A Clustering Method for Identifying Ozone Episodes with Similar Meteorological Conditions: Application to Model Evaluation and Trend Analysis in the South Coast (Los Angeles) Air Basin

Author(s): TE Stoeckenius, J Cohen, G Yarwood

Annual Conference: 1995, Vol. 3B

Paper ID: 95-FA113C.01

Assessing the Usefulness of VOC Data as Indicators of Change in Fuel Composition in the South Coast Air Basin (California)

Author(s): HH Main, PT Roberts, MP Ligocki

Annual Conference: 1995, Vol. 3B

Paper ID: 95-FA113C.02

Receptor Model Evaluation of the SEMOS Ambient NMOC Measurements

Author(s): PA Scheff, RA Wadden, DM Kenski

Annual Conference: 1995, Vol. 3B

Paper ID: 95-FA113C.03

Visualizing Ambient Ozone and its Precursors

Author(s): KB Ensor, DD Cox, AM Gonzalez

Annual Conference: 1995, Vol. 3B

Paper ID: 95-FA113C.04

An Empirical Method for Prediction of Ambient Ozone Levels

Author(s): DD Cox, KB Ensor Annual Conference: 1995, Vol. 3B

Paper ID: 95-FA113C.05

Representative Ozone Monitoring Issues: A Phenomenological Evaluation of Monitoring Sites in Maryland

Author(s): S Campbell, A Adams Annual Conference: 1995, Vol. 3B

Paper ID: 95-FA113C.06

Facility Data Management and Emission Estimation Software

Author(s): KJ Hickey, J Gresko Annual Conference: 1995, Vol. 10

Paper ID: 95-FA140A.05

Development of an Automated Fugitive Emissions Monitoring System for a SOCMI Facility Subject to the HON

Author(s): K Benson, TL Schawitsch Annual Conference: 1995, Vol. 10

Paper ID: 95-FA140B.02

On the Accuracies of Statistical Methods for Predicting Maximal Concentrations of Ozone

Author(s): D Dorsett, P Rhodes, P Odell Annual Conference: 1995, Vol. 10

Paper ID: 95-FA140B.03

Study on the Mass Balance of Lead in Urban Taipei

Author(s): CT Chang, KL Lin Annual Conference: 1995, Vol. 10

Paper ID: 95-FA140B.04

Environmental Compliance Management System

Author(s): A Carson, L Larrinaga Annual Conference: 1995, Vol. 3B

Paper ID: 95-FA152.01

A Graphic User Interface Connecting Air Dispersion Models with Geographic Information System (GIS) for Regulatory Analysis

Author(s): MA Stewart, TG Grosch Annual Conference: 1995, Vol. 3B

Paper ID: 95-FA152.02

Using a Spatially Plotted Ozone Tracking System (SPOTS) to Develop Descriptive Models for Selected Ozone Episodes in Southeast Michigan

Author(s): TD Monosmith, MA Heindorf, GT Wolff

Annual Conference: 1995, Vol. 3B

Paper ID: 95-FA152.03

Management of Meteorological Data at a Former Nuclear Weapon Facility

Author(s): CL Dickerman, DR Maxwell Annual Conference: 1995, Vol. 3B

Paper ID: 95-FA152.04

Test Methods for Measuring Bakery Oven Emissions and Control Device Destruction Efficiency

Author(s): JC Serne

Annual Conference: 1995, Vol. 4B

Paper ID: 95-FA153.01

Clarification on Sampling Methods and on the Definition of VOC's as Related to Heavy Organics in Source Emissions

Author(s): PJ Clark, LF Owens, F Smith Annual Conference: 1995, Vol. 4B

Paper ID: 95-FA153.02

Determination of VOC Capture Efficiency by Carbon Mass Balance

Author(s): CA Smith, RJ Trzupek Annual Conference: 1995, Vol. 4B

Paper ID: 95-FA153.05

The Federal Implementation Plan for Southern California-Impacts to the Petroleum Industry and Related Activities

Author(s): MD Wang

Annual Conference: 1995, Vol. 5

Paper ID: 95-FA154.01

Will the California Federal Implementations Plan (FIP) Set an Emission Mitigation Precedent in Conformity Determinations?

Author(s): H Segal

Annual Conference: 1995, Vol. 5

Paper ID: 95-FA154.02

Evaluation of Heavy Duty Diesel Emissions Modeling in the California FIP

Author(s): MJ St. Denis, H Rous Annual Conference: 1995, Vol. 5

Paper ID: 95FA154.03

Commercial Aviation Under the FIP: Challenges in Defining an Emission Inventory

Author(s): A Shapira, J Kiani, DC Trueblood

Annual Conference: 1995, Vol. 5

Paper ID: 95-FA154.04

Development of an Alternative Ozone Attainment Plan for the Los Angeles Region for Use in the 1994 State Implementation Plan

Author(s): C O'Donnell, RE Morris, DF Shearer

Annual Conference: 1995, Vol. 5

Paper ID: 95-FA154.05

Alternative VOC RACT for a Wood Products Plant in a Response to Title 1 of the Clean Air Act and the California FIP

Author(s): DR Guido, J Koehler Annual Conference: 1995, Vol. 5

Paper ID: 95-FA154.06

Responding to the FIP Through the SIP Revision Process in the South Coast Air Basin

Author(s): BR Wallerstein, J Broadbent, H Hogo

Annual Conference: 1995, Vol. 5

Paper ID: 95-FA154.07

Destruction of Navy Hazardous Wastes by Supercritical Water Oxidation

Author(s): RE Kirts

Annual Conference: 1995, Vol. 9

Paper ID: 95-FA155.01

Incorporating Pollution Prevention into U.S. Department of Energy Design Projects Case Study Results and Participant Feedback

Author(s): JA Dorsey, EA Raney, FL Greitzer

Annual Conference: 1995, Vol. 9

Paper ID: 95-FA155.02

100% Solid Adhesives Technologies for Defense Department Manufacturing Facilities

Author(s): MJ Oliva

Annual Conference: 1995, Vol. 9

Paper ID: 95-FA155.03

An Alternative Process for Detoxification and Recycling of Aluminum Cell Cathode Wastes

Author(s): JK Neathery, JL Schaefer, JM Stencel

Annual Conference: 1995, Vol. 12

Paper ID: 95-FA157.01

Innovation-The Key to Continual Environmental Improvement

Author(s): MP Sudbury, RE Michelutti, ME Wiseman

Annual Conference: 1995, Vol. 12

Paper ID: 95-FA157.02

Hydrogen Fluoride Emissions and Control in Brick Manufacturing

Author(s): D Zhou, PH Unrath, RT DeCesar

Annual Conference: 1995, Vol. 12

Paper ID: 95-FA157.03

Benzo (a) Pyrene Concentrations in Ambient Air in the Area Surrounding the Horizontal Stud Soderberg Primary Aluminum Smelter at Shawingan, Quebec and the Determination of the Background Level (1985-1993)

Author(s): R Violette, M Barber, JR Berman

Annual Conference: 1995, Vol. 12

Paper ID: 95-FA157.04

Development of the ISO 14012 Standard on Environmental Auditor Qualifications, a U.S. Perspective

Author(s): DP Schomer, CS Cooley Annual Conference: 1995, Vol. 13B

Paper ID: 95-FA159.01

Is There National Certification for Environmental Auditors in Our Future?

Author(s): DP Schomer

Annual Conference: 1995, Vol. 13B

Paper ID: 95-FA159.02

Issues Pertinent to the Appropriate Use of Licensing and Certification in the Environmental Field

Author(s): AE Schwartz

Annual Conference: 1995, Vol. 13B

Paper ID: 95-FA159.03

Parametric Monitoring of Pollution Control Equipment for Non-Continuous, Flexible Manufacturing

Author(s): RT Bills, JT Rae

Annual Conference: 1995, Vol. 13B

Paper ID: 95-FA160.01

Compliance Demonstrations for Title V Progress-Parametric Monitoring Options and Requirements

Author(s): ML Meech

Annual Conference: 1995, Vol. 13B

Paper ID: 95-FA160.02

Use of Parametric Monitoring for Title V Compliance Demonstrations

Author(s): DN Hommrich, N Rosen Annual Conference: 1995, Vol. 13B

Paper ID: 95-FA160.03

A Process for Developing and Evaluating Predictive and Demonstrated Compliance Parameter Level Protocols for EPA's Enhanced Monitoring Rule

Author(s): D Bivins, T Harrison, F Curtis Annual Conference: 1995, Vol. 13B

Paper ID: 95-FA160.04

Critical Components of Effective Emissions Trading Programs

Author(s): JD Margolis, RS Langdon Annual Conference: 1995, Vol. 13B

Paper ID: 95-FA161.02

Mobile Source Economic Incentives and Innovation: A Case Study

Author(s): DA Drake, HL Foster Annual Conference: 1995, Vol. 13B

Paper ID: 95-FA161.03

The Status and Future of Economic Incentive Program: The Politics of the Acid Rain Emissions Trading Program

Author(s): EP Weber

Annual Conference: 1995, Vol. 13B

Paper ID: 95-FA161.04

Integrating Closure, Corrective Action and CERCLA Requirements-A Case History

Author(s): TD Robertson

Annual Conference: 1995, Vol. 14

Paper ID: 95-FA162.01

Method for Defining Closure Unit Boundaries in Pre-RCRA Waste Management Areas

Author(s): JM Ellis, SK McCready Annual Conference: 1995, Vol. 14

Paper ID: 95-FA162.02

Utilization of Risk Based Clean Closure Standards at a RCRA Hazardous Waste Surface Impoundment Closure at Air Force Plant 44, Tucson, Arizona

Author(s): JH Stallings

Annual Conference: 1995, Vol. 14

Paper ID: 95-FA162.03

CERCLA and RCRA Requirements Affecting Cleanup of a Hazardous Waste Management Unit at a Superfund Site: A Case Study

Author(s): TJ Walsh

Annual Conference: 1995, Vol. 14

Paper ID: 95-FA162.04

Impacts of Superfund Reauthorization on Army Cleanup and Property Transfer

Author(s): JS DeVeaux

Annual Conference: 1995, Vol. 14

Paper ID: 95-FA162.05

Slurry Bioremediation of Coal Tar Contaminated Soil

Author(s): H Melcer, CE Aziz, J Anderson

Annual Conference: 1995, Vol. 14

Paper ID: 95-FA163.01

Biological Solid Phase Treatment of Vinyl Acetate Contaminated Soil: An Emergency Response Action

Author(s): PE Flathman, BJ Krupp, JR Trausch

Annual Conference: 1995, Vol. 14

Paper ID: 95-FA163.02

Sampling and Analysis Problems Encountered with the Evaluation of Remediation Technologies

Author(s): RF Lewis, M Dasani Annual Conference: 1995, Vol. 14

Paper ID: 95-FA163.03

Fungal Treatment of Wood Treating Waste Missing Elements of the Technology

Author(s): JA Glaser

Annual Conference: 1995, Vol. 14

Paper ID: 95-FA163.04

A Demonstration of Enhanced Bioremediation of Chlorinated Solvent and Diesel contaminated Soils at Fort Gillem, Georgia

Author(s): MA Peterson, SS Huisman, RJ Jardine

Annual Conference: 1995, Vol. 14

Paper ID: 95-FA163.05

Measurement Strategy for Source Appointment and Community Risk Assessment for a POTW

Author(s): MR Kienbusch, M Distler Annual Conference: 1995, Vol. 14

Paper ID: 95-FA164.02

Comparison of mass Transfer Models with Direct Measurement for Free Liquid Surfaces at Wastewater Treatment Facilities

Author(s): TR Card

Annual Conference: 1995, Vol. 14

Paper ID: 95-FA164.03

A Weight of Evidence Approach to Assessing Human Health Risks Associated with Municipal Waste Water Treatment Plants

Author(s): GL Diamond, JT Colman, DA Gray

Annual Conference: 1995, Vol. 14

Paper ID: 95-FA164.04

Blue Chips: Taking Stock in Our Future

Author(s): AA Pope, DK Fillo Annual Conference: 1995, Vol. 7

Paper ID: 95-FA166.01

environmental Awareness Study11-Development of Questionnaire and the Results of Pilot Studies

Author(s): DJ Jahng, Y Yanagisawa, S Honda

Annual Conference: 1995, Vol. 7

Paper ID: 95-FA166.02

International Cooperative Agreements for Environmental Education Projects-A Case Study

Author(s): EJ LaMona, WR Lea Annual Conference: 1995, Vol. 7

Paper ID: 95-FA166.03

Environmental Equity: A Curriculum Unit for the Elementary Class

Author(s): FR Jackson, DT Williams Annual Conference: 1995, Vol. 7 Paper ID: 95-FA166.04

Development of a Graduate Course Linking Transportation and Air Quality

Author(s): JS Millr, SC Brich, MJ Demetsky

Annual Conference: 1995, Vol. 7

Paper ID: 95-FA166.05

"Spare the Air" A Voluntary Program to Reduce Emissions on High Ozone Days

Author(s): TG Lee

Annual Conference: 1995, Vol. 7

Paper ID: 95-FA166.06

Designing/Developing Technical Training One State's Experience with Title V of the Clean Air Act

Author(s): JA Lee, HCW Peterson Annual Conference: 1995, Vol. 7

Paper ID: 95-FA166.07

Title V Emission Inventory: Estimating Potential and Actual Emissions from Metal Working Sources

Author(s): M J Bhatte, K Doshi Annual Conference: 1995, Vol. 1A

Paper ID: 95-MP1.01

Emissions Characterization from Non-Traditional Sources Common at Federal Facilities

Author(s): W B Jones, T L Schawitsch Annual Conference: 1995, Vol. 1A

Paper ID: 95-MP1.02

Ethylene Glycol Emissions from Aircraft De-Icing Operations

Author(s): D Pelton

Annual Conference: 1995, Vol. 1A

Paper ID: 95-MP1.03

Emission Estimation from Spray Painting Operation

Author(s): S Dasgupta, M F Trapani Annual Conference: 1995, Vol. 1A

Paper ID: 95-MP1.04

Factors Contributing to California Electric Vehicles Being Zero Emitting and Nationwide Implications

Author(s): JT Holcombe Annual Conference: 1995, Vol. 5

Paper ID: 95-MP10.01

Potential Air Quality Impact of Electric Vehicles in a Southeastern U.S. Urban Area

Author(s): RT Burns, WT Davis, TL Miller

Annual Conference: 1995, Vol. 5

Paper ID: 95-MP10.02

Electric Vehicles: Their Economic and Administrative Status

Author(s): M Rusin

Annual Conference: 1995, Vol. 5

Paper ID: 95-MP10.03

California Clean Cars: Turning Obstacles into Market Opportunities

Author(s): MJ Gage, BV Amburg, P Heiliker

Annual Conference: 1995, Vol. 5

Paper ID: 95-MP10.04

Prospects for Electric Vehicles in Texas

Author(s): WC Young, HC McKee Annual Conference: 1995, Vol. 5

Paper ID: 95-MP10.05

Measuring the Full Fuel Cycle Emissions Impact of Alternative Fuel Vehicles

Author(s): KG Darrow, RK Weatherwax

Annual Conference: 1995, Vol. 5

Paper ID: 95-MP10.06

Integrated Fuel-Fired Heating Systems to Reduce Emissions and Increase Efficiency

Author(s): ACS Hayden, E Entcher Annual Conference: 1995, Vol. 5

Paper ID: 95-MP11.01

Using Canadian Advanced Earth Energy Heat Pumps to Provide Environmentally Sustainable Building Energy

Author(s): CSI McNeil, TK Crawford, B Eggertson

Annual Conference: 1995, Vol. 5

Paper ID: 95-MP11.02

Energy and Resource Efficient Housing Rehab

Author(s): M Davlin, P Knight Annual Conference: 1995, Vol. 5

Paper ID: 95-MP11.03

The Saskatchewan Advanced House-Energy Efficiency and Environmental Responsibility in a Cold Climate House

Author(s): RS Dumont, LJ Snodgrass Annual Conference: 1995, Vol. 5

Paper ID: 95-MP11.04

IDEAS Challenge: Moving Industry Forward

Author(s): SJ Marshall, J Rousseau, R Sinha

Annual Conference: 1995, Vol. 5

Paper ID: 95-MP11.06

A Simplified Approach for Builders to Predict Indoor Air Quality in New Houses

Author(s): T Mayo, T Hamlin Annual Conference: 1995, Vol. 5

Paper ID: 95-MP11.07

Techniques for Controlling Fugitive Emissions Generated on Cultivated Land by the Wind

Author(s): JD Bilbrao, DW Fryrear Annual Conference: 1995, Vol. 5

Paper ID: 95-MP12.01

Use of Inorganic and Organic Wastes in Agriculture to Reduce Runoff

Author(s): JH Edwards, LD Norton, RH Wlaker

Annual Conference: 1995, Vol. 5

Paper ID: 95-MP12.02

Simultaneous Wind Erosion and PM10 Fluxes from Agricultural Lands on the Columbia Plateau

Author(s): Id Stetler, KE Saxton Annual Conference: 1995, Vol. 5

Paper ID: 95-MP12.03

Stabilizing Fugitive Dust Emissions in the Antelope Valley from Abandoned Farmlands and Overgrazing

Author(s): DA Grantz, DL Vaugh, R Farber

Annual Conference: 1995, Vol. 5

Paper ID: 95-MP12.04

Oil Suppression of PM Emissions at Grain Handling Facilities

Author(s): GE Muleski, G Garman Annual Conference: 1995, Vol. 5

Paper ID: 95-MP12.05

Role of Pollution Prevention Measures in Emissions Averaging to Meet the Emissions Standards in HON

Author(s): S Saraf, RL Berglund Annual Conference: 1995, Vol. 9

Paper ID: 95-MP13.01

Hazardous Waste Minimization in the California Metal Plating Industry

Author(s): LD Duke, J Parikh Annual Conference: 1995, Vol. 9

Paper ID: 95-MP13.02

San Jose's Common Sense Approach to a Clean Environment: The Clean Bay Strategy

Author(s): DW Tucker, ED Ryan, D Bruinsma

Annual Conference: 1995, Vol. 9

Paper ID: 95-MP13.03

Risk Communications: The Risk Management Rule (Clean Air Act)

Author(s): S Chaloux

Annual Conference: 1995, Vol. 9

Paper ID: 95-MP13.04

Development and Implementation of a Pilot Pollution Prevention Program for Electric Utilities

Author(s): ML Johnson, J Bentley Annual Conference: 1995, Vol. 9

Paper ID: 95-MP14.01

Pollution Prevention: An Opportunity to Make the Product Better

Author(s): RM Stebbins

Annual Conference: 1995, Vol. 9

Paper ID: 95-MP14.02

Predictive Emission Monitoring System (PEMS): The Established NOx Monitoring System for Industrial Gas Turbines

Author(s): WSY Hung

Annual Conference: 1995, Vol. 10

Paper ID: 95-MP16A.01

Continuous Emissions Monitoring Data Base for Air Toxics

Author(s): RL Nicholson, JL Conder, VVM Harris

Annual Conference: 1995, Vol. 10

Paper ID: 95-MP16A.02

New Continuous Emission Monitoring Using Catalytic Sensor Technology

Author(s): PF Schubrt, DR Sheridan, A Banchieri

Annual Conference: 1995, Vol. 10

Paper ID: 95-MP16A.03

A Centralized Approach to Clean Air Act Data Management

Author(s): SS Kulpa, GR Cline Annual Conference: 1995, Vol. 10

Paper ID: 95-MP16A.04

Comparison of NOx Emission Rates Estimated by 40 CFR Part 75 Appendix E Procedures and Parametric Emission Models with Reference Method CEM Measurements

Author(s): CA Clapsaddle

Annual Conference: 1995, Vol. 10

Paper ID: 95-MP16A.05

Results of a Survey of Natural Gas Transmission Companies Operating Continuous Emission Monitoring Systems

Author(s): DC Sanders, CA Clapsaddle Annual Conference: 1995, Vol. 10

Paper ID: 95-MP16A.06

Field Portable GC/MS of VOCs at Up to 1,000 Samples Per Hour

Author(s): HLC Meuzelaar, WH McClennen, JP Dworzanski

Annual Conference: 1995, Vol. 10

Paper ID: 95-MP17.01

Ambient Air Sampling and GC/MS Analysis of Air Toxics at Sub-Part-Per-Billion-By-Volume Using Charcoal Tubes and Fused Silica Capillary Column

 ${\sf Author}(s){:}\ A\ LoSurdo,\ J\ Syslo,\ R\ Singhvi$

Annual Conference: 1995, Vol. 10

Paper ID: 95-MP17.02

Measurement of Particle Volume Concentrations with a New CEM for Particulate Emission

Author(s): TV Giel, JR Douglas, MP Bonin

Annual Conference: 1995, Vol. 10

Paper ID: 95-MP17.03

Monitoring for Hydrogen Chloride in Ambient Air

Author(s): MH Lindsay, RJ Gravely, MD Boedigheimer

Annual Conference: 1995, Vol. 10

Paper ID: 95-MP17.04

Field Application of Annuar Denuder Tubes for Formaldehyde Measurements in Ambient Air

Author(s): SC Mauch, RK Mitchum, RL Ditra

Annual Conference: 1995, Vol. 10

Paper ID: 95-MP17.05

Review of Carbon Monoxide Saturation Studies

Author(s): RE Moran, MA Grelinger, CL Green

Annual Conference: 1995, Vol. 10

Paper ID: 95-MP17.06

Measurements of Hazardous PAHs in Ambient Air Using SFE/LC/MS

Author(s): NS Karellas, AC Ng, CB Dubrou

Annual Conference: 1995, Vol. 10

Paper ID: 95-MP17.07

The Relationship Between Personal Exposures and Ambient Concentrations of Particulate Matter

Author(s): DT Mage, TJ Buckley Annual Conference: 1995, Vol. 11

Paper ID: 95-MP18.01

A Critical Review of PM10-Mortality Time Series Studies

Author(s): GD Thurston

Annual Conference: 1995, Vol. 11

Paper ID: 95-MP18.02

Particulate Air Pollution and Increased Mortality: Biological Plausibility for Casual Relationship?

Author(s): RF Henderson

Annual Conference: 1995, Vol. 11

Paper ID: 95-MP18.03

Implications of Emerging Scientific Ozone Data on Regulatory Decisions

Author(s): JJ Vostal, JC Ball, J Heuss Annual Conference: 1995, Vol. 11

Paper ID: 95-MP19.01

The Association of Environmental Ozone with Hospitalization for Asthma Among 5-34 Year Olds in Chicago, 1987-1989

Author(s): PV Targonski, PA Scheff, H Stokes

Annual Conference: 1995, Vol. 11

Paper ID: 95-MP19.02

Air Pollution and Mortality: Issues and Uncertainties

Author(s): FW Lippert, RE Wyzga Annual Conference: 1995, Vol. 11

Paper ID: 95-MP19.03

Assessments of Acute Ambient Ozone Exposures with Hospital Admissions for Respiratory Causes

Author(s): GD Thurston

Annual Conference: 1995, Vol. 11

Paper ID: 95-MP19.04

Conflicts Among Section 112 Requirements of the Clean Air

Author(s): R M Everhart

Annual Conference: 1995, Vol. 1A

Paper ID: 95-MP2.01

EPA Chrome Plating MACT Adds Another Layer to the Already Shining California Chrome Control Program

Author(s): R E Frazier

Annual Conference: 1995, Vol. 1A

Paper ID: 95-MP2.02

Benefits and Pitfalls of the HON Emissions Averaging **Provisions**

Author(s): T J Prince

Annual Conference: 1995, Vol. 1A

Paper ID: 95-MP2.03

Comprehensive TAP Emission Program in Louisiana

Author(s): B Kura, R Lea, P Kaster Annual Conference: 1995, Vol. 1A

Paper ID: 95-MP2.04

Options for Complying with the Aerospace MACT Standard for Depainting

Author(s): J P Bauer, E N Ruddy Annual Conference: 1995, Vol. 1A

Paper ID: 95-MP2.05

A Dual Array Field Exposure System for Evaluating the Effects of Elevated Levels of Atmospheric Trace Gases on Cultivated or Native Herbs and Shrubs

Author(s): CF Reece, DK Adair, SV Krupa

Annual Conference: 1995, Vol. 11

Paper ID: 95-MP20.01

Variability in the Intraspecific Response of Pinus Ponderosa Seedling Subjected to Long-Term Exposure to Elevated CO₂

Author(s): JLJ Houpis, JC Pushnik, DJ Anschel

Annual Conference: 1995, Vol. 11

Paper ID: 95-MP20.02

Effects of Ozone on Hydraulic Properties of Pima Cotton

Author(s): DA Grantz, S Yang Annual Conference: 1995, Vol. 11

Paper ID: 95-MP20.03

Ozone Concentrations in Forested Areas of the Brdy and Sumava Mountains

Author(s): A Bytnrowicz, R Glaubig, M Cerny

Annual Conference: 1995, Vol. 11

Paper ID: 95-MP20.04

The Influence of Ozone on Fusiform Rust Disease Progression in Loblolly Pine

Author(s): DM Niedosik, RB Flagler Annual Conference: 1995, Vol. 11

Paper ID: 95-MP20.05

Utility Industry Wide Risk Assessment of Trace Substances: Results

Author(s): L Levin, D Cohan, L Gratt Annual Conference: 1995, Vol. 12

Paper ID: 95-MP21.01

The Role of Instrumental Neutron Activation In Environmental Mercury Analysis

Author(s): I Olmez, X Huang, MR Ames Annual Conference: 1995, Vol. 12

Paper ID: 95-MP21.02

Assessment of Utility Origin Mercury Exposure and Risk

Author(s): L Levin, C Seigneur, E Constantinou

Annual Conference: 1995, Vol. 12

Paper ID: 95-MP21.03

Observations in bench Scale Study of Sorbent Screening for Elemental Mercury and Mercury (11) Chloride

Author(s): GL Schelkoph, SJ Miller, DL Laudal

Annual Conference: 1995, Vol. 12

Paper ID: 95-MP21.04

New Chemical Microsensors and Implications for Continuous Mercury Emissions Monitoring

Author(s): I Sorensen, Q Bao, WS Glaunsinger

Annual Conference: 1995, Vol. 12

Paper ID: 95-MP21.05

Structure, Content and Use of the PISCES Database

Author(s): RG Wetherold, DA Orr, CE Riese

Annual Conference: 1995, Vol. 12

Paper ID: 95-MP21.06

Development of Mercury Control Techniques for Utility **Boilers**

Author(s): CD Livengood, MH Mendelsojn, HS Huang

Annual Conference: 1995, Vol. 12

Paper ID: 95-MP21.07

Distribution of Mercury in Electric Utility Power Plants

Author(s): P Chu, D Porcella Annual Conference: 1995, Vol. 12

Paper ID: 95-MP21.08

Autoclave Meltout of Cast Explosives

Author(s): BC McCall

Annual Conference: 1995, Vol. 12

Paper ID: 95-MP22A.01

Explosive-Contaminated Detonation Ground Soils and Metal; Absence of Reactivity under RCRA Hazardous Waste Regulations

Author(s): JL Bishop

Annual Conference: 1995, Vol. 12

Paper ID: 95-MP22A.02

Raman Spectroscopic Non-Intrusive Identification of Muniotion Ingredients in Glass Application to a Rapid Response System

Author(s): JP Bishop

Annual Conference: 1995, Vol. 12

Paper ID: 95-MP22A.03

RCRA Trial Tests, Tooel Army Depot Deactivation Furnace, 9-31 August 1993

Author(s): JR Millr, RG Anderson Annual Conference: 1995, Vol. 12

Paper ID: 95-MP22A.04

Atmospheric Dispersion Model Development for Open Burn/Open Detonation Emissions

Author(s): JC Weit, B Templeman, P Banta

Annual Conference: 1995, Vol. 12

Paper ID: 95-MP22A.05

An Overview of Explosives Contamination at DoD Facilities: An Analysis Perspective

Author(s): TF Jenkins, ME Walsh Annual Conference: 1995, Vol. 12

Paper ID: 95-MP22A.06

Environmental Issues Associated with Munitions Disposal

Author(s): NM Pomerleau, DN Gower, KG Reading

Annual Conference: 1995, Vol. 12

Paper ID: 95-MP22A.07

RCRA Reactivity Definition for Energic Wastes Treated by Open Burning at Picatinny Arsenal, New Jersey

Author(s): JL Fleming, A Pastuck Annual Conference: 1995, Vol. 13A

Paper ID: 95-MP23.01

The Environmental Acceptability of Open Burn/Open Detonation

Author(s): TJ Tope, KR Donnell, MD Dandeneau

Annual Conference: 1995, Vol. 13A

Paper ID: 95-MP23.02

Screening Air Pathway Assessments for RCRA Subpart X Permitting

Author(s): RR Stoner, JS Kirkpatrick, JS Tsou

Annual Conference: 1995, Vol. 13A

Paper ID: 95-MP23.03

Permitting Requirements for Noise Mitigation from Large Scale Open Detonations

Author(s): DJ Crow, LS Hill Annual Conference: 1995, Vol. 13A

Paper ID: 95-MP23.04

Development and Use of Critical Source Release Parameters for Air Dispersion Modeling of Open Burning and Open Detonation Treatment Units

Author(s): JH Lucas, JR Bently Annual Conference: 1995, Vol. 13A

Paper ID: 95-MP23.05

Estimating Natural Resource Damages With and Without Contingent Valuation

Author(s): DL McFadden, KT Wise, S Guthrie

Annual Conference: 1995, Vol. 13A

Paper ID: 95-MP24.01

Measuring Property Value Impacts of Hazardous Waste Sites

Author(s): KT Wise , JP Pfeifenberger Annual Conference: 1995, Vol. 13A

Paper ID: 95-MP24.02

Strategic Analysis of Environmental Litigation

Author(s): GS Koch, C Lapuerta Annual Conference: 1995, Vol. 13A

Paper ID: 95-MP24.03

BEN & ABEL: Understanding and Challenging Economic Benefits in Non-Compliance Penalties

Author(s): MA Maniartis, GS KoCH Annual Conference: 1995, Vol. 13A

Paper ID: 95-MP24.04

SECALs-A New Approach to OSHA Standard Setting

Author(s): EH Seeger

Annual Conference: 1995, Vol. 13A

Paper ID: 95-MP24.05

Multiple Party Allocations-Lessons Learned and Practical Tips

Author(s): JK Will

Annual Conference: 1995, Vol. 13A

Paper ID: 95-MP24.06

Options for Improving Hazardous Waste Cleanups Using Risk-Based Criteria

Author(s): D Elcock

Annual Conference: 1995, Vol. 14

Paper ID: 95-MP26.01

The Use of Risk Assessment to Determine the Effectiveness of Corrective Action Alternatives for Closure of a Petroleum Refinery Surface Impoundment

Author(s): CR Stewart, KM Kerr Annual Conference: 1995, Vol. 14

Paper ID: 95-MP26.02

Solidification of Hazardous Waste Styrene Sludge A Treatability Study

Author(s): SS Kishnani

Annual Conference: 1995, Vol. 15

Paper ID: 95-MP27.02

Application of the Comprehensive Test System for Geomembrane Liners

Author(s): RI Stressel

Annual Conference: 1995, Vol. 15

Paper ID: 95-MP27.03

Bench-Scale Demonstration of Treatment of Mixed Waste Sediments by Thermal Desorption

Author(s): DW Grosse, MI Morris, SE Shealy

Annual Conference: 1995, Vol. 15

Paper ID: 95-MP27.04

The Siting and Design of a Regional Integrated Solid Waste Facility

Author(s): RA Nicol, LM Kitchen Annual Conference: 1995, Vol. 16

Paper ID: 95-MP28A.01

The Effects of Changing Waste Composition on Integrated Solid Waste Management Practices

Author(s): MA Franklin

Annual Conference: 1995, Vol. 16

Paper ID: 95-MP28A.02

Accurate Estimation of Municipal Solid Waste Composition and Waste Generation Rates Using the Shift-Share Technique

Author(s): WR Lea, R Kowalewski Annual Conference: 1995, Vol. 16

Paper ID: 95-MP28A.03

A Discussion of Air Permitting Issues for Landfill Gas-to-Energy Projects

Author(s): PJ Smith, JB Birdsall, P Delamater

Annual Conference: 1995, Vol. 16

Paper ID: 95-MP28A.04

Greenhouse Gas Offsets: An Opportunity for Composting

Author(s): P Toms, J Leskiw, P Hettaratchi

Annual Conference: 1995, Vol. 16

Paper ID: 95-MP28A.05

Case Studies: Selection of High Efficiency VOC Removal Technologies for Process Air Stream

Author(s): G Hounsell

Annual Conference: 1995, Vol. 1A

Paper ID: 95-MP3.01

The Evaluation and Selection of Volatile Organic

Compound Control Equipment Systems

Author(s): J Z Marcus, M J Gaeta, K Sharp

Annual Conference: 1995, Vol. 1A

Paper ID: 95-MP3.03

Employment of Thermal and Catalytic Oxidation

Technologies for the Control of Hazardous Air Pollutants in the Surface Coating Industry- A Practical Case Study

Author(s): R F Kane

Annual Conference: 1995, Vol. 1A

Paper ID: 95-MP3.04

Understanding and Controlling the Indoor Concentration of Sub-Micron Particle at a Commercial Building in Southern California

Author(s): CJ Weschler, HC Shields, B Shah

Annual Conference: 1995, Vol. 3A

Paper ID: 95-MP4.01

Movement of Outdoor Particles to the Indoor environment: An a Analysis of the Amhem Lead Study

Author(s): DW Layton, TL Thatcher Annual Conference: 1995, Vol. 3A

Paper ID: 95-MP4.02

Modeling the Time Series of Respirable Suspended Particles and Carbon Monoxide from Multiple Smokers: Validation in Two Public Smoking Lounges

Author(s): NE Klepeis, WR Ott, P Switzer

Annual Conference: 1995, Vol. 3A

Paper ID: 95-MP4.03

Modeling PM10 Emissions from Coke Ovens for Allegheny County's PM10 State Implementation Plan

Author(s): CJ Weaver, DA Sullivan Annual Conference: 1995, Vol. 3A

Paper ID: 95-MP6.01

Difference between CTDMPLUS and ISC2 Interpretation of a Common Meteorological Database

Author(s): D Holland, R Karpovich, J Barone

Annual Conference: 1995, Vol. 3A

Paper ID: 95-MP6.02

Comparison of Vertical wind Speed Standard Deviations Derived from Propeller Anemometer Acoustic Sounder and Sonic Anemometer Measurements

Author(s): AF Ferullo

Annual Conference: 1995, Vol. 3A

Paper ID: 95-MP6.03

Use of Wind Tunnel Modeling to Evaluation Stable Plume Impact

Author(s): RL Petersen, DL Spellman, AL Carlson

Annual Conference: 1995, Vol. 3A

Paper ID: 95-MP6.04

Modeling Coke Oven Fugitives in Complex Terrain

Author(s): J Graham

Annual Conference: 1995, Vol. 3A

Paper ID: 95-MP6.05

Monitoring of Halocarbon Tracers of Opportunity at Barstow, California

Author(s): RE Keislar, DE Schorran Annual Conference: 1995, Vol. 3A

Paper ID: 95-MP6.06

Analysis of Radionuclide Emissions from Coal-fired Power Plants A Case Study

Author(s): KA Harvey, LM Militana, CP Steiner

Annual Conference: 1995, Vol. 4A

Paper ID: 95-MP7.01

Performance Model of the Externally-fired Combined Cycle (EFFCC) System

Author(s): P Agarwal, HC Frey Annual Conference: 1995, Vol. 4A

Paper ID: 95-MP7.02

Evaluation of Mercury Speciation by EPA (Draft) Method 29

Author(s): DL Laudal, SJ Miller, MK Heidt

Annual Conference: 1995, Vol. 4A

Paper ID: 95-MP7.03

The Impact of the 1990 Clean Air Act Amendments on the Maryland Coal Industry

Author(s): JS Seinfeld, R Jansto, J Stone, Jr.

Annual Conference: 1995, Vol. 4A

Paper ID: 95-MP7.04

Innovative Gasification Technology for Future Power Generation

Author(s): RS Sadowski, K Mahajan, L Shadle

Annual Conference: 1995, Vol. 4A

Paper ID: 95-MP7.05

A Mathematic Model for Flue Gas Conditioning by Ammonia and Sulfur Trioxide

Author(s): CL Chanf, H Bai, C Lu Annual Conference: 1995, Vol. 4A

Paper ID: 95-MP7.06

Permanent Total Enclosures for Capturing Fugitive Air Fugitive Air Emissions

Author(s): A Oiestad, G Gans Annual Conference: 1995, Vol. 4A

Paper ID: 95-MP8.01

Challenges and Experience with the Application of Total Enclosure to a Waste Fuel Bending Facility

Author(s): TK Turner

Annual Conference: 1995, Vol. 4A

Paper ID: 95-MP8.03

Design of Permanent Total Enclosures (PTEs) for Control of Fugitive Emissions from an Electromagnetic Wire Coating Operation

Author(s): AR Mortazavi, M zolghadr, MB Shaw

Annual Conference: 1995, Vol. 4A

Paper ID: 95-MP8.05

Alternative to Temporary Total Enclosure Capture Efficiency Testing

Author(s): GP Verret, RG Vatistas, DM D'Onofrio

Annual Conference: 1995, Vol. 4A

Paper ID: 95-MP8.06

U.S. EPA's New Guidance on Capture Efficiency Testing

Author(s): SW Edgerton, C Sorrell, JC Berry

Annual Conference: 1995, Vol. 4A

Paper ID: 95-MP8.08

A Status Overview of Biological Air Pollution Control

Author(s): G Leson, S Dharmavaram Annual Conference: 1995, Vol. 4A

Paper ID: 95-MP9A.01

Biofiltration for the Control of Odorous and Volatile Organic Compound Emissions in Municipal and Industrial Applications

Author(s): TO Williams, RA Boyette Annual Conference: 1995, Vol. 4A

Paper ID: 95-MP9A.02

Biofilter Application with High Concentrations of Hydrogen Sulfide in a Waste Water Treatment Plant and an Oil Mill

Author(s): SA Knauf

Annual Conference: 1995, Vol. 4A

Paper ID: 95-MP9A.03

Experiences with a Full-Scale Biofilter for Control of Ethanol Emissions

Author(s): G Leson, R Chavira, A Winer Annual Conference: 1995, Vol. 4A

Paper ID: 95-MP9A.04

Control of Paint Solvent Emissions from a Tankcar Lining Operation Through the Use of a Microbial Air Scrubber

Author(s): S Ramsey, G McDermott Annual Conference: 1995, Vol. 4A

Paper ID: 95-MP9A.05

Biological Elimination of Odoriferous Pollutants and Solvents in Waste Gas with the Biotrickling Filter

Author(s): J Loy

Annual Conference: 1995, Vol. 4A

Paper ID: 95-MP9A.06

Three Case Studies of Biofiltration for the Removal of BTEX Compounds, H2S, and Organic Reduced Sulfur Compounds

Author(s): B Singleton, W Kant Annual Conference: 1995, Vol. 4A

Paper ID: 95-MP9A.07

Biologic Filtration, a Removal Method of Foundry's Waste

Author(s): H Pand, F Sabo

Annual Conference: 1995, Vol. 4A

Paper ID: 95-MP9A.08

Cumulative Exposures to Air Toxics Emission Inventories for Mobile and Stationary Sources

Author(s): M P Ligocki, L Gardner, H H Tuggal

Annual Conference: 1995, Vol. 1B

Paper ID: 95-RA110.01

The Evidence for a No-Effect Level (Threshold) in Diesel Particle Lung Carcinogenicity A Case for a Unique Non-Genotoxic Character of Diesel Induced Tumors

Author(s): J J Vostal

Annual Conference: 1995, Vol. 1B

Paper ID: 95-RA110.02

Issues in the Assessment of Congenital Health Risks from Mercury in Coal

Author(s): F W Lipfert, L Saroff, P D Moskowitz

Annual Conference: 1995, Vol. 1B

Paper ID: 95RA110.03

Final Report on the Operations and Findings of the Anchorage Volatile Organic Compounds (VOC) Monitoring Project

Author(s): L Taylor, S S Morris Annual Conference: 1995, Vol. 1B

Paper ID: 95-RA110.04

Review of Cancer Risks Associated with Dioxins from Environmental Background Sources and Cement Kiln's Hazardous Waste Combustion

Author(s): L C Holcomb, J F Pedelty Annual Conference: 1995, Vol. 1B

Paper ID: 95-RA110.05

Health Risks Associated with PM-10

Author(s): D Marrack

Annual Conference: 1995, Vol. 1B

Paper ID: 95-RA110.06

Hazardous Air Pollutant Emissions from Wastewater Drop Structure: An Improved Estimation Procedure

Author(s): C J Quigley, R L Corsi Annual Conference: 1995, Vol. 1B

Paper ID: 95-RA111A.01

VOC Emissions from Sewer Junction Boxes and Drop Structure Estimation Methods and Experimental Results

Author(s): R L Corsi, C J Quigley Annual Conference: 1995, Vol. 1B

Paper ID: 95-RA111A.02

Control and Production of Toxic Air Pollutants at POTW Odor Control Equipment

Author(s): J T Witherspoon, G Mayer, S Suzuki

Annual Conference: 1995, Vol. 1B

Paper ID: 95-RA111A.03

ALCOSAN: A Case Study of Odor Control Evaluations and Selection

Author(s): M T Lannan, R J Gaudes, N Marchese

Annual Conference: 1995, Vol. 1B

Paper ID: 95-RA111A.04

VOC Emissions Inventory at 14 New York City POTWs

Author(s): R J Pope, D L DiSalvo Annual Conference: 1995, Vol. 1B

Paper ID: 95-RA111A.06

An Approach to Risk Analysis One Refinery's Approach

Author(s): A F Markham, A R Olekszyk, H G Malki

Annual Conference: 1995, Vol. 1B

Paper ID: 95-RA112.01

Evaluation of Health effects Resulting from Accidental Exposure

Author(s): TM Slayton, B D Beck, P A Valberg

Annual Conference: 1995, Vol. 1B

Paper ID: 95-RA112.02

A Review of risk Assessment Practices for Accidental Releases Followed by Various Regulatory Agencies in the USA

Author(s): K Nand, B Loran, B Rhee Annual Conference: 1995, Vol. 1B

Paper ID: 95-RA112.03

The Significance of NOx Emissions from Coal-Fired Power Plants in the Middle Tennessee Area on Tropospheric Ozone

Author(s): WT Davis, AE Early, RT Burns

Annual Conference: 1995, Vol. 3B

Paper ID: 95-RA113A.01

Effects Controlling Rural Area VOC Emissions on Ozone NAAOS

Author(s): HM Sung

Annual Conference: 1995, Vol. 3B

Paper ID: 95-RA113A.02

Preliminary Estimate of the Effects of Regional Emission Control Strategies on Ozone Concentrations in the Northeast U.S.

Author(s): RE Morris, GE Mansell, R Catazza

Annual Conference: 1995, Vol. 3B

Paper ID: 95-RA113A.03

A Study of the Relative Effectiveness of NOx Versus VOC Emissions Reductions in Controlling Ozone Levels in the Philadelphia/New Jersey Urban Airshed

Author(s): S Arunachalam, PG Georgopoulos

Annual Conference: 1995, Vol. 3B

Paper ID: 95-RA113A.04

The Application of the Integrated Process Rate Analysis Method for Investigation of Urban Airshed Model (UAM) Sensitivity to Speciation in VOC Emissions Data

Author(s): ZSF Wang, JE Lanfstaff, HE Jeffries

Annual Conference: 1995, Vol. 3B

Paper ID: 95-RA113A.05

Modeling the Change in Episodic Ozone between 1987 and 1993 in the South Coast (Los Angeles) Air Basin

Author(s): G Yarwood, TE Stoeckenius, RE Looker

Annual Conference: 1995, Vol. 3B

Paper ID: 95-RA113A.06

Jacksonville's Ten Year War on Odors What Worked and What Didn't

Author(s): WE Tutt

Annual Conference: 1995, Vol. 4B

Paper ID: 95-RA114A.01

The Development of a Sampling for the Determination of Odour Emission Rates from Areal Surface-II.

Mathematical Model

Author(s): PJ Bliss, K Jiang, TJ Schulz Annual Conference: 1995, Vol. 4B

Paper ID: 95-RA114A.02

Modeling Approaches for Evaluation Odor Impacts

Author(s): RCPorter, WF Hoydysh Annual Conference: 1995, Vol. 4B

Paper ID: 95-RA114A.03

ALSOCAN and Odor Regression Analysis: The Application of a New Analytical Approach

Author(s): ET Serjak, RP Gaudes, NJ Marchese

Annual Conference: 1995, Vol. 4B

Paper ID: 95-RA114A.04

Urban Odor Warfare

Author(s): RJ Pope, DP Profaci Annual Conference: 1995, Vol. 4B

Paper ID: 95-RA114A.05

Pollution Prevention in Organic Finishing Processes

Author(s): JF Meier, MJ Docherty, CP Izzo

Annual Conference: 1995, Vol. 9

Paper ID: 95-RA115.01

An Energy Environmental and Manufacturing Technology Access Strategy for Small Medium Manufacturers

Author(s): KJ Saulter

Annual Conference: 1995, Vol. 9

Paper ID: 95-RA115.02

The NIST Manufacturing Extension Partnership Environmental Strategy

Author(s): KJ Leuteritz, D Gold Annual Conference: 1995, Vol. 9

Paper ID: 95-RA115.03

Pollution Prevention Alternatives for Petroleum Oils, and Lubricants and Waste Rags Used at U.S. Naval Station Mayport

Author(s): GM Pagett, KR Meardon Annual Conference: 1995, Vol. 9

Paper ID: 95-RA115.04

Pollution Prevention Opportunity Assessments: From Planning to Success at Hanford

Author(s): JA Engel, MD Betsch Annual Conference: 1995, Vol. 9

Paper ID: 95-RA115.05

Facilitating Implementation of Pollution Prevention Technology

Author(s): GE Baker, J Houlahan Annual Conference: 1995, Vol. 9

Paper ID: 95-RA115.06

Aircraft Radome Stripping Evaluation

Author(s): PD Koch, GT Fagin, SG Howell

Annual Conference: 1995, Vol. 9

Paper ID: 95-RA115.07

Use of Protective Chemicals to Assess the Effects of Ambient Ozone on Vegetation

Author(s): WJ Manning

Annual Conference: 1995, Vol. 11

Paper ID: 95-RA117A.01

Mode of Action of Chemical That Prevent Ozone Injury in Plants

Author(s): BI Chevone, MA Mulesky Annual Conference: 1995, Vol. 11

Paper ID: 95-RA117A.02

The Effects of EDU and Ozoban on Photosynthetic Function of Ozone-Exposed Loblolly Pine Seedlings

Author(s): EA Kuehler, RB Flagler Annual Conference: 1995, Vol. 11 Paper ID: 95-RA117A.03

Evaluating Fungicides as Antioxidants to Prevent Ozone in Fruit Crops

Author(s): RC Musselman Annual Conference: 1995, Vol. 11 Paper ID: 95-RA117A.04

Use of Antioxidant Chemicals to Study Ambient Ozone Effects on Southern Pines

Author(s): RB Flagler

Annual Conference: 1995, Vol. 11

Paper ID: 95-RA117A.05

Preliminary Studies for the Restoration of Sculptures of the Metropolitan Cathedral of Mexico City

Author(s): Hbravo A., M reyes G., R Torres J.

Annual Conference: 1995, Vol. 11 Paper ID: 95-RA117B.02

Detection of Ozone Damage on Agricultural Crops in Germany Using Antioxidants

Author(s): Av Tiedmann

Annual Conference: 1995, Vol. 11

Paper ID: 95-RA117B.03

MACT Standards Development for the Iron and Steel industry

Author(s): JH Maysilles

Annual Conference: 1995, Vol. 12

Paper ID: 95-RA118.01

Measurement Based Coke Oven Battery Emission Factors

Author(s): TW Easterly

Annual Conference: 1995, Vol. 12

Paper ID: 95-RA118.02

Characterization of Emissions from Iron and Steel Plants

Author(s): TJ Nilan

Annual Conference: 1995, Vol. 12

Paper ID: 95-RA118.03

Measurement of Organic Air Toxics at Iron Foundries

Author(s): S Klafka, J Loeffler Annual Conference: 1995, Vol. 12

Paper ID: 95-RA118.04

The Use of Continuous PM-10 Monitors to Assist in the Characterization and Identification of Particulate Matter Collected Near an Iron and Steel Facility

Author(s): GS Casuccio, TL Lerch, G Current

Annual Conference: 1995, Vol. 12

Paper ID: 95-RA118.05

MACT for Storage Tanks-What's the Bottom Line?

Author(s): RL Ferry

Annual Conference: 1995, Vol. 12

Paper ID: 95-RA119A.01

Specialty title V Permit Application for Petroleum Refinery Early Reductions Source A Case Study

Author(s): AT Patel, B Contractor, JS Bracey

Annual Conference: 1995, Vol. 12 Paper ID: 95-RA119A.02

Caught in the Crossfire-Title V Permitting of Research and Development Facilities

Author(s): HW Goyette, MC Stuckey Annual Conference: 1995, Vol. 12 Paper ID: 95-RA119A.03

Title V Permitting-STRATEGIES Used and Lessons Learned from Chemical/Petroleum Sources

Author(s): DN Hommrich, RD Kochin Annual Conference: 1995, Vol. 12 Paper ID: 95-RA119A.04

Building a Part 70 Emissions Model for a Specialty Chemical Plant to Maximize Operating Flexibility

Author(s): SA Campbell, GR DeHollander

Annual Conference: 1995, Vol. 12 Paper ID: 95-RA119A.06

Air Issues Associated with Distribution of Crude Oil

Author(s): HW Gayette, BK Lockard Annual Conference: 1995, Vol. 12 Paper ID: 95-RA119A.07

The Acid Rain CEM Program: EPA's Implementation Experience

Author(s): AB Saile

Annual Conference: 1995, Vol. 12

Paper ID: 95-RA120.01

Lessons Learned in the Implementation of Title IV A Major Electric Utility's Perspective

 $\hbox{Author(s): JM $McManus$}$

Annual Conference: 1995, Vol. 12

Paper ID: 95-RA120.02

Seven Rules of CEMS-One Utility's experiences

Author(s): R Just

Annual Conference: 1995, Vol. 12

Paper ID: 95-RA120.03

Lessons Learned Implementing Title IV of the 1990 Clean Air Act

Author(s): BJ McLean

Annual Conference: 1995, Vol. 12

Paper ID: 95-RA120.04

Catalyzing the Alternative Energy Market Incentives from Emissions Trading

Author(s): J Kruger, K Jestin, L Wright Annual Conference: 1995, Vol. 12

Paper ID: 95-RA120.05

The Clean Air Act Acid Rain Program: Lessons for Success in Creating a New Program

Author(s): J Goggman, DJ Dudek Annual Conference: 1995, Vol. 12 Paper ID: 95-RA120.06

Market Experience with the Implementation of Title IV of the Clean Air Act

Author(s): CW Bartels, CJ Colton Annual Conference: 1995, Vol. 12 Paper ID: 95-RA120.07

A Voluntary Approach to Mitigate Methane Emissions: EPA's Natural Gas STAR Program for Natural Gas Producers

Author(s): RA Resch

Annual Conference: 1995, Vol. 12 Paper ID: 95-RA121A.01

The EPA STAR Program: Reduction Methane Emissions form Natural Gas Transmission and Distribution Systems

Author(s): LS Traweek

Annual Conference: 1995, Vol. 12 Paper ID: 95-RA121A.02

Trends in Greenhouse Gas Emissions in the U.S. and Potential Future Outlook

Author(s): DE Klein, SR Winkelman, RL Kane

Annual Conference: 1995, Vol. 12 Paper ID: 95-RA121A.03

Forestry Actions in the Administration's Climate Change Programs

Author(s): RJ Moulton

Annual Conference: 1995, Vol. 12 Paper ID: 95-RA121A.04

Climate Wise A Voluntary Program to Reduce Industry Emissions and Measure and Report Results

Author(s): P Herman, M Quinn Annual Conference: 1995, Vol. 12 Paper ID: 95-RA121A.05

Making Air Pollution Regulations Work with Title V Requirements

Author(s): O Fick, D Helmers Annual Conference: 1995, Vol. 13B

Paper ID: 95-RA122A.01

The Practical Uses of PSD/NSR Permit Application Data for Title V Determinations

Author(s): LA Lucarelli, SR Aldridge Annual Conference: 1995, Vol. 13B Paper ID: 95-RA122A.02

Averaging Times: Myths and Misunderstandings

Author(s): LC Hayes, GD McCutchen Annual Conference: 1995, Vol. 13B

Paper ID: 95-RA122A.03

Limiting Potential to Emit by Rule: A Streamlined Permit Approach Based on Actual emissions

Author(s): CE Schutt, AE Ronchak, MM Mondoch

Annual Conference: 1995, Vol. 13B

Paper ID: 95-RA122A.04

The Role of Generally Applicable Requirements in the Title V Permit Application

Author(s): CW Raasch, KP Lowery Annual Conference: 1995, Vol. 13B

Paper ID: 95-RA122A.05

Title V Guidance for Companies with Plants Located in Both Louisiana and Texas

Author(s): DP Seifert, TJ Gardiner Annual Conference: 1995, Vol. 13B Paper ID: 95-RA122A.06

"Cleaning" of Existing Air Quality Permits for Title V Compliance

Author(s): TJ Prince

Annual Conference: 1995, Vol. 13B

Paper ID: 95-RA122A.07

Selecting ,Training and Developing Environmental Management Auditors

Author(s): JW Thurman, JW Bobo, ME Martin

Annual Conference: 1995, Vol. 13B

Paper ID: 95-RA123.01

A Risk-Based Audit Scheduling Process

Author(s): JW obo, JR Thurman, ME Martin

Annual Conference: 1995, Vol. 13B

Paper ID: 95-RA123.02

Integration of Management System Elements into a Compliance Based Audit Program

Author(s): KS Kasper

Annual Conference: 1995, Vol. 13B

Paper ID: 95-RA123.03

Implementation of 3M's Environmental Management System Assessments

Author(s): MD Koenigsberger Annual Conference: 1995, Vol. 13B

Paper ID: 95-RA123.04

Accomplishing Environmental Management Auditing During Organizational Re-Engineering and Down-Sizing

Author(s): JH Johnston, VG Reynolds Annual Conference: 1995, Vol. 13B

Paper ID: 95-RA123.05

Environmental Management Systems Auditing: An Overview of Goals and Methods

Author(s): RA Roig

Annual Conference: 1995, Vol. 13B

Paper ID: 95-RA123.06

Environmental Audit Process Re-Engineering From Compliance Verification to Management System Evaluation

Author(s): js Nagy, RG Newport, KE Kennedy

Annual Conference: 1995, Vol. 13B

Paper ID: 95-RA123.07

New York State's Clean Air Act Small Business Program

Author(s): DM Monteleone, MJ Mudar Annual Conference: 1995, Vol. 13B

Paper ID: 95-RA124A.01

Progress in the Implementation of Section 507 of the 1990 Clean Air Act Amendments

Author(s): KV Brown

Annual Conference: 1995, Vol. 13B

Paper ID: 95-RA124A.02

Keeping it Simple: Helping Small Business Understand Environmental Regulations

Author(s): DM Lelmore, CW Simon Annual Conference: 1995, Vol. 13B

Paper ID: 95-RA124A.03

Working in Tandem for Compliance Assistance and Pollution Prevention: Curriculum Development for a Drycleaner Environmental Regulations Workshop

Author(s): PL Strong

Annual Conference: 1995, Vol. 13B

Paper ID: 95-RA124A.04

Title V and Texas: In Pursuit of a Two Permit System

Author(s): EG Fiesinger

Annual Conference: 1995, Vol. 13B

Paper ID: 95-RA125A.02

Title V Permit: Operational Flexibility

Author(s): RP Menon

Annual Conference: 1995, Vol. 13B

Paper ID: 95-RA125A.03

A Practical Method of Meeting Changing Batch Production Requirements to Maximize Operating Flexibility under an Operating Permit

Author(s): JR Stultz

Annual Conference: 1995, Vol. 13B

Paper ID: 95-RA125A.04

Maximizing the Operating Flexibility of a Set of Boilers That Were Previously Operating under Individual Permitted Emissions Rates for Nitrogen Oxides

Author(s): JR Stultz

Annual Conference: 1995, Vol. 13B

Paper ID: 95-RA125A.05

TPH Analysis and Biogenic Interference

Author(s): J Bailey

Annual Conference: 1995, Vol. 14

Paper ID: 95-RA126.02

What Makes Laboratory Data Reliable?

Author(s): JW Smiley

Annual Conference: 1995, Vol. 14

Paper ID: 95-RA126.03

Evaluation of the Removal of BTEX from Groundwater Using a Microbial Mat

Author(s): JA Bender, B Graves, W Wright

Annual Conference: 1995, Vol. 14

Paper ID: 95-RA127.01

The Methanotrophic Fluidized Bed Bioreactor From Laboratory to Field Demonstration at the Savannah River Site

Author(s): R Legrand, RR Baker, TD Hayes

Annual Conference: 1995, Vol. 14

Paper ID: 95-RA127.02

Complications in the Analysis of Performance During the Biodegradation of Complex Compounds in Soils

Author(s): RA Brown, MC Leahy, D Cacciatore

Annual Conference: 1995, Vol. 14

Paper ID: 95-RA127.03

using Anaerobic Biotransformation of Chlorinated Solvents for Remediation of Groundwater

Author(s): GJ Smith, GA Ferguson Annual Conference: 1995, Vol. 14

Paper ID: 95-RA127.05

Combined Chemical and Biological Oxidation of Slurry Phase Polycyclic Aromatic Hydrocarbons

Author(s): KL Brown, B Davia, J Sanserverino

Annual Conference: 1995, Vol. 14

Paper ID: 95-RA127.06

The North Carolina Manufactured Gas Plants Initiative: A Common Sense Approach Toward Grouped Voluntary Cleanups

Author(s): BL Nicholson

Annual Conference: 1995, Vol. 14

Paper ID: 95-RA128.01

Comparison of Voluntary Clean-Up Programs of Different States

Author(s): A Roffman, H Roffman Annual Conference: 1995, Vol. 14

Paper ID: 95-RA128.02

A Case Study of Voluntary Site Remediation Concurrent with the Development and Operation of a Commercial Business

Author(s): AR Speight, KR Batsel Annual Conference: 1995, Vol. 14

Paper ID: 95-RA128.03

Regulatory Closure of Atce-Impacted Site in Niles, Illinois

Author(s): HD Polorny

Annual Conference: 1995, Vol. 14

Paper ID: 95-RA128.04

Comparison of Hazardous Waste Incinerator Emissions with Common Non-Hazardous Combustion Devices

Author(s): JJ Cudahy

Annual Conference: 1995, Vol. 15

Paper ID: 95-RA129.01

Estimating Organic Compound Emission Rates for Hazardous Waste Incinerators

Author(s): AR Trenholm, SSBlair, GA Jungclaus

Annual Conference: 1995, Vol. 15

Paper ID: 95-RA129.02

Review of Dioxin Emissions from the U.S. EPA Incineration Research Facility

Author(s): GJ Carroll, RC Thurnau, LR Waterland

Annual Conference: 1995, Vol. 15

Paper ID: 95-RA129.03

Effects of Ash Physical Properties on Leaching Behavior of heavy Metals from Municipal Solid Waste Incineration

Author(s): MB Chang, FY Tsenf, SR Ku Annual Conference: 1995, Vol. 16

Paper ID: 95-RA132.01

Trash, Ash and the Phoenix Waste-to-Energy Facilities After the Supreme Court Decision of May 2, 1994

Author(s): MG Puder, D Elcock Annual Conference: 1995, Vol. 16

Paper ID: 95-RA132.02

Ash Management, Post 1994 Supreme Court Decision Changes

Author(s): CR Yennie

Annual Conference: 1995, Vol. 16

Paper ID: 95-RA132.03

The Woodburn Monofill-Leachate Characteristics

Author(s): HK Roffman

Annual Conference: 1995, Vol. 16

Paper ID: 95-RA132.04

Case Study of the Potential for the Subsurficial Migration of Lead from a Municipal Landfall in Louisville, Kentucky

Author(s): JM Maroncelli, MA Mangun, SD Tucker

Annual Conference: 1995, Vol. 16

Paper ID: 95-RA132.05

Changes in the Chemical Composition of Leachate Attributed to the Temporary Storage of Saturated Waste Combustor Ash

Author(s): RA Clarke, TM Leverentz Annual Conference: 1995, Vol. 16

Paper ID: 95-RA132.06

The Realities of Drinking Water Management in India

Author(s): M Kuchibhotla, S Kuchibhotla

Annual Conference: 1995, Vol. 14

Paper ID: 95-RA135.01

Implementing Section 405 of the Energy Policy Act of 1992-Government's Role in the Promotion of Alternative Fuel Vehicles

Author(s): CL Saricks, TC Snyder, RM Nault

Annual Conference: 1995, Vol. 5

Paper ID: 95-RA97B.01

A Comparison of Methodologies for the Measurement of Air Emissions from Aerated Wastewater Treatment Tanks

Author(s): G A Angyal, B Coulter Annual Conference: 1995, Vol. 1B

Paper ID: 95-RP111B.01

Emission Assessment at a Large Canadian Wastewater Treatment Facility-What are the Impacts

Author(s): P A Burrowes, A D Ciccone, P G Complin

Annual Conference: 1995, Vol. 1B

Paper ID: 95-RP111B.02

AN Overview of the Tri-TAC Guidance Document on Control Technology for VOC Air Emissions form POTWs

Author(s): T R Card, J Witherspoon, G Mayer

Annual Conference: 1995, Vol. 1B

Paper ID: 95-RP111B.03

Control of Emissions from Waste Water Treatment Facilities by Packed-Tower Scrubbers-Bench Scale Studies

Author(s): C Cchiang, DPY Chang, C Wlin

Annual Conference: 1995, Vol. 1B

Paper ID: 95-RP111B.04

VOC Removal Efficiency by Atomized Mist Scrubbing

Author(s): C W Lin, DPY Chang Annual Conference: 1995, Vol. 1B

Paper ID: 95-RP111B.05

Ambient Versus Emission Inventory NMHC, CO, NOx Trends in the South Coast Air Basin (1987-1993)

Author(s): EM Fujita

Annual Conference: 1995, Vol. 3B

Paper ID: 95-RP113B.01

Southeastern Michigan Ozone Study-field Measurements

Author(s): NE Bowne, TD Monosmith Annual Conference: 1995, Vol. 3B

Paper ID: 95-RP113B.02

A Preliminary Analysis of recent Trends in Ground Level Ozone Concentrations in Southern Ontario

Author(s): D Fraser, D Yap, D Fudge Annual Conference: 1995, Vol. 3B

Paper ID: 95-RP113B.03

PAMS Monitoring in the Lake Michigan Area

Author(s): M Koerber, T Sweitzer Annual Conference: 1995, Vol. 3B

Paper ID: 95-RP113B.04

Enhancement of Urban Airshed Model Performance in the Southeast Michigan Ozone Study Through the Consideration of Field Measurements

Author(s): C Fitzner, H Michaels, S Reynolds

Annual Conference: 1995, Vol. 3B

Paper ID: 95-RP113B.05

A Comprehensive Approach to Evaluating WWTP Odor Sources

Author(s): RM Thota, ME Hess Annual Conference: 1995, Vol. 4B

Paper ID: 95-RP114B.01

Odor Evaluation and Dispersion Modeling of Volatile Organic Compound Emissions from a Manufacturing Facility

Author(s): DL Elam, LW Steltenpohl Annual Conference: 1995, Vol. 4B

Paper ID: 95-RP114B.02

Odor Assessment Study for Toronto's Main Sewage Treatment Plant

Author(s): PG Complin, AD Ciccone, PA Burrowes

Annual Conference: 1995, Vol. 4B

Paper ID: 95-RP114B.03

The Development of a Sampling System for the Determination of Odor Emission Rates from Areal

Surfaces-1: Aerodynamic Performance

Author(s): TJ Schulz, K Jiang, PJ Bliss Annual Conference: 1995, Vol. 4B

Paper ID: 95-RP114B.04

Practical Experience in Conducting Emissions Inventories at Coal-Fired Power Plants in Preparation for Title V Permit Applications

Author(s): J Bauer, G Weis, J Stower Annual Conference: 1995, Vol. 13B

Paper ID: 95-RP122B.01

Title V Compliance Analysis Issues for a Bleached Kraft Pulp Mill

Author(s): LF Hary, JT Dent Annual Conference: 1995, Vol. 13B

Paper ID: 95-RP122B.02

Regulatory Review and Compliance-What is the Answer?

Author(s): KM Eldridge, W Groeber Annual Conference: 1995, Vol. 13B

Paper ID: 95-RP122B.03

Early Experience in Title V Permit Preparation

Author(s): P Supple, M Karell, L Harrison Annual Conference: 1995, Vol. 13B

Paper ID: 95-RP122B.04

Permitting Implications of State Differences in Title V Implementation

Author(s): CE Chapin

Annual Conference: 1995, Vol. 13B

Paper ID: 95-RP122B.05

Experiences in Title V Permitting

Author(s): MW Hibbs, EC Yost, MJ Hansel

Annual Conference: 1995, Vol. 13B

Paper ID: 95-RP122B.06

Hawaii's Integrated Permit Program and Options for Integrating Title V with New Source Review

Author(s): E Pike

Annual Conference: 1995, Vol. 13B

Paper ID: 95-RP122B.08

Material Handling Equipment for the Preparation of Wastes for Stabilization Treatment

Author(s): PR Lear, DJ Schmitz, RJ Brickner

Annual Conference: 1995, Vol. 15

Paper ID: 95-RP130.01

Full-Scale Stabilization of Soils Contaminated with CCA and PCP at the Selma Pressure Treating Site, Selma, CA

Author(s): ER Bates, MC Lau Annual Conference: 1995, Vol. 15

Paper ID: 95-RP130.02

Comentitious Stabilization of Chromium, Arsenic and Selenium in a Cooling Tower Sludge

Author(s): RD Spence, TM Gilliam, A Bleier

Annual Conference: 1995, Vol. 15

Paper ID: 95-RP130.03

Solidification and Strength Evaluation of Hazardous Waste Sludges

Author(s): S Kishnani

Annual Conference: 1995, Vol. 15

Paper ID: 95-RP130.04

Use of Soil Mixing at a Metals Site

Author(s): DS Yang, S Takeshima, TA Delfino

Annual Conference: 1995, Vol. 15

Paper ID: 95-RP130.05

Nondestructive Methods for the Integrity Monitoring of CSS Specimens During Durability Tests

Author(s): TM Baseheart, TE Kramer, SR Haines

Annual Conference: 1995, Vol. 15

Paper ID: 95-RP130.06

Effect of Glass on Carbon Monoxide Spillage from Masonry Fireplaces

Author(s): DR Jaasma, CH Stern, DJ Honeycutt

Annual Conference: 1995, Vol. 5

Paper ID: 95-RP137.01

Design and Operating Factors Which Affect Emissions from Residential Wool-Fired Heaters: Review and Update

Author(s): PE Tiegs

Annual Conference: 1995, Vol. 5

Paper ID: 95-RP137.02

Emissions from Combustion of Treated Wood Fuel and Tires in Industrial Boilers

Author(s): MI Holzman, RS Atkins Annual Conference: 1995, Vol. 5 Paper ID: 95-RP137.03

Review and Analysis of Emissions Data for Residential

Wood-Fired Central Furnaces
Author(s): RC McCrillis

Annual Conference: 1995, Vol. 5

Paper ID: 95-RP137.04

Very Low Emissions Cordwood Combustion in High Burn Rate Appliances Early Results with Possible Implications

 $\hbox{Author(s): N Senf}$

Annual Conference: 1995, Vol. 5

Paper ID: 95-RP137.06

Reducing Emissions from Truck Chassis Painting in an Existing Paint Spray Booth

Author(s): TW McDaniel, LL Pickens Annual Conference: 1995, Vol. 9

Paper ID: 95-RP138.01

Waterborne Coatings for Wood Products: The Low VOC, Non-ODC Approach

Author(s): WJ Fray, RR Pease, JP Pandes

Annual Conference: 1995, Vol. 9

Paper ID: 95-RP138.02

Tinker AFB's Alternative Fuels Program

Author(s): RL Stearns

Annual Conference: 1995, Vol. 9

Paper ID: 95-RP138.03

Evaluation of Propylene Carbonate in Air Logistic Center (ALC) Depainting Operations

Author(s): A Burckhalter, AM Hooper, C Nazario

Annual Conference: 1995, Vol. 9

Paper ID: 95-RP138.04

Non-ODC, Low-VOC Substitute Materials and Processes for Airframe Rework Operations

Author(s): BS Roberson

Annual Conference: 1995, Vol. 9

Paper ID: 95-RP138.05

Creation and Use of the Data Dictionary for the

Development of the Naval Air Emissions Tracking System

Author(s): RM Januzik

Annual Conference: 1995, Vol. 10

Paper ID: 95-RP140A.01

Blank Correction of Toxic Pollutants in Air and Precipitation Sampling Comparison of Methods for Handling Censored Distributions with Outliers

Author(s): DF Gatz

Annual Conference: 1995, Vol. 10

Paper ID: 95-RP140A.02

Air Quality trends of Volatile Organic Compounds in Southeast Texas

Author(s): AM Gonalez, T Porter, P Padmanabhan

Annual Conference: 1995, Vol. 10

Paper ID: 95-RP140A.03

Quality Assurance of Data Produced from Sodars-Application of a New Instrument for Field Performance Auditing

Author(s): RA Baxter

Annual Conference: 1995, Vol. 10

Paper ID: 95-RP140A.04

Development of the EPA Air Quality Integrated Management System (AIMS)

Author(s): DA Sullivan, TG Grosch, DJ Hlinka

Annual Conference: 1995, Vol. 10

Paper ID: 95-RP140A.06

The Value Added of Conducting Regional Versus Local Stakeholder Involvements in Evaluating Technology Acceptance

Author(s): GH McCabe, TS Peterson, PJ Serie

Annual Conference: 1995, Vol. 13B

Paper ID: 95-RP142A.01

Indicators of Value Added Through Public Involvement

Author(s): D Lach, L Ramonas

Annual Conference: 1995, Vol. 13B

Paper ID: 95-RP142A.02

Community Involvement: A Critical Factor in Superfund Cleanups

Author(s): C Offutt, P Redmond, M Newton

Annual Conference: 1995, Vol. 13B

Paper ID: 95-RP142A.03

Treatment of Contaminated Groundwater from a Superfund Site Using Electrochemical Precipitation and Granular Activated Carbon Adsorption

Author(s): CG Peng, J Fox, J Langseth Annual Conference: 1995, Vol. 14

Paper ID: 95-RP143.01

An Innovative Technique in Extraction/Interception Trench Construction Using Biodegradable Slurry

Author(s): WT Chan, DC Hsu Annual Conference: 1995, Vol. 14

Paper ID: 95-RP143.02

Innovative use of Mechanical Soil Screening and On-Line Radiological Monitoring to Investigate, Remediate and Close a Low Level Radioactive Disposal Site

Author(s): DB Cozad, DR Carson, FB Winlker

Annual Conference: 1995, Vol. 14

Paper ID: 95-RP143.03

A Risk Based Corrective Action Approach to Expedite Site Closure

Author(s): JT Sims, RT Wallace, Jr. Annual Conference: 1995, Vol. 14

Paper ID: 95-RP143.05

Field Evaluation of Low-Rank Coal in Treating Acid Mine Drainage

Author(s): C Kaiser, K Ganesan Annual Conference: 1995, Vol. 14

Paper ID: 95-RP143.06

Well-bore Stripping System (WASS) for Removal of Chlorinated Hydrocarbons from Groundwater

Author(s): WB Grinyer, H Daftary Annual Conference: 1995, Vol. 14

Paper ID: 95-RP143.07

Environmental Hazard Assessment Models: An Overview

Author(s): WB Nixon, RJ Murphy Annual Conference: 1995, Vol. 14

Paper ID: 95-RP144.01

Stable Oxygen and Carbon Isotope Techniques for Monitoring in Situ Biodegradation Processes

Author(s): PK Aggarwal

Annual Conference: 1995, Vol. 14

Paper ID: 95-RP144.03

The Use of Immunoassay Field Screening Tests as an Expedient and Cost-Effective Tool During Design and Remediation of Environmental Projects

Author(s): SK Gupta, N Triveli Annual Conference: 1995, Vol. 14

Paper ID: 95-RP144.04

Experimental Apparatus and Methodology for Quantifying and Modeling the Effective Soil Gas Diffusion Coefficient in Heterogeneous Soil Matrices

Author(s): JP Kline, GP Partridfge, KR Comey

Annual Conference: 1995, Vol. 14

Paper ID: 95-RP144.05

Post Audit of the Remediation Plan at a Hazardous Waste Site

Author(s): ME Backers, M Beljin Annual Conference: 1995, Vol. 14

Paper ID: 95-RP144.06

On-Site Innovative Treatment of High Hazard Chlorinated Organic Wastes

Author(s): YS Shieh, RJ Bacskai Annual Conference: 1995, Vol. 15

Paper ID: 95-RP145.01

Remediation of Manufactured Gas Plant (MGP) Sites by High Temperature Thermal Distillation

Author(s): BK Horne, TJ Carlsen Annual Conference: 1995, Vol. 15

Paper ID: 95-RP145.02

Thermal Desorption of Pesticide-Contaminated Soils at a Superfund Site

Author(s): SK Goh, WL Troxler, JP Cleary

Annual Conference: 1995, Vol. 15

Paper ID: 95-RP145.03

U.S. EPA Site Evaluation of the Sonotech Frequency Tunable Pulse Combustor

Author(s): MK Richards, LR Waterland, KG Partymiller

Annual Conference: 1995, Vol. 15

Paper ID: 95-RP145.04

Vitrification of DOE Mixed-Waste Wastewater Sludges

Author(s): TJ Overcamp, DM Bennert, KJ Hewlett

Annual Conference: 1995, Vol. 15

Paper ID: 95-RP145.05

Application of High Temperature Anaerobic Thermal Desorption at a CERCLA Site: A Case History

Author(s): JF O'Brien, JF Rouleau Annual Conference: 1995, Vol. 15

Paper ID: 95-RP145.06

Medium Temperature Thermal Desorption of Mercury-Contaminated Soil

Author(s): TE Weyland, MV Rose, TB Zugates

Annual Conference: 1995, Vol. 15

Paper ID: 95-RP145.07

Analysis of Municipal Solid Waste Collection Costs for Businesses and Their Implications for Recycling

Author(s): T Kusterer, BJ Stevens Annual Conference: 1995, Vol. 16

Paper ID: 95-RP146.01

Curbside Collection of Recyclable Material: Time, Vehicles, and Labor

Author(s): PC Riley, JW Everett Annual Conference: 1995, Vol. 16

Paper ID: 95-RP146.02

PET Recycling Growth Correlations with Collection Programs and Developing Markets

Author(s): RA Bennett, RJ McNichols Annual Conference: 1995, Vol. 16

Paper ID: 95-RP146.03

Reducing Solid Waste and Costs for Refuse Collection and Disposal

Author(s): RM Hawkins

Annual Conference: 1995, Vol. 16

Paper ID: 95-RP146.04

Equipment and Strategic Considerations for Low-Cost Sorting and Processing of Most Post-Consumer Plastic Packaging and Durable Goods from the Municipal Solid Waste (MSW) Stream for Recycling

Author(s): H Frankel

Annual Conference: 1995, Vol. 16

Paper ID: 95-RP146.05

Effect of Waste Separation on Municipal Solid Waste Incinerator Emissions

Author(s): AJ Chandler, HG Rigo Annual Conference: 1995, Vol. 16

Paper ID: 95-RP147A.01

NOx Control for Municipal Waste Combustors

Author(s): P Stamatakis, JE Hofmann, VM Albanese

Annual Conference: 1995, Vol. 16

Paper ID: 95-RP147A.02

Control of Heavy Metal and Dioxin/Furan Emissions from the CUQ Municipal Waste Combustion Facility using an Integrated Dry Scrubbing Process

Author(s): MJ Widico

Annual Conference: 1995, Vol. 16

Paper ID: 95-RP147A.03

Air Emissions Standards for Municipal Waste Combustion Facilities--EPA's Proposed Revisions to the New Source Performance Standards and Emission Guidelines

Author(s): SM DuBoff, AH Leskovsek Annual Conference: 1995, Vol. 16

Paper ID: 95-RP147A.04

Design and Installation of Powdered Activated Carbon Storage and Injection Systems for Municipal Solid Waste Incinerators

Author(s): PB Heath

Annual Conference: 1995, Vol. 16

Paper ID: 95-RP147B.01

Variability of Metals and Dioxins in Stack Emissions of Three Types of Municipal Waste Combustors over Four Year Period

Author(s): F Hasselriis

Annual Conference: 1995, Vol. 16

Paper ID: 95-RP147B.03

An Evaluation of the Cost of Incinerating Wastes Containing PVC

Author(s): D Randall, S Shoraka-Blair, R Magee

Annual Conference: 1995, Vol. 16

Paper ID: 95-RP147B.04

The Toxics Release Inventory: A ''Real World'' Resource for Environmental Educators

Author(s): JH Vail

Annual Conference: 1995, Vol. 7

Paper ID: 95-RP150.01

The Textbook Approach to Environmental Education

Author(s): BK Jensen, RA Jensen Annual Conference: 1995, Vol. 7

Paper ID: 95-RP150.02

Environmental Education Using Interactive Software

Author(s): KG Partridge, CM Yoshida Annual Conference: 1995, Vol. 7

Paper ID: 95-RP150.03

Problem Workbook in Air Toxics

Author(s): J Reynolds, K Ganesan, AJ Bunicore

Annual Conference: 1995, Vol. 7

Paper ID: 95-RP150.04

A Study for Preparing a VOC Control Master Plan in Taiwan

Author(s): KT Liu, JJ Liu, PC Ni Annual Conference: 1995, Vol. 8

Paper ID: 95-RP151.01

The Current Status of Indoor Air Quality Investigations and Management in Taiwan

Author(s): CS Yuan

Annual Conference: 1995, Vol. 8

Paper ID: 95-RP151.02

Incorporating Air Quality an Noise Considerations into the Design of the Singapore Underground Roads System

Author(s): J Soden, CB Balachandran Annual Conference: 1995, Vol. 8

Paper ID: 95-RP151.03

Odour Control Strategy at Sewage Treatment Works in Singapore

Author(s): LCC Koe, B Seah, GA Piggott

Annual Conference: 1995, Vol. 8

Paper ID: 95-RP151.04

Using Risk Communication as a Cost-Saving Tool

Author(s): C Arnstein, JB Allyn Annual Conference: 1995, Vol. 6

Paper ID: 95-TA107.01

Evaluating the Status of Your Environmental Management

Process: A Structured Approach

Author(s): JC Stouch

Annual Conference: 1995, Vol. 6

Paper ID: 95-TA107.02

The Use of Simplified Quantitative Risk Analysis in risk Management Decisions at Small and Medium Sized Process Plants

Author(s): SB Libicki, S Jain Annual Conference: 1995, Vol. 6

Paper ID: 95-TA107.03

Implementing an Enhanced Environmental Management System at a Medium-Sized Electric Utility

Author(s): JR Nodelman, LM Johnston Annual Conference: 1995, Vol. 6

Paper ID: 95-TA107.04

Flow Monitoring at Minnesota Power

Author(s): WA Lantz, RL Hoyum Annual Conference: 1995, Vol. 10

Paper ID: 95-TA16B.01

Permeation and Adsorption of Carbon Monoxide in Polymeric Tubing Used for Extractive Emissions Monitoring Applications

Author(s): TA Dunder, CS Stone, JE Stahl

Annual Conference: 1995, Vol. 10

Paper ID: 95-TA16B.02

Problems and Solutions for Continuous emissions Monitors While Measuring SO2 Down Stream of NOx Control

Author(s): JR White

Annual Conference: 1995, Vol. 10

Paper ID: 95-TA16B.03

Development of a Close-Coupled Multigas Analyzer for Continuous Emission Monitoring

Author(s): SB Mande, MS Gottlieb Annual Conference: 1995, Vol. 10

Paper ID: 95-TA16B.04

Improvements in In-Situ SO2/NO Analyzers for CEMS Applications

Author(s): GF McGowan

Annual Conference: 1995, Vol. 10

Paper ID: 95-TA16B.05

A Commercial Gas-Chromatographic Continuous Emissions Monitoring System for the Determination of VOCs and HAPs

Author(s): LM Dominguez, BM Gordon, WM Coleman

Annual Conference: 1995, Vol. 10

Paper ID: 95-TA16B.06

Reuse Options for Demilitarization Energetics

Author(s): WO Munson

Annual Conference: 1995, Vol. 12

Paper ID: 95-TA22B.01

Conducting Environmental Audits at Chemical Demilitarization Facilities

Author(s): JD Wood

Annual Conference: 1995, Vol. 12

Paper ID: 95-TA22B.02

RCRA Regulatory Requirements for Explosives and Open Burning and Open Detonation (OB/OD) Miscellaneous Units

Author(s): CA W Smith, JC Gaines, KA Shuster

Annual Conference: 1995, Vol. 12

Paper ID: 95-TA22B.03

Remediation of Explosives-Contaminated Soils via On-Site Incineration at the Alabama Army/Ammunition Plant

Author(s): KM Andrews, MA Pantaloni, KF Gray

Annual Conference: 1995, Vol. 12

Paper ID: 95-TA22B.06

Issues Pertaining to Offset Acquisitions Within the Northeast Ozone Transport Region

Author(s): JS Seinfield, AA Adams Annual Conference: 1995, Vol. 13A

Paper ID: 95-TA25A.01

Enhanced Monitoring- A Case Study

Author(s): JH Knoblock

Annual Conference: 1995, Vol. 13A

Paper ID: 95-TA25A.02

Multi-Plant RACT Analysis Using a Team Approach

Author(s): CJ Walk

Annual Conference: 1995, Vol. 13A

Paper ID: 95-TA25A.03

The increasing Impact of Citizen Suits on EPA's Ambient Standard Setting Process

Author(s): LM Langworthy, AB Field Annual Conference: 1995, Vol. 13A

Paper ID: 95-TA25A.04

Increasing Complications in the Permitting of Existing, New and Modified Sources

Author(s): AB Field, RS Antonson Annual Conference: 1995, Vol. 13A

Paper ID: 95-TA25A.05

Baseline Data for the Assessment of Air Toxics Impacts from a Municipal Waste Resource Recovery Facility Through Multimedia Environmental Monitoring Studies

Author(s): R K Rao, P Virag, A Hanines Annual Conference: 1995, Vol. 1A

Paper ID: 95-TA30A.01

Assessing Risks from Facilities Burning Hazardous Waste: EPA Experience to Date

Author(s): D A Canter

Annual Conference: 1995, Vol. 1A

Paper ID: 95-TA30A.02

Influence of the 3m Cottage Grove Environmental Monitoring Study on a State Agency's Approach to Multi-Media Environmental Monitoring Studies

Author(s): C J Twaroski, D F Grigal, E A Nater

Annual Conference: 1995, Vol. 1A

Paper ID: 95-TA30A.03

Assessing Ambient Incinerators Impacts Near the Limits of Detection Using Reconciled Dispersion and Receptor Model Techniques

Author(s): B J Patterson, S Fruin, M Elnabarawy

Annual Conference: 1995, Vol. 1A

Paper ID: 95-TA30A.04

Health Risk Analyses Using Receptors Modeling of Ambient Air Sampling Results

Author(s): J B Stevens, S A Fruin, L K Clark

Annual Conference: 1995, Vol. 1A

Paper ID: 95-TA30A.05

Baseline Results of a Biomonitoring Program for Mercury Near a Cement Plant Planning to Burn Hazardous Waste

Author(s): G A Pascoe, R J Blanchet, S L Minter

Annual Conference: 1995, Vol. 1A

Paper ID: 95-TA30A.06

Regulations to the Federal requirements Under Title III of the Clean Air Act Amendments of 1990

Author(s): D M Guy, C Rivkin, M Zaw-Mon

Annual Conference: 1995, Vol. 1A

Paper ID: 95-TA31.01

Experiences Implementing Section 112: Two Local Perspectives

Author(s): B Lee, B Bateman Annual Conference: 1995, Vol. 1A

Paper ID: 95-TA31.02

Implementation of EPA's Title III Regulations and Compliance with California's Health Risk Assessment Requirements

Author(s): K Nand

Annual Conference: 1995, Vol. 1A

Paper ID: 95-TA31.03

Development of a Protocol to Guide the Preparation of a Regional Air Toxics Emission Inventory for the Great Lakes Commission and the Great Lakes States

Author(s): L Bruckman, J Grisinger, C Ratza

Annual Conference: 1995, Vol. 1A

Paper ID: 95-TA31.04

Field Validation Testing of Fourier Transform Infrared (FTIR) Spectrometry Method for Measurement of Formaldehyde, Phenol, and Methanol from Stationary Sources

Author(s): T Dunder, L Kinner, T J Geyer

Annual Conference: 1995, Vol. 2

Paper ID: 95-TA32.01

Comprehensive VOC Source Emissions Assessment A Combined Approach of EPA Method TO-14, EPA Method TO-11, and Extractive FTIR

Author(s): W K Reagen, MM DePuydt, B D Wright

Annual Conference: 1995, Vol. 2

Paper ID: 95-TA32.02

Measurement of Organic HAP Emissions with Laser Induced Fluorescence

Author(s): JHJ Thijssen, MA Toqan, JM Beer

Annual Conference: 1995, Vol. 2

Paper ID: 95-TA32.03

Measuring HAPS with the "OPSIS" UV-DOAS System

Author(s): RM Hartman

Annual Conference: 1995, Vol. 2

Paper ID: 95-TA32.04

Filed Analysis of Hazardous Air Pollutants with an Ion Trap Mass Spectrometer

Author(s): DM Haile, EH Dorris, GL Finney

Annual Conference: 1995, Vol. 2

Paper ID: 95-TA32.05

Extractive FTIR: Manufacturing Process Optimization Study

Author(s): JS Eldridge, JW Stock, WK Reagen

Annual Conference: 1995, Vol. 2

Paper ID: 95-TA32.06

Characterization of Particle Populations Associated with Indoor Air Quality Investigations Using Microscopy Techniques

Author(s): BC Henderson, SF Schargle Annual Conference: 1995, Vol. 3A

Paper ID: 95-TA33A.01

Effect of Ventilation on Indoor Radona and Thoron Progeny Experimental Verification of a Simple Model

Author(s): RW Sheets, CC Thompson Annual Conference: 1995, Vol. 3A

Paper ID: 95-TA33A.02

Volatilization of Chemical from Drinking Water to Indoor

Author(s): C Howard, RL Corsi Annual Conference: 1995, Vol. 3A

Paper ID: 95-TA33A.03

Aerosol Filtration Efficiency of Ventilation of Air Cleaners

Author(s): JT Hanley, DS Ensor, LE Sparks Annual Conference: 1995, Vol. 3A

Paper ID: 95-TA33A.04

Improving the Evaluation of Building Ventilation

Author(s): AK Persily

Annual Conference: 1995, Vol. 3A

Paper ID: 95-TA33A.05

The 'effect of Nearby Outdoor Pollutants sources on Indoor Air Quality at the United States Postal Service Boston Mail Processing and Distribution Facility

Author(s): C Vidich, P Virag, J Marini Annual Conference: 1995, Vol. 3A

Paper ID: 95-TA33A.06

A Wind Tunnel Study of Wind Screen Effectiveness for Fugitive Dust Control

Author(s): WG Hoydush, O Holynskyj, R Rothestein

Annual Conference: 1995, Vol. 3A

Paper ID: 95-TA34.01

Model Performance Evaluation of Gaseous Dry Deposition Algorithms

Author(s): G Moore, P Ryan, D Schwede Annual Conference: 1995, Vol. 3A

Paper ID: 95-TA34.02

Development of a Grid-Based Model to Estimate Particulate Matter and Deposition of Toxic Compounds onto the Great Waters

Author(s): RE Morris, PD Guthrie, D Axelrad

Annual Conference: 1995, Vol. 3A

Paper ID: 95-TA34.03

Deposition Modeling for Dioxin/Furans: Realistic Alternatives to the 1993 EPA Addendum Approach for Plant Uptake of Vapors and Particles

Author(s): DG Smith, D Heinold Annual Conference: 1995, Vol. 3A

Paper ID: 95-TA34.04

Experimental Study on Simultaneous Removal of SO2 and NO from Flue Gas in a Fabric Filter

Author(s): CS Yuan, ST Tsai Annual Conference: 1995, Vol. 4A

Paper ID: 95-TA36A.01

Control of NOx Emissions from Jet Engine Test Cells

Author(s): LT Kimm, ER Allen, JS Wander

Annual Conference: 1995, Vol. 4A

Paper ID: 95-TA36A.02

The NOXSO Project/Incorporating Lessons Learned from a Pilot into a Full-Scale Demonstration

Author(s): RE Bolli, JP Browning, JL Haslbeck

Annual Conference: 1995, Vol. 4A

Paper ID: 95-TA36A.03

Production and Use of Activated Char for Combined SO2/Nox Removal

Author(s): JA DeBarr, AA Lizzo, MJ Rood

Annual Conference: 1995, Vol. 4A

Paper ID: 95-TA36A.04

Results from the Recent Testing of the 10-MW Gas Suspension Absorption Flue Gas Desulfurization Technology

Author(s): TA Burnett, EJ Puschaver, TM Little

Annual Conference: 1995, Vol. 4A

Paper ID: 95-TA36A.05

The Simultaneous Removal of SO2 and NOx from Flue Gas by Aqueous Solutions of NaC102 in a Spraying Sieve-tray Column

Author(s): TW Chien, H Chu Annual Conference: 1995, Vol. 4A

Paper ID: 95-TA36A.06

Transportation Control Measure Analysis Tools

Author(s): KK Knapp, JA Crawford, KS Rao

Annual Conference: 1995, Vol. 5

Paper ID: 95-TA37.01

Traffic and Traffic Controls Impacts of Modeled Carbon Monoxide Concentrations Associated with Intersections Using CAL3QHC: A Sensitivity Analysis

Author(s): MJ Spitzak, DC DiCristofaro, W Groot

Annual Conference: 1995, Vol. 5

Paper ID: 95-TA37.02

Motor Vehicle Episodic Emissions Due to High Load Driving and Positive Grades An On-Road, On-Board Sensing Study

Author(s): PC Fernandez, JR Long Annual Conference: 1995, Vol. 5

Paper ID: 95-TA37.03

Soil Aerosol Comparison of Source Sample Generation Methods

Author(s): DF Gatz

Annual Conference: 1995, Vol. 5

Paper ID: 95-TA38.01

Ratio of Vertical Flux of PM10 TO Total Horizontal Mass Flux of AIRBORNE Particles in Wind Erosion

Author(s): DA Gilette, DW Fryrear, T Ley

Annual Conference: 1995, Vol. 5

Paper ID: 95-TA38.02

Development of a Time Resolved Emission Inventory for a Western Surface Coal Mine

Author(s): C Cowerd, AK Caughton, JS Tourma

Annual Conference: 1995, Vol. 5

Paper ID: 95-TA38.03

H.A. Wagner Waste Minimization Study

Author(s): GL Gunzelman, K Moran Annual Conference: 1995, Vol. 9

Paper ID: 95-TA39A.01

Re-Engineering Waste Management to Prevent Pollution

Author(s): CR Axness

Annual Conference: 1995, Vol. 9

Paper ID: 95-TA39A.02

Hazardous Waste Recycling: Real and Perceived Obstacles-A Louisiana Case Study

Author(s): WR Lea, M Tittlebaum, M Reams

Annual Conference: 1995, Vol. 9

Paper ID: 95-TA39A.03

Integrating Multi-Media Environmental Data in a Client/Server Architecture

Author(s): DN Hommich, JC Braselman Annual Conference: 1995, Vol. 9

Paper ID: 95-TA39A.04

An Innovative Approach to Environmental Compliance

Author(s): WJ Gresham, HR Schroeder Annual Conference: 1995, Vol. 9

Paper ID: 95-TA39A.05

Discussion of Behavioral Barriers to Successful Implementation of Pollution Prevention Plans

Author(s): C Norton

Annual Conference: 1995, Vol. 9

Paper ID: 95-TA39A.06

The Progress of Pollution Prevention in San Diego County

Author(s): JR Hess

Annual Conference: 1995, Vol. 9

Paper ID: 95-TA40A.01

Life Cycle Design (LCD) -Re-Engineering the Process Design Procedure

Author(s): AA Linninger, G Stephanopoulos

Annual Conference: 1995, Vol. 9

Paper ID: 95-TA40A.02

Ozone Action!-Voluntary VOC Reductions in Southeast Michigan

Author(s): CC Hersey, AD Schmidt Annual Conference: 1995, Vol. 9

Paper ID: 95-TA40A.04

Development of a Comprehensive Environmental Technologies List for the U.S. Department of Energy

Author(s): DA Lombardi, FV DiMassa Annual Conference: 1995, Vol. 9

Paper ID: 95-TA40A.05

Life Cycle Inventory for Chemical Agent Resisting Coating

Author(s): DM Russell

Annual Conference: 1995, Vol. 9

Paper ID: 95-TA40A.06

LogNormal Probability Plots as a Way to Distinguish and Visualize Variability and Uncertainty in a LonName Random Variable

Author(s): DE Burmaster, DA Hull Annual Conference: 1995, Vol. 11

Paper ID: 95-TA42.01

Distribution Development for Probabilistic Exposure Assessment

Author(s): HC Frey, AC Cullen Annual Conference: 1995, Vol. 11

Paper ID: 95-TA42.02

The MicroExposure Event Modeling Approach to Probabilistic Exposure Assessment

Author(s): NW Harrington, CL Curry, PA Price

Annual Conference: 1995, Vol. 11

Paper ID: 95-TA42.03

More Realistic Exposure Durations for More Realistic People

Author(s): RL Sielken, Jr., BA Trenary Annual Conference: 1995, Vol. 11

Paper ID: 95-TA42.04

A Monte Carlo Approach to Generating Equivalent Rates in Population Exposure Assessments

Author(s): T Johnson, M McCoy, WM Ollison

Annual Conference: 1995, Vol. 11

Paper ID: 95-TA42.05

Analysis of Potential Integrated Exposure Over Threshold: 15 Houston Sites

Author(s): TW Sager, EI George, E Murff

Annual Conference: 1995, Vol. 11

Paper ID: 95-TA43.01

Comparative Risk Analysis of the TRI Data as an Environmental Indicator-A Louisiana Case Study

Author(s): WR Lea, B Kura, K McManis

Annual Conference: 1995, Vol. 11

Paper ID: 95-TA43.02

An Analysis of Dispersion Model Options in the Comprehensive Risk Evaluation of Electric utility Air Toxic Emissions

Author(s): LB Gratt, L Levin Annual Conference: 1995, Vol. 11

Paper ID: 95-TA43.03

Problems with the Use of Meta Analysis of Epidemiological Studies in Risk Assessment: Worker Environmental Tobacco Smoke Lung Cancer Risk as an Example

Author(s): LB Gratt, WT Chappell Annual Conference: 1995, Vol. 11

Paper ID: 95-TA43.04

Estimating Potential Casualties from Acute Events at Emergency Response Sites

Author(s): WI Willis, JD Harris, CE Stanton

Annual Conference: 1995, Vol. 11

Paper ID: 95-TA43.05

Making Ethical Decisions in Environmental Practices

Author(s): HJ Taback

Annual Conference: 1995, Vol. 13A

Paper ID: 95-TA44.01

Professional Ethics: Key to Credibility and Trust

Author(s): HC McKee

Annual Conference: 1995, Vol. 13A

Paper ID: 95-TA44.02

Understanding Ethical Dilemmas Using the Professional Moral Development Theory

Author(s): MH Huesemann

Annual Conference: 1995, Vol. 13A

Paper ID: 95-TA44.03

CAL3QHCR: An Adaptation of the CAL3QHC Model to Process Hourly Meteorological Data

Author(s): G Schattanek, H Ginzburg, A Heffernan

Annual Conference: 1995, Vol. 13A

Paper ID: 95-TA45.01

Planning for Conformity: A Protocol for Project-Specific Modeling of CO Emissions

Author(s): DC DiCristofaro, MJ Spitzak, W Groot

Annual Conference: 1995, Vol. 13A

Paper ID: 95-TA45.02

An Automated System for Air Conformity Determinations at Air Force Installations

Author(s): PJ Palmisano, C Duecker Annual Conference: 1995, Vol. 13A

Paper ID: 95-TA45.03

Strategic Planning for an Environmental Remediation: The Foundational Role of Communications

Author(s): HL Gilberg

Annual Conference: 1995, Vol. 14

Paper ID: 95-TA47.01

Cost-Effective Management of the RCRA Correction Action Process

Author(s): ME Resch

Annual Conference: 1995, Vol. 14

Paper ID: 95-TA47.02

Development of a Five Year Remediation Plan

Author(s): J Villaume, M Marchlik Annual Conference: 1995, Vol. 14

Paper ID: 95-TA47.03

Argonne's Expedited Site Characterization An Integrated Approach to Cost-and Time Effective Remedial Investigation

Author(s): JC Burton, JL Walker, PK Aggarwal

Annual Conference: 1995, Vol. 14

Paper ID: 95-TA47.04

Planning for a CERCLA Investigation and Remedial Action at a Military Facility; A Case Study

Author(s): LK Simkins, GK Romine Annual Conference: 1995, Vol. 14

Paper ID: 95-TA47.05

Closure of Surface Impoundments Containing Mineral Processing Wastes Through Resource Recovery

Author(s): RD Fehler

Annual Conference: 1995, Vol. 14

Paper ID: 95-TA47.06

Integrating Chemical Data Needs into Strategic Project Planning

Author(s): CC Reynolds

Annual Conference: 1995, Vol. 14

Paper ID: 95-TA47.07

CI-C18 Carbonyls, PAN and PPN in Los Angeles Air

Author(s): D Grosjean, E Grosjean, MP Fraser

Annual Conference: 1995, Vol. 3A

Paper ID: 95-TA5.01

Evaluation of Operator Approaches for Peroxy Radical-Peroxy Reactions

Author(s): F Kirchner, WR Stockwell Annual Conference: 1995, Vol. 3A

Paper ID: 95-TA5.02

A Photochemical Extent Parameter to Aid Ozone Air Quality Management

Author(s): TY Chang, DP Chock, BI Nance

Annual Conference: 1995, Vol. 3A

Paper ID: 95-TA5.03

A Spretroadiometric Method for the Determination of the Photodissociation Rate of NO,O3. HCHO and the Other Atmospheric Molecules

Author(s): H Cotte, P Carlier, C Devaux Annual Conference: 1995, Vol. 3A

Paper ID: 95-TA5.04

Reaction Rates of Semi-Volatile Organic Compounds with OH Radicals

Author(s): PN Anderson, RA Hites Annual Conference: 1995, Vol. 3A

Paper ID: 95-TA5.05

Spatial and Temporal Variability of Carbonyl Compounds Along Colorado's Front Range

Author(s): LG Anderson, E Prouty, R Eisenhardt

Annual Conference: 1995, Vol. 3A

Paper ID: 95-TA5.06

Impact of Nighttime Chemical Processes on the Tropospheric Chemistry

Author(s): I Bey, B Aumont, A Jaecker-Voirol

Annual Conference: 1995, Vol. 3A

Paper ID: 95-TA5.07

Alternative Treatment Technologies for Regulated Medical Waste: New York State Perspective

Author(s): IF Salkin, WE Mahoney Annual Conference: 1995, Vol. 16

Paper ID: 95-TA50.01

Recent Experiences with British Medical Waste Incineration Guidelines

Author(s): MM Bulley

Annual Conference: 1995, Vol. 16

Paper ID: 95-TA50.02

Local Government Permitting: A Successful Strategy for Coexistence with Medical Waste Incinerators

Author(s): JB Wilcox, KB Clark Annual Conference: 1995, Vol. 16

Paper ID: 95-TA50.03

Optimizing the Performance of a Regional Medical Waste Combustor by Modification of Air Distribution and Use of Computer Data Analysis

Author(s): F Hasselriis, R Taylor, W Schuetzenduebel

Annual Conference: 1995, Vol. 16

Paper ID: 95-TA50.05

A Comparison between the Emissions of a 1993 Permitted Medical Waste Incinerator and a Steam Decontamination Device

Author(s): RW Olson

Annual Conference: 1995, Vol. 16

Paper ID: 95-TA50.06

Modification of Existing Refractory Municipal waste Incinerator with Electrostatic Precipitator to Achieve a 99% Reduction in Dioxin Emissions

Author(s): F Hasselriis, M Gaskin Annual Conference: 1995, Vol. 16

Paper ID: 95-TA50.07

Strategies for Successful Environmental Execution of International Projects

Author(s): JD Hill

Annual Conference: 1995, Vol. 8

Paper ID: 95-TA53A.01

Methodological Requirements for an Operational Sustainable Development Program

Author(s): GA Emison

Annual Conference: 1995, Vol. 8

Paper ID: 95-TA53A.02

Russian/US Air Quality Information and Technology Exchange

Author(s): TG Pace

Annual Conference: 1995, Vol. 8

Paper ID: 95-TA53A.03

Building Sustainable Development in Central and Eastern Europe Through Waste Minimization

Author(s): WB Beck

Annual Conference: 1995, Vol. 8

Paper ID: 95-TA53A.04

Hazardous Waste Management Study of the Ivory Coast (Cote D'Ivoire), Africa

Author(s): D Lipsky, J Jensen Annual Conference: 1995, Vol. 8

Paper ID: 95-TA53A.05

Can a Global Environmental Policy Succeed in Promoting Intergenerational Equity?

Author(s): DM Ligon, AR Wusterbarth Annual Conference: 1995, Vol. 8

Paper ID: 95-TA53A.06

Use of a Biotrickling Filter (BTF) for Control of N,N-Dimethylacetamide Emissions

Author(s): S Dharmavaram, UC Duursma, G Rietbrook

Annual Conference: 1995, Vol. 4A

Paper ID: 95-TA9B.01

Removal of Isopentane and Isobutane Vapors from an Industrial Process Waste Stream Using a Field Pilot Biotrickling Filter

Author(s): AP Togna, GJ Skadant, WJ Fucich

Annual Conference: 1995, Vol. 4A

Paper ID: 95-TA9B.02

Removal of Organic Air Pollutants from Exhaust Gases in the Trickle Bed Bioreactor Effect of Oxygen

Author(s): K Kirchner, S Wagner, HJ Rehm

Annual Conference: 1995, Vol. 4A

Paper ID: 95-TA9B.03

Performance of Trickle Bed Biofilters Under High Toluene Loading

Author(s): GA Sorial, FI Smith, A Pandt Annual Conference: 1995, Vol. 4A

Paper ID: 95-TA9B.04

Process for Control of Reduced Sulfur Compound (H2S) Emissions from Refinery Process Vents: Biofilter

Author(s): R Kamarthi, GP Hebert Annual Conference: 1995, Vol. 4A

Paper ID: 95-TA9B.05

Study of Biofiltration for Control of VOC and Toxic Emissions from Wastewater Treatment Plants Phase II Bench Scale Experiments

Author(s): TS Webster, JS Devinny, EM Torres

Annual Conference: 1995, Vol. 4A

Paper ID: 95-TA9B.06

Biofiltration of BTEX: Effects of Media, Multiple Substrates and Dynamics Mass Loadings

Author(s): RL Corsi, L Seed Annual Conference: 1995, Vol. 4A

Paper ID: 95-TA9B.07

Validation and Evaluation of the Coastal Oxidant Assessment for Southeast Texas (COAST) Volatile Organic Compound Data

Author(s): EM Fujita, Z Lu, JH Price Annual Conference: 1995, Vol. 10

Paper ID: 95-TP15P.01

An Approval of the Summer 1993 Coast Project Canister VOC Data Set

Author(s): WJ Hauze, SD Hoyt Annual Conference: 1995, Vol. 10

Paper ID: 95-TP15P.02

Meteorological Aspects of Ozone Episodes in Southeast Texas

Author(s): CG Lindsey, TS Dye, PT Roberts

Annual Conference: 1995, Vol. 10

Paper ID: 95-TP15P.03

Palliation of Smog Production (SP) Algorithms to the TNRCC COAST Data

Author(s): CL Blanchard, PT Roberts, LR Chinkin

Annual Conference: 1995, Vol. 10

Paper ID: 95-TP15P.04

Assessment of Revisions to National Ambient Air Quality Standards: Sulfur Dioxide and Ozone

Author(s): LD Kenkeremath, KR Wilund Annual Conference: 1995, Vol. 13A

Paper ID: 95-TP25B.01

Foodchain Pathway Analysis for CKD Constituents at Continental Cement Hannibal, Missouri

Author(s): R J Schreiber, JR. D S Hall Annual Conference: 1995, Vol. 1A

Paper ID: 95-TP30B.03

Predicted and Actual Concentrations of VOC in Indoor Air Compared to Needs for Protection of Health

Author(s): LC Holcomb, J Pedelty Annual Conference: 1995, Vol. 3A

Paper ID: 95-TP33B.01

Indoor Air Quality Criteria for Health vs. Comfort Concerns

Author(s): LC Holcomb, J Pedelty Annual Conference: 1995, Vol. 3A

Paper ID: 95-TP33B.02

Cumulative Exposures to Air Toxics: Indoor Sources

Author(s): MP Ligocki, PS Stiefer, AS Rosenbaum

Annual Conference: 1995, Vol. 3A

Paper ID: 95-TP33B.03

Guidelines for Determining Acceptable Workplace Indoor Air Quality

Author(s): WC Chadwick

Annual Conference: 1995, Vol. 3A

Paper ID: 95-TP33B.04

Study of a Moving-Bed Copper Oxide Process for SO2 and NOx Control

Author(s): JT Ydh, JH Hoffman, HW Pennline

Annual Conference: 1995, Vol. 4A

Paper ID: 95-TP36B.01

Condensing Heat Exchanger Demonstration for Optimization of Energy Efficiency and Pollution Control

Author(s): PV Smith, DW Johnson Annual Conference: 1995, Vol. 4A

Paper ID: 95-TP36B.02

Gas Suspension Absorption: A New Approach in FGD Systems for Boilers and Incinerators

Author(s): JG Hedenhag, WL Goss Annual Conference: 1995, Vol. 4A

Paper ID: 95-TP36B.03

A Fundamental Study of Ca (OH) 2 Dissolution Rate and the Effect of Chemical Additives

Author(s): J Wang, TC Keener, SJ Khang

Annual Conference: 1995, Vol. 4A

Paper ID: 95-TP36B.04

Demonstration of Post Combustion NOx Control Technology on a Pulverized Coal, Wet Bottom Utility

Author(s): AJ Wallace, FX Gibbons, RO Roy

Annual Conference: 1995, Vol. 4A

Paper ID: 95-TP36B.05

En-Track TM-A New Software System for Managing Hazardous Materials

Author(s): PJ Gilford, RD Dobson, J McCann

Annual Conference: 1995, Vol. 9

Paper ID: 95-TP39B.01

Integrating Pollution Prevention and Environmental Management Programs

Author(s): CJ Keyworth

Annual Conference: 1995, Vol. 9

Paper ID: 95-TP39B.02

Beyond Pollution Prevention: Developing an Integrated Environmental Business Management Strategy

Author(s): D Cohan, D Gess Annual Conference: 1995, Vol. 9

Paper ID: 95-TP39B.03

Hazardous Materials Life-Cycle Cost Considerations in Maintenance Process Alternatives Decisions

Author(s): JI Ellis, BS West, TW Heathman

Annual Conference: 1995, Vol. 9

Paper ID: 95-TP40B.01

LCA: Challenging the Waste Management Hierarchy

Author(s): J Besnainou

Annual Conference: 1995, Vol. 9

Paper ID: 95-TP40B.02

Environmental Equity Legislation and Practices

Author(s): LV Bowen, C Green Annual Conference: 1995, Vol. 13A

Paper ID: 95-TP46.01

The Redesign of Texas Air Monitoring Network Optimization for Population Exposure and Environmental Equity

Author(s): DW Sullivan, AM Gonzales, J Gise

Annual Conference: 1995, Vol. 13A

Paper ID: 95-TP46.02

Evolution of Socioeconomic Assessments of Air Quality Regulations in Southern California

Author(s): S Lieu, BR Wallerstein Annual Conference: 1995, Vol. 13A

Paper ID: 95-TP46.03

The 1994 environmental Equity and justice Act: An Analysis of its Methodology and Effectiveness

Author(s): MN Nicholson-Chocie, RA DeMea

Annual Conference: 1995, Vol. 13A

Paper ID: 95-TP46.04

Pilot Project on a Three Chute Source Separation and Recycling System for Multi-Family Buildings

Author(s): KL De

Annual Conference: 1995, Vol. 16

Paper ID: 95-TP51.01

Development of Adsorbent Carbons from Waste Tire for Natural gas Storage and Multi-Component Air Pollution Control

Author(s): TA Brady, MR Abadi, J Sun Annual Conference: 1995, Vol. 16

Paper ID: 95-TP51.02

Community Response to Quantity-Based Solid Waste Collection Fees in Gainesville, Florida

Author(s): AM Kugler

Annual Conference: 1995, Vol. 16

Paper ID: 95-TP51.03

Opportunity vs. Risk Field Studies Assess Risk in Processing Empty Steel Cans for Recycling

Author(s): M Rizzuto

Annual Conference: 1995, Vol. 16

Paper ID: 95-TP51.04

Survey Results of a Store-Based Environmental Shopping Campaign in New York City

Author(s): MJ Clarke

Annual Conference: 1995, Vol. 16

Paper ID: 95-TP51.05

Materials Exchange: The Minnesota Model

Author(s): CB Truth

Annual Conference: 1995, Vol. 16

Paper ID: 95-TP51.06

Estimating Emissions and Secondary Impacts from Remediation of Superfund Sites

Author(s): J F Durham

Annual Conference: 1995, Vol. 1A

Paper ID: 95-TP55.01

Expert Interface for Air Emissions from Superfund Sites

Author(s): J S Touma, M W Eltgroth, T K Paik

Annual Conference: 1995, Vol. 1A

Paper ID: 95-TP55.02

Procedures for Air Dispersion Modeling at Superfund Sites

Author(s): J S Touma, M W Eltgroth, S M Templeman

Annual Conference: 1995, Vol. 1A

Paper ID: 95-TP55.03

Air Quality Impacts from the Groundwater Remediation System at the Industrial Transformer Superfund Site

Author(s): T L Hurley, M E Dunn Annual Conference: 1995, Vol. 1A

Paper ID: 95-TP55.04

Evaluation of Open Path Air Monitoring (FTIR/UV) for First Alert Monitoring Fenceline Monitoring and Estimating Emission Rates

Author(s): C E Schmidt, R Kricks, S Perry

Annual Conference: 1995, Vol. 1A

Paper ID: 95-TP55.05

Air Management Program at the French Limited Superfund Site

Author(s): M S Hunt, R L Sloan Annual Conference: 1995, Vol. 1A

Paper ID: 95-TP55.06

Advances in Estimating Fine Particle Wind Erosion Emissions from Land Contamination Sites

Author(s): C Cowherd, Jr., M A Grelinger

Annual Conference: 1995, Vol. 1A

Paper ID: 95-TP55.07

Generic MACT Determination for Pultrusion and Compression Molding

Author(s): J Schweitzer, D J Lipiro, K A Piergies

Annual Conference: 1995, Vol. 1B

Paper ID: 95-TP56.01

Impact of 112 (g) Program Prior to Promulgation of MACT Standards on the Semiconductor Industry

Author(s): E Dionne

Annual Conference: 1995, Vol. 1B

Paper ID: 95-TP56.02

Procedures for Case-By-Case MACT Determinations

Author(s): K CK Jameson

Annual Conference: 1995, Vol. 1B

Paper ID: 95-TP56.03

Section 112 (g) of the Clean Air Act Requirements for Modification, Construction and Reconstruction of Major Sources of Hazardous Air Pollution

Author(s): K R Kaufman

Annual Conference: 1995, Vol. 1B

Paper ID: 95-TP56.05

A Paint Manufacture's Road to Title V Permitting: Writing the Federally Enforceable Permit Application

Author(s): M J Lennon

Annual Conference: 1995, Vol. 1B

Paper ID: 95-TP57.01

Title V Permit Application Preparation: A View from the Trenches

Author(s): P H Fontana, J A Heredia Annual Conference: 1995, Vol. 1B

Paper ID: 95-TP57.03

Finding the Escape hatch: Use of the Synthetic Minor Provisions in Ohio to Avoid Title V Applicability

Author(s): W D Hayes

Annual Conference: 1995, Vol. 1B

Paper ID: 95-TP57.04

Trends in Precipitation Chemistry Measured at U.S. National Atmospheric Deposition Program/National Trends Network Sites

Author(s): VC Bowersax, JA Lynch, JW Grimm

Annual Conference: 1995, Vol. 3A

Paper ID: 95-TP58.02

Statistical Method for Detection of a Trend in Atmospheric Sulfate

Author(s): JH Schreffler, HM Barnes, Jr. Annual Conference: 1995, Vol. 3A

Paper ID: 95-TP58.03

Measurements of Dry Deposition for Deposition Velocity Model Evaluation

Author(s): PL Finkelstein, JF Clarke, TG Ellestad

Annual Conference: 1995, Vol. 3A

Paper ID: 95-TP58.04

Sound Intensity Tutorial: Theory, Standards and Applications for Determination of Sound Power and Material Properties

Author(s): RJ Peppin, CE Ebbing Annual Conference: 1995, Vol. 3A

Paper ID: 95-TP59.01

A Flexible Noise Model for Highway Traffic: The AAMA Model

Author(s): RL Wayson, AM Edwards, M Martin

Annual Conference: 1995, Vol. 3A

Paper ID: 95-TP59.02

Experience with Measuring Acoustic Intensity of Gas Turbine Packages

Author(s): CT Mortiz, AS Bommer, RD Bruce

Annual Conference: 1995, Vol. 3A

Paper ID: 95-TP59.03

Noise Measurement Standards-A Review of Current Status

Author(s): RA Putnam

Annual Conference: 1995, Vol. 3A

Paper ID: 95-TP59.04

Equipment Measurements for Site Noise Predictions

Author(s): MA Stalano

Annual Conference: 1995, Vol. 3A

Paper ID: 95-TP59.05

Gas Phase Photocatalytic Degradation of Trichloroethylene on Anatase Ti02 Inside a Rib-Roughened Annular Reactor

Author(s): CH Hung, BJ Marinas Annual Conference: 1995, Vol. 4B

Paper ID: 95-TP60P.01

Air Stripping Teams with Photocatalytic Technology in Successful Groundwater Remediation Demonstration

Author(s): JR Kitrell, CW Quinlan, A Gavaskar

Annual Conference: 1995, Vol. 4B

Paper ID: 95-TP60P.02

Photocatalytic Ceramic Membrane Reactors: The Chemists Perspective

Author(s): WA Zeltnr, X Fu, MA Anderson

Annual Conference: 1995, Vol. 4B

Paper ID: 95-TP60P.03

Photocatalytic Oxidation of Gas-Phase BTEX-Contaminated Waste Streams

Author(s): DA Gratson, MR Nimlos, EJ Wolfrum

Annual Conference: 1995, Vol. 4B

Paper ID: 95-TP60P.04

PGA and FTIR Study of Nitroglycerine Photodecomposition on Titania Surface

Author(s): NZ Muradov, AT Raissi, S Jaganathan

Annual Conference: 1995, Vol. 4B

Paper ID: 95-TP60P.05

Solving Widespread Low-Concentration VOC Air pollution Gas Phase Photocalalytic Oxidation Answers the Needs of many Small Business

Author(s): CE Lyons, C Turchi, D Gratson

Annual Conference: 1995, Vol. 4B

Paper ID: 95-TP60P.06

Carbon Monoxide Impacts of Electronic Tolling Operations; Two Conflicting Assessments of a Promising Intelligent Transportation Technology

Author(s): SP Washington Annual Conference: 1995, Vol. 5

Paper ID: 95-TP61.01

ITS-Induced Increases in the Quantity of Travel with Special Reference to Emission Impacts

Author(s): SJ OSTRIA, DH Pickrell Annual Conference: 1995, Vol. 5

Paper ID: 95-TP61.02

Estimated Impact of Free Trade and Electronic Clearance on CO and Particulate Emission from Heavy Vehicles at US-Canada Bridge

Author(s): MC Flanigan, B Wattle Annual Conference: 1995, Vol. 5

Paper ID: 95-TP61.03

Predicting Vehicle Emissions for Automated Highway Systems in ITS

Author(s): MJ Barth

Annual Conference: 1995, Vol. 5

Paper ID: 95-TP61.04

Intelligent Transportation System/Air Quality Research: What We've Learned and Where We're Headed

Author(s): CR Goodman

Annual Conference: 1995, Vol. 5

Paper ID: 95-TP61.05

EPA Method 18 Recovery Efficiencies in the Real World

Author(s): T Grosshandler, B Purser, SJ Eckard

Annual Conference: 1995, Vol. 10

Paper ID: 95-TP62.01

Research and Evaluation of Organic Hazardous Air Pollution Source Emission Test Methods

Author(s): LD Johnson

Annual Conference: 1995, Vol. 10

Paper ID: 95-TP62.02

Laboratory an Field Evaluation of Ion Mobility

Spectroscopy for Measuring Hydrogen Fluoride Emissions

Author(s): VV Harris, J Wilner Annual Conference: 1995, Vol. 10

Paper ID: 95-TP62.03

Progress in Development of a Continuous Monitor for Metal and for CR+6

Author(s): PG Gorman, G Hinshaw Annual Conference: 1995, Vol. 10

Paper ID: 95-TP62.04

The Determination of Total Industry Emissions Using a Statistical Random Sampling Plan-A Case Study

Author(s): CM Wrenn

Annual Conference: 1995, Vol. 10

Paper ID: 95-TP63A.01

Emissions Characterization for Complex Welding, Cutting, Soldering and Brazing Operations

Author(s): BW Jacobs, BD Adams, AL Dean

Annual Conference: 1995, Vol. 10

Paper ID: 95-TP63A.02

VOC Emission rate Prediction Adjustments Based on Field Collected Data from a Furniture Manufacturing Plant

Author(s): R Carter, Jr. GA Marotz, DD Lane

Annual Conference: 1995, Vol. 10

Paper ID: 95-TP63A.03

Revised Emission Factors to Estimate Organic Compound Emissions from Equipment Leaks in the Petroleum Industry

Author(s): DL Epperson, DW Markwordt Annual Conference: 1995, Vol. 10

Paper ID: 95-TP63A.04

Measurement of Hazardous Air Pollutants (HAPs) from the Laser Processing of Navy Ship Materials

Author(s): BE Maisel, P Denney, N Eutizzi

Annual Conference: 1995, Vol. 10

Paper ID: 95-TP63A.05

Developing Predictive Models for Enhanced Monitoring

Author(s): S Evans

Annual Conference: 1995, Vol. 10

Paper ID: 95-TP64.01

Analysis of Beta Gauge PM10 Measurements in Wolfforth, Lubbock County, Texas

Author(s): MJ Estes, B Dornblaser, M King

Annual Conference: 1995, Vol. 10

Paper ID: 95-TP64.02

Ozone Monitoring Strategies for Minimizing Data Loss and Resulting Expected Exceedances

Author(s): R Taylor

Annual Conference: 1995, Vol. 10

Paper ID: 95-TP64.03

Developing a Market-Based Pollution Control Program: How to get Started

Author(s): JM Laents, P Leyden, A Ganguli

Annual Conference: 1995, Vol. 13A

Paper ID: 95-TP65.01

Developing an Interstate Emission Trading System

Author(s): DM Boysen

Annual Conference: 1995, Vol. 13A

Paper ID: 95-TP65.02

RECLAIM Implementation: The First Year Progress Report

Author(s): J Lents, P Leyden, P Mueller Annual Conference: 1995, Vol. 13A

Paper ID: 95-TP65.03

In the RECLAIM Trading Pit-Progress, Problems and Prospect

Author(s): J Margolis, R Langdon Annual Conference: 1995, Vol. 13A

Paper ID: 95-TP65.04

The Benefits and Shortcomings of RECLAIM: The Gas Company's Perspective

Author(s): PE Jonker, WJ Quinn Annual Conference: 1995, Vol. 13A

Paper ID: 95-TP65.05

The Role of a Regional SDR Registry in an Open Market Trading System

Author(s): R Carter

Annual Conference: 1995, Vol. 13A

Paper ID: 95-TP65.06

Surmountable Obstacles to the Adoption of Emissions Trading Programs: The Historical Perspective

Author(s): AP Loeb

Annual Conference: 1995, Vol. 13A

Paper ID: 95-TP65.07

Sequential Extraction Evaluation of Heavy-Metal-Contaminated Soil: How Clean is Clean?

Contaminated Soil: How Clean is Clean?

 $\hbox{Author(s): W Li, RW Peters, MD Brewster}\\$

Annual Conference: 1995, Vol. 14

Paper ID: 95-TP66.01

Scale Up Aspects of the Integrated In Situ Soil Remediation Technology-The Lasagna TM Process

Author(s): PW Sheridan, CJ Athmer, SV Ho

Annual Conference: 1995, Vol. 14

Paper ID: 95-TP66.02

Chemical Oxidation of Volatile and Semi-Volatile Organic Compounds in Soil

Author(s): dd Gates, RL Siegrist, SR Cline

Annual Conference: 1995, Vol. 14

Paper ID: 95-tp66.03

Establishing Design Criteria for a Soil Vapor Extraction System

Author(s): DR Gan, CC Wright Annual Conference: 1995, Vol. 14

Paper ID: 95-TP66.04

Xerox Building 209-2-PHASE Extraction Technology Case Study

Author(s): EN Duffney, PM Tornatore Annual Conference: 1995, Vol. 14

Paper ID: 95-TP66.05

Mixed Oxidant Applications for Groundwater Remediation

Author(s): RE Herrington, WL Bradford Annual Conference: 1995, Vol. 14

Paper ID: 95-TP67.01

Demonstration of Ambersorb 563 Adsorbent Technology for Groundwater Remediation

Author(s): RW Frye, RE Turner, EG Isacoff

Annual Conference: 1995, Vol. 14

Paper ID: 95-TP67.02

Testing of a Benchscale Reverse Osmosis/Coupled Transport System for Treating Contaminated Groundwater

Author(s): KM Hodgson, TR Lunsford, G Panjabi

Annual Conference: 1995, Vol. 14

Paper ID: 95-TP67.03

Effective Economical Liquid/Liquid Extraction of Hydrocarbons from Ground and Process Water Via Macro Porous Polymer

Author(s): AB van der Meer, PE Brook, Jr.

Annual Conference: 1995, Vol. 14

Paper ID: 95-TP67.04

The Use of Zeolite Filter for Removal of Heavy Metals and Radionuclides from hazardous Wastewater and Radioactive Waste

Author(s): D Livshits, JD Paz Annual Conference: 1995, Vol. 14

Paper ID: 95-TP67.05

Laboratory Evaluation of the Potential for In Situ Treatment of Chromate Contaminated Groundwater by Precipitation

Author(s): EC Thorton, MA Beck, CA Jurgensmeier

Annual Conference: 1995, Vol. 14

Paper ID: 95-TP67.06

Thermal Testing of Package for Transport of Radioactive waste

Author(s): JA Koski

Annual Conference: 1995, Vol. 15

Paper ID: 95-TP68.01

Effects of Mixed Waste Simulants on Transportation Packaging Plastic Components

Author(s): PJ Nigrey, TG Dickens Annual Conference: 1995, Vol. 15

Paper ID: 95-TP68.02

Structural Analysis of Radioactive Material Transportation Packages

Author(s): DJ Ammerman Annual Conference: 1995, Vol. 15

Paper ID: 95-TP68.03

Research and Development Program for Transportation Packagings at Sandia National Laboratories

Author(s): GF Hohnstreitr, KB Sorenson Annual Conference: 1995, Vol. 15

Paper ID: 95-TP68.04

Sensitivity Analysis for RADTRAN 4 Input Parameters

Author(s): GS Mills KS Neuhauser Annual Conference: 1995, Vol. 15

Paper ID: 95-TP68.05

Hypermedia: A Tool for Effective Public Communication

Author(s): M Appelbaum, W Tedder Annual Conference: 1995, Vol. 7

Paper ID: 95-TP70.01

Using Computer Assisted Process Facilitation Techniques in Government Sponsored Public Meeting and Working Sessions

Author(s): LD Armstrong, BK Armstrong

Annual Conference: 1995, Vol. 7

Paper ID: 95-TP70.02

Unique Communication Tools and Strategies in Crisis Communications-A Study

Author(s): BD Allison

Annual Conference: 1995, Vol. 7

Paper ID: 95-TP70.03

Elimination of Benzene Using a Compost Biofilter

Author(s): Kardono, ERAllen Annual Conference: 1995, Vol. 4A

Paper ID: 95-TP9C.01

Experimental Study of the Sorptive Slurry Bioscrubber for Acetone Emissions

Author(s): RE Hammervold, TJ Overcamp, BF Smets

Annual Conference: 1995, Vol. 4A

Paper ID: 95-TP9C.02

Hollow Fiber Membrane Bioreactor for Control of Volatile Organic Compound Emissions

Author(s): MS McGrath

Annual Conference: 1995, Vol. 4A

Paper ID: 95-TP9C.03

Biofiltration of Nitrogen Oxides from Fuel Combustion Gas Stream

Author(s): WA Apel, JM Barnes, KB Barrett

Annual Conference: 1995, Vol. 4A

Paper ID: 95-TP9C.04

Nutrient Limitation in a Compost Biofilter Degrading Hexane

Author(s): EF Morgenroth, ED Schroeder, DPY Chang

Annual Conference: 1995, Vol. 4A

Paper ID: 95-TP9C.05

Kinetics of the Degradation of Toluene and Ethylbenzene in a compost based Biofilter

Author(s): J Benitez, J Russo, A Zapata Annual Conference: 1995, Vol. 4A

Paper ID: 95-TP9C.06

Removal of a Pinene from Off-Gases by Biofiltration

Author(s): WA Apel, BD Lee, MR Walton Annual Conference: 1995, Vol. 4A

Paper ID: 95-TP9C.07

The Chimera of a Single "Green" Energy Resource: Balancing the Impacts of Alternative Resources in the Pacific Northwest

Author(s): E Thomas

Annual Conference: 1995, Vol. 6 Paper ID: 95-WA133.01

Faper ID. 93-WA133.01

Power Planning for a Sustainable Society

Author(s): JB Blackburn, SA Lock Annual Conference: 1995, Vol. 6

Paper ID: 95-WA133.02

The Viability of Burning Treated Wood Wastes for Energy; Case Study at a Michigan Wood-Fired Boiler

Author(s): TD Rayburn, BH Ransdell, GE Lipinski

Annual Conference: 1995, Vol. 6 Paper ID: 95-WA133.03

Energy and the Environment: A Changing Paradigm

Author(s): HS Rifai

Annual Conference: 1995, $Vol.\ 6$

Paper ID: 95-WA133.04

New Techniques for Managing and Using Wood Fuel Ash

Author(s): JE Fehrs, CT Donovan Annual Conference: 1995, Vol. 6 Paper ID: 95-WA133.05

What You Say May Be Use Against You: How to Avoid Creating Corporate Environmental "Policies" and "Mission Statements" That Do More Harm Than Good

Author(s): DP McLeod, SD Mathews Annual Conference: 1995, Vol. 6

Paper ID: 95-WA52.01

Risks Remaining After Exhaust Under Section 112®

Author(s): M T Mills

Annual Conference: 1995, Vol. 1A

Paper ID: 95-WA54A.01

Computer Modeling for the Kanawha Valley Hazard Assessment Project

Author(s): D R Freezer

Annual Conference: 1995, Vol. 1A

Paper ID: 95-WA54A.02

A Review of Source Emission Models for Accidental Releases

Author(s): P J Drivas

Annual Conference: 1995, Vol. 1A

Paper ID: 95-WA54A.03

Estimating the Additional Airborne Release Due to Heat of Reaction and Aerosolization When Strong Acids React with Water During a Release

Author(s): S Jain, S B Libicki Annual Conference: 1995, Vol. 1A

Paper ID: 95-WA54B.01

Consequence Analyses of Accidental Releases of Liquefied Petroleum Gas, a Flammable Material, from a Paint Packaging Facility

 $\hbox{Author(s): } K\ Nand$

Annual Conference: 1995, Vol. 1A

Paper ID: 95-WA54B.02

A Study of Low Speed Diffusion in Tropics Using a 3D Lagrangian Dispersion Model

Author(s): S Rao, Z Boybeyi, S Raman Annual Conference: 1995, Vol. 1A Paper ID: 95-WA54B.03

Developments in EPA's Air Dispersion Modeling for Hazardous/Toxic Releases

Author(s): J S Touma

Annual Conference: 1995, Vol. 1A

Paper ID: 95-WA54B.04

Potential to Emit: Approaches for Quantifying Emissions from Laboratory Fume Hoods

Author(s): AJ Anderson, SW Kline Annual Conference: 1995, Vol. 10

Paper ID: 95-WA63B.01

Risk Estimation at a Remote Diesel-Powered Generator Site

Author(s): JD Elias, DN Wylie Annual Conference: 1995, Vol. 10

Paper ID: 95-WA63B.02

An Alternative Monitoring Method for Emissions from Combined Cycle Facilities

Author(s): ET Barfield, SD Finley Annual Conference: 1995, Vol. 10

Paper ID: 95-WA63B.03

Stack Emissions Characteristics of Burning Petroleum, Oil and Lubricants

Author(s): D A Sylvia, A H Shaaban, R Salavani

Annual Conference: 1995, Vol. 1B

Paper ID: 95-WA71.01

Delays in Base Closure Actions and Steps That have Been Taken to Reduce Them

Author(s): H Segal

Annual Conference: 1995, Vol. 1B

Paper ID: 95-WA71.02

Issues in the Development of an Emissions Trading Policy for Base Closure and Realignment

Author(s): K Smith

Annual Conference: 1995, Vol. 1B

Paper ID: 95-WA71.03

Guidance for Military Facility Air Quality Management Preparation for Operation under Title V Permit

Author(s): KJ Hickey, M T Albano Annual Conference: 1995, Vol. 1B

Paper ID: 95-WA71.04

Title V Permit Management Challenges: Hill Air Force Base's Approach

Author(s): D P Marcroft, s Rasmussen, J P Castleberry

Annual Conference: 1995, Vol. 1B

Paper ID: 95-WA71.05

Environmental Measurements and Screening Level Risk Assessment Facility Destruction Pilot Project, Thule AB, Greenland

Author(s): M R Kienbusch, D A Sylvia, C D Bedford

Annual Conference: 1995, Vol. 1B

Paper ID: 95-WA71.06

Atmospheric Dispersion Modeling of Hazardous Air Pollutant Emissions from U.S. DOE Oak Ridge Reservation Facilities

Author(s): M P Humphreys, E M Atkins Annual Conference: 1995, Vol. 1B

Paper ID: 95-WA71.07

Strategic Planning and Coordination Efforts for the EPA for the EPA Baltimore Air Toxics Study

Author(s): D A Sullivan, D J Hlinka, T G Grosch

Annual Conference: 1995, Vol. 1B

Paper ID: 95-WA72.02

The Regional Air Pollutant Inventory Development System 9RAPIDS) --Overview of the Emission Estimation Client Application

Author(s): J E Grisinger, L Bruckman, D Radin

Annual Conference: 1995, Vol. 1B

Paper ID: 95-WA72.03

Issues and Pitfalls in Estimating External Health Costs of Air Pollution form Combustion Sources

Author(s): FW Lipfert, SJ Finch, V Niemeyer

Annual Conference: 1995, Vol. 1B

Paper ID: 95-WA72.04

Open-Path FTIR Measurements at the Fresh Kills Municipal Landfill

Author(s): RH Kagann, WT Walter, JO Zwicker

Annual Conference: 1995, Vol. 2 Paper ID: 95-WA73A.01

Evaluation of OPEN-Path FTIR and UV Air Monitoring for Use at the McColl Superfund Site

Author(s): MR Leo, AE DuBois, RL Kricks

Annual Conference: 1995, Vol. 2

Paper ID: 95-WA73A.02

Generation, Evaluation and Use of High Temperature Reference Spectra in a Combustion Turbine Peaking Unit Environment

Author(s): SH Perry, RJ Kricks, DE Pescatore

Annual Conference: 1995, Vol. 2 Paper ID: 95-WA73A.03

Applications of High Resolution Spectral Data as Applied to the Quantitative Intensity Determination of the 2500 cm-1 Atmospheric Window Band of SO2

Author(s): WJ Lafferty, RL Sams, JM Flaud

Annual Conference: 1995, Vol. 2

Paper ID: 95WA73A.04

Effect of Ambient Blackbody and Other IR Emission Sources on Bistatic Open-Path FTIR Measurements

Author(s): EL Thompson, JW Childers, GM Russwurm

Annual Conference: 1995, Vol. 2 Paper ID: 95-WA73A.05

First-Time Application of Open Path FTIR for a Full-Scale Site Remediation-Lessons Learned

Author(s): RA Paschke, A Thomas, PE Virag

Annual Conference: 1995, Vol. 2 Paper ID: 95-WA73A.06

An Investigation of the Chemistry of Volatile Organic Compounds in the Planetary Boundary Layer Required for Global Climate Modeling

Author(s): WR Stockwell, F Kirchner Annual Conference: 1995, Vol. 3A

Paper ID: 95-WA74A.01

Guy Stewart Callendar and the Increase in Global Carbon Dioxide

Author(s): P Brimblecombe, I Langford Annual Conference: 1995, Vol. 3A

Paper ID: 95-WA74A.02

Terpene Emissions in a Southeastern Pine Forest

Author(s): JC Kim, ER Allen, JD Johnson Annual Conference: 1995, Vol. 3A

Paper ID: 95-WA74A.03

Transport and Achemical Characteristics of Tropospheric Ozone in East Asia

Author(s): Y Zhany, GR Carmichael Annual Conference: 1995, Vol. 3A

Paper ID: 95-WA74A.04

Ambient Aerosol Particle Chemistry at a Mid-Latitude Northern Hemispheric Continental Site and Its Relation to Global Climate Change

Author(s): KL Hahn, JA Ogren, B Bodhaine

Annual Conference: 1995, Vol. 3A

Paper ID: 95-WA74A.05

A Comparison of Three Intersection CO Models on a Partitioned Combined Database

Author(s): LC Malone, PS Liu, CD Cooper

Annual Conference: 1995, Vol. 3B

Paper ID: 95-WA75A.01

Long-Range Transport Modeling: Assessment of MESOPUFF-II Performance

Author(s): RJ Paine, DW Heinold Annual Conference: 1995, Vol. 3B

Paper ID: 95-WA75A.02

Use of Fluid Modeling in Predicting Air Quality Impacts from Complex Mobile Source Configurations

Author(s): WF Hoydysh, WF Dabberdt Annual Conference: 1995, Vol. 3B

Paper ID: 95-WA75A.03

Dispersion of Exhaust from Rooftop Stacks-Comparison of Experimental Data with ASHRAE Dilution Factors

Author(s): PJ Saathoff, T Stathopoulos, MM Petca

Annual Conference: 1995, Vol. 3B

Paper ID: 95-WA75A.04

Equivalent Building Dimensions for ISC2 Modeling Applications

Author(s): RL Petersen, bc Cochran, DE Keen

Annual Conference: 1995, Vol. 3B

Paper ID: 95-WA75A.05

Proposed Revisions to EPA'S Guideline on Air Quality Models

Author(s): CT Coulter, JS Touma Annual Conference: 1995, Vol. 3B

Paper ID: 95-WA75A.07

Investigation of the Causes of Visibility Degradation in the Fraser Valley, British Columbia

Author(s): SA Pryor, RJ Barthelmie Annual Conference: 1995, Vol. 3B

Paper ID: 95-WA76.01

Urban Visibility in the El Paso del Norte Airshed

Author(s): SL Dattner

Annual Conference: 1995, Vol. 3B

Paper ID: 95-WA76.02

Contribution of Emission Source Categories to Winter Light Extinction in Tucson

Author(s): SL Heisler, JG Watson, JC Chow

Annual Conference: 1995, Vol. 3B

Paper ID: 95-WA76.03

A Case Study of Winter in Haze Dallas-Fort Worth

Author(s): IH Tombach, CE McDade Annual Conference: 1995, Vol. 3B

Paper ID: 95-WA76.04

New Wet Electrostatic Precipitator Development for Gaseous Emissions Control

Author(s): DA Lundgren, VA Marple, RA Herrick

Annual Conference: 1995, Vol. 4B

Paper ID: 95-WA77A.01

Cost Effective VOC Emission Control Strategies for Military, Aerospace and Industrial Paint Spray Booth Operations: Combining Improved Ventilation Systems w/Innovative, Low Cost Emission Control Technologies

Author(s): J Ayer, CH Darvin Annual Conference: 1995, Vol. 4B

Paper ID: 95-WA77A.02

A Novel VOC Removal Technology Using Pervaporation Membranes

Author(s): RK Tyagi, AE Fouda, K Jonasson

Annual Conference: 1995, Vol. 4B

Paper ID: 95-WA77A.03

Using Hydrogen Peroxide to Enhance the Thermal Destruction of Dilute Volatile Organic Compounds

Author(s): CL Geiger, A Clausen, CD Cooper

Annual Conference: 1995, Vol. 4B

Paper ID: 95-WA77A.04

A Comparison of Regenerative Thermal Oxidation (RTO) and Regenerative Catalytic Oxidation (RCO) for Control of Wood Drying Emissions

Author(s): KS Brown, LM Lamb Annual Conference: 1995, Vol. 4B

Paper ID: 95-WA77A.05

Chemical Modification of Activated Carbon for Enhanced Removal of Toxic Contaminants

Author(s): cl Mangun, MA Daley, J Economy

Annual Conference: 1995, Vol. 4B

Paper ID: 95-WA77A.06

Study of HCI Removal from Incinerators by NH13 Injection Technology

Author(s): H Bai, CH Chu, HS Yu Annual Conference: 1995, Vol. 4B

Paper ID: 95-WA77A.07

Use of Hybrid Systems for VOC Emission Control

Author(s): RE Kenson

Annual Conference: 1995, Vol. 4B

Paper ID: 95-WA78A.01

Optimizing Activated Carbon Adsorption for VOC/HAP Control

Author(s): DC Ivey

Annual Conference: 1995, Vol. 4B

Paper ID: 95-WA78A.02

Optimized Design and Operating Parameters for Minimizing Emissions During VOC Thermal Oxidation

Author(s): E Donley, D Lewandowski Annual Conference: 1995, Vol. 4B

Paper ID: 95-WA78A.03

Optimizing VOC Removal by Wastewater Odor Control Systems

Author(s): HJ Rafson

Annual Conference: 1995, Vol. 4B

Paper ID: 95-WA78A.04

Optimization and Operating Experience of an Inert Solvent Recovery System

Author(s): NK Jain, JC Enneking Annual Conference: 1995, Vol. 4B

Paper ID: 95-WA78A.05

Thermal Oxidizer Modifications for Enhanced Control of VOC Emissions

Author(s): ML Budin, RL Krutz Annual Conference: 1995, Vol. 4B

Paper ID: 95-WA78A.06

AFBC By-Product as a Flue Gas Desulfurization Sorbent for Circulating Dry Scrubbing

Author(s): JK Neathery, JL Schaefr, JM Stencel

Annual Conference: 1995, Vol. 9

Paper ID: 95-WA80.01

State Regulation of the Beneficial Reuse of Manufacturing Residues: The Developing State Programs

Author(s): WG Wright, Jr

Annual Conference: 1995, Vol. 9

Paper ID: 95-WA80.02

FGD Gypsum Utilization A Strategic Approach to Reuse

Author(s): GJ Venta, RT Hemming Annual Conference: 1995, Vol. 9

Paper ID: 95-WA80.03

Recent Advances in Highvolume, Co-Utilization of Coal Combustion By Products-Part1. FBC/PFA No-Cement Concretes

Author(s): RT Hemming Annual Conference: 1995, Vol. 9

Paper ID: 95-WA80.04

Naval Air Emission Tracking System-NAETS (End User Perspective)

Author(s): TE Pond

Annual Conference: 1995, Vol. 10

Paper ID: 95-WA83A.01

Naval Air Emissions Tracking System Implementation

Author(s): JI Northrup

Annual Conference: 1995, Vol. 10

Paper ID: 95-WA83A.02

Development and Deployment of AQUIS, a PC-Based Emission Inventory Calculator and Air Information Management System

Author(s): AE Smith, J Tschanz, M Monarch

Annual Conference: 1995, Vol. 10

Paper ID: 95-WA83A.03

Past, Present, Future Management of Navy Environmental Programs

Author(s): CS Pennington, S Hathway Annual Conference: 1995, Vol. 10

Paper ID: 95-WA83A.04

DENIX, The DoD Standard BBS

Author(s): RS Markert

Annual Conference: 1995, Vol. 10

Paper ID: 95-WA83A.05

Exploiting Desk-Top GIS for Effective Environmental information Presentation and Communication at U.S. Air Force Bases

Author(s): MA Haeker, S Edwards, B Moore

Annual Conference: 1995, Vol. 10

Paper ID: 95-WA83A.06

New Applications of Pimie/AIR Emissions Estimation and Management Software

Author(s): M Karell, S McGuire Annual Conference: 1995, Vol. 10

Paper ID: 95-WA83A.07

Ozone Exposure Within Motor Vehicles-Results of a Field Study in Cincinnati, Ohio

Author(s): T Johnson, a Pakrasi, A Wisbith

Annual Conference: 1995, Vol. 11

Paper ID: 95-WA84A.02

Health Effects Assessment Applied to Population-Based Environmental Health Surveillance

Author(s): WB Kindzierski, SR Gabos, SE Hrudey

Annual Conference: 1995, Vol. 11

Paper ID: 95-WA84A.03

The Relation of Pulmonary Ventilation and Heart Rate in Leg Work Alone, Arm Work Alone and In Combined Arm and Leg Work

Author(s): WC Adams, JD Shaffrath, WM Ollison

Annual Conference: 1995, Vol. 11

Paper ID: 95WA84A.04

Ambient Ozone Exposure on the Micro Scale

Author(s): TW Sager, AM Gonzales, JP King

Annual Conference: 1995, Vol. 11

Paper ID: 95-WA84A.05

Challenges Encountered During the Initial Development of a Part 70 Permit for a Large U.S. Army Installation

Author(s): BD Adams, BW Jacobs, A L Dean

Annual Conference: 1995, Vol. 12

Paper ID: 95-WA85.01

Approach to Preparation of Title V Air Operating Permits at Army and Air Force Installations

Author(s): MF Szabo

Annual Conference: 1995, Vol. 12

Paper ID: 95-WA85.02

Becoming a Synthetic Minor Source to Avoid a Title V Permit or Future Pollution Control Requirements

Author(s): R Chettri

Annual Conference: 1995, Vol. 12

Paper ID: 95-WA85.04

Emission Estimating Procedures for Non-Traditional and Small Emission Sources at DOD Facilities

Author(s): PC Siebert, ML Aydil, RW Jackson

Annual Conference: 1995, Vol. 12

Paper ID: 95-WA85.05

Experiences with Developing Title V Permits at Federal Facilities

Author(s): LK Isaacs

Annual Conference: 1995, Vol. 12

Paper ID: 95-WA85.06

Implementation of Clean Air Act Compliance Programs for the US Postal Service

Author(s): WJ Mills, J Grover Annual Conference: 1995, Vol. 12

Paper ID: 95-WA85.07

Issues Facing Oil and Gas Production Facilities with Title V

Author(s): JE Hoffmann, RP Menon, HI Jani

Annual Conference: 1995, Vol. 12

Paper ID: 95-WA86.02

Strategies for Evaluating NOx Control Options for Future Outer Continental Shelf Development Projects

Author(s): T Rooney, J Alford, C Arms Annual Conference: 1995, Vol. 12

Paper ID: 95-WA86.04

The Maryland Power Plant Research Program: Power and the Environment

Author(s): J Sherwell

Annual Conference: 1995, Vol. 13A

Paper ID: 95-WA87A.01

Increasing Enforcement's Effectiveness: Managing Legal Action in a Systems Context

Author(s): GA Emison

Annual Conference: 1995, Vol. 13A

Paper ID: 95-WA87A.02

The Developing Art of Risk Assessment and its Role in Shaping Environmental Law and Policy

Author(s): MS McCauley

Annual Conference: 1995, Vol. 13A

Paper ID: 95-WA87A.03

Community Advisory Panels in Consensus Building between the Public and the Chemical Industry

Author(s): PA Bowman, RC Allison Annual Conference: 1995, Vol. 13A

Paper ID: 95-WA87A.04

University Case Studies of Industry and Public Participation in Environmental Regulations

Author(s): RK Bhada, A Ghassemi Annual Conference: 1995, Vol. 13A

Paper ID: 95-WA87A.05

Gaining and Maintaining Public Trust

Author(s): SA Long

Annual Conference: 1995, Vol. 13A

Paper ID: 95-WA87A.06

The Performance of Hazardous Waste Incinerators in Louisiana

Author(s): QP Cannatella, JH Mayes Annual Conference: 1995, Vol. 15

Paper ID: 95-WA89.01

Public Involvement in the RCRA Permitting Process

Author(s): B Qualls, Jr.

Annual Conference: 1995, Vol. 15

Paper ID: 95-WA89.02

The Successful Application of Hydro-Sonic Scrubbers on two Hazardous Waste Incinerators as Exemplified by RCRA Trial Burn Result

Author(s): MEPatton, MM Fontenot Annual Conference: 1995, Vol. 15

Paper ID: 95-WA89.03

Soil Washing-Theory and Implementation Application of Soil Washing at Contaminated Sites

Author(s): TC Keggiere, T Wehner Annual Conference: 1995, Vol. 15

Paper ID: 95-WA90.01

Accessing Surfactant Mixtures for Soil Remediation

Author(s): Cyuan, CT Jafvert Annual Conference: 1995, Vol. 15

Paper ID: 95-WA90.02

The Integration of Innovative Technologies into a Physical-Separation-Based Soil Washing System

Author(s): MA Krstich

Annual Conference: 1995, Vol. 15

Paper ID: 95-WA90.03

Evaluation of an Ultrafiltration Method for Surfactant Recovery and Reuse During In Situ Washing of Contaminated Sites

Author(s): CC Ang, AS Abdul Annual Conference: 1995, Vol. 15

Paper ID: 95-WA90.04

Remediation of Petroleum Contaminated Soil Using In-Situ Soil Washing Case Studies and Strategies

Author(s): SSH Rizvi, HS Nayyar Annual Conference: 1995, Vol. 15

Paper ID: 95-WA90.05

Solvent Extraction of Pesticide Contaminated Soils

Author(s): ES Demessie, E Opatken Annual Conference: 1995, Vol. 15

Paper ID: 95-WA90.06

Innovations in Soil Washing at the Department of Energy Hanford Site

Author(s): MJ Mann

Annual Conference: 1995, Vol. 15

Paper ID: 95-WA90.07

Treatability Study for Separation of Nitrocellulose Fines from Process Wastewater Using Organic Polymers

Author(s): CG Peng, JK Park, BJ Kim Annual Conference: 1995, Vol. 15

Paper ID: 95-WA91.01

Soil Washing and TERRAMET Soil Leaching: A Combined Physical and Chemical Approach to Heavy Metal Contaminated Sites

Author(s): WE Fristad

Annual Conference: 1995, Vol. 15

Paper ID: 95-WA91.02

Oxidation of Methyl-t-Butyl Ether (MTBE) Using Fenton's Reagent

Author(s): CT Chen, AN Tafuri, M Rahman

Annual Conference: 1995, Vol. 15

Paper ID: 95-WA91.03

Pilot-Scale Evaluation of UV Oxidation for Treatment of 2,4-Dinitrotoluene in Propellant Production Wastewater

Author(s): R Sinha, B Hope, D Schupp Annual Conference: 1995, Vol. 15

Paper ID: 95-WA91.04

Applications of Supercritical Fluid Technology to Pollution Prevention and Waste Minimization

Author(s): RJ Turner

Annual Conference: 1995, Vol. 15

Paper ID: 95-WA91.05

Recommended Attributes of a Master's Program in Solid Waste Engineering

Author(s): RI Stessel

Annual Conference: 1995, Vol. 7

Paper ID: 95-WA93.01

Development of a Graduate Integrated Waste Management Course Using the Case Study Approach

Author(s): SA Vigil

Annual Conference: 1995, Vol. 7

Paper ID: 95-WA93.02

Pollution Prevention Engineering Education-A Case History of a Graduate-Level Course

Author(s): A Faschan, B Kura, WR Lea Annual Conference: 1995, Vol. 7

Paper ID: 95-WA93.03

Integrated Environmental Management education

Author(s): J Morlli

Annual Conference: 1995, Vol. 7

Paper ID: 95-WA93.04

Closure of a Maquiladora Facility Approach and Lessons Learned

Author(s): JL Kraus

Annual Conference: 1995, Vol. 8

Paper ID: 95-WA94.01

Environmental Compliance in Mexico

Author(s): MC Stuckey, PR Crespo Annual Conference: 1995, Vol. 8

Paper ID: 95-WA94.02

NAFTA and Environmental Reform in South America

Author(s): TP Wippold

Annual Conference: 1995, Vol. 8

Paper ID: 95-WA94.03

The Impact of NAFTA on Transboundary Environmental Issues Associated with Oil Spill Regulation in Mexico and the United States

Author(s): AW Hosmer

Annual Conference: 1995, Vol. 8

Paper ID: 95-WA94.04

The Need for a Binational Air Pollution Monitoring Network Mexico-USA Border Case

Author(s): H Bravo, R Torres J Annual Conference: 1995, Vol. 8

Paper ID: 95-WA94.05

TVA Response to Climate Challenge-Integrating Greenhouse Gas Reduction into Business Practices

Author(s): JL Golden, MK Hill Annual Conference: 1995, Vol. 12

Paper ID: 95-WP100.01

The Climate Challenge-A Voluntary Program to Manage US Electric Utility Greenhouse Gases

Author(s): JD Kinsman, CV Mathai Annual Conference: 1995, Vol. 12

Paper ID: 95-WP100.02

The Climate Challenge and its Options Workbook An Example of Greenhouse Gas Reduction Cooperation

Author(s): PJ Womeldorff
Annual Conference: 1995, Vol. 12

Paper ID: 95-WP100.03

A Growth Utilities Perspective of Global Climate Change Issues: The Florida Power & Light Experience

Author(s): LG Coakley, N Arsali Annual Conference: 1995, Vol. 12

Paper ID: 95-WP100.04

The Utility Climate Challenge: One Utility's Perspective

Author(s): JM McManus

Annual Conference: 1995, Vol. 12

Paper ID: 95-WP100.05

Addressing the Risks of participation in the Voluntary Climate Challenge Program A Midwestern Coal-based Utility's Perspective

Author(s): DR Weiss, DW Hoffman Annual Conference: 1995, Vol. 12

Paper ID: 95-WP100.06

The challenge of Climate Challenge: A Progress Report on the Potential for Voluntary Industry-Government Partnerships to Reduce Greenhouse Gas Emissions

Author(s): RL Kane, DE Klein, N Desai Annual Conference: 1995, Vol. 12

Paper ID: 95-WP100.07

Title V: Application to a Highly Regulated Refinery

Author(s): SD Comley

Annual Conference: 1995, Vol. 13A

Paper ID: 95-WP101.01

First on the Block: Developing a Title V Permit for a Hawaii refinery

Author(s): DW Tunison

Annual Conference: 1995, Vol. 13A

Paper ID: 95-WP101.02

Title V Tools for San Francisco Bay Area Refineries

 ${\it Author}(s): SB\ Ohshita,\ C\ Seigneur,\ M\ Schillinger$

Annual Conference: 1995, Vol. 13A

Paper ID: 95-WP101.03

Refinery CAAA/Title V Implementation-Lesson Learned

Author(s): DE Isaccson

Annual Conference: 1995, Vol. 13A

Paper ID: 95-WP101.04

Hoe Good are Leakage Rules for Refinery-Pressure Relief Valves?

Author(s): D Wocasek, J Karas Annual Conference: 1995, Vol. 13A

Paper ID: 95-WP101.05

The Costs and Effects of Increased System Maintenance on a Vapor Extraction System (VES) at a Petroleum Storage Tank (PST) Site in Brownsville, Texas

Author(s): JG Wilt, MM Wood Annual Conference: 1995, Vol. 14

Paper ID: 95-WP103.01

A Comparison of Short Term and Extended Pilot Tests for Remedial Systems

Author(s): RJ Falotico, RA Brown, KW Novak

Annual Conference: 1995, Vol. 14

Paper ID: 95-WP103.03

Efficient Utilization if the Nitrogen/Solar-Powered Mobile Product Recovery System

Author(s): H Daftary, WB Grinyer, B Stevens

Annual Conference: 1995, Vol. 14

Paper ID: 95-WP103.04

In -Situ Groundwater Remediation: Pilot Study of the UVB-Vacuum, Vaporizer Well, March Air Force Base, California

Author(s): JL Bannons, JG Sontag, JR Sabol

Annual Conference: 1995, Vol. 14

Paper ID: 95-WP103.05

Application of Air Sparging to a Multi-Acre Site: Large Scale Engineering

Author(s): BS Lucas, SD Bond, WC Leonard

Annual Conference: 1995, Vol. 14

Paper ID: 95-WP103.06

Intrinsic Bioremediation of Gasoline Contaminated Groundwater-A Case Study

Author(s): DT Rogers, SB Wintersteen Annual Conference: 1995, Vol. 14

Paper ID: 95-WP104.01

An Innovative Approach to Estimating Ambient Air Concentrations of Particulate Bound Compounds Resulting from Fugitive Emissions During the Demolition of Contaminated Building

Author(s): SW Golla

Annual Conference: 1995, Vol. 14

Paper ID: 95-WP104.02

Fernald In Situ Constructed Horizontal Soil Containment Barrier Project

Author(s): PJ Petrit, J Walker, DE Ridenour

Annual Conference: 1995, Vol. 14

Paper ID: 95-WP104.03

Clean Up Down Under-Contaminated Site Remediation In Australia

Author(s): R Smith

Annual Conference: 1995, Vol. 14

Paper ID: 95-WP104.05

"We Found Chlordane in the Trailer Park" A Superfund Accelerated Cleanup Model Case Study

Author(s): JD Wyatt, SK Tobin Annual Conference: 1995, Vol. 14

Paper ID: 95-WP104.06

The Cost Effectiveness of Using Field Screening in PCB Remediation

Author(s): R Venkateswar, BS Anderer, S Saraf

Annual Conference: 1995, Vol. 14

Paper ID: 95-WP104.07

Analysis Method Selection for Cost-Effective Monitoring of Natural Attention

Author(s): DB Cozad, DR Caron, GN Doyle

Annual Conference: 1995, Vol. 15

Paper ID: 95-WP105.01

Biodegradative Potential for Natural Attenuation of Hydrocarbons in a Shallow, Unconfined Aquifer Field Test Site

Author(s): RD Stapleton Jr., GS Sayler Annual Conference: 1995, Vol. 15

Paper ID: 95-WP105.02

A Study on the Adsorption Capacity of the Stabilized Land Disposed Wastes

Author(s): JH Hyun, KP Kim Annual Conference: 1995, Vol. 15

Paper ID: 95-WP105.03

Natural Attenuation of Jet Fuel in Groundwater

Author(s): GN Doyle, D Graves, KL Brown

Annual Conference: 1995, Vol. 15

Paper ID: 95-WP105.04

Comparison of Pasteurized/Alkaline Stabilized Biosolids to Aerobic Digested Biosolids

Author(s): EJ Garwell, RJ Murphy Annual Conference: 1995, Vol. 16

Paper ID: 95-WP106.01

Waste Activated Sludge Management at a Dairy Products Facility

Author(s): EC Helmig, T Mikkola, SJ Miller

Annual Conference: 1995, Vol. 16

Paper ID: 95-WP106.02

Conversion of an Existing Multiple Hearth Furnace to a Fluidized Bed It's Not as Strange as it Sounds

Author(s): LA Lundberg, BD Meckel, J Marchese

Annual Conference: 1995, Vol. 16

Paper ID: 95-WP106.03

The Effects of the 503 Sludge Regulations on Sludge Incineration at the Buffalo Sewer Authority's Bird Island STP

Author(s): PA Burrowes, FJ DiMascio Annual Conference: 1995, Vol. 16

Paper ID: 95-WP106.04

Indirect Steam Dryers: The Hypersion Experiences

Author(s): RT Hang, GL Moore, HL Hernandez

Annual Conference: 1995, Vol. 16

Paper ID: 95-WP106.05

Novel and Efficient Municipal Sludge Dryer: Recent Operation Experiences and Air Pollution Control Requirements

Author(s): BA Morgan, GG Balog Annual Conference: 1995, Vol. 16

Paper ID: 95-WP106.06

Reduction of Dioxide/Furan Emissions from Sewage Solid Incinerators with Regenerative Thermal Oxidizers

Author(s): A Baturay, P Dorsey Annual Conference: 1995, Vol. 16

Paper ID: 95-WP106.07

TOXNET: An Online Resource for Environmental and Toxicological Information

Author(s): P Wexler

Annual Conference: 1995, Vol. 7

Paper ID: 95-WP108.01

Partnership for Environmental Technology Education (PETE)

Author(s): PR Dickinson

Annual Conference: 1995, Vol. 7

Paper ID: 95-WP108.02

CD-ROM: An Effective Medium for Getting Air Emissions Data Out to Facilitate Compliance to the Clean Air Act and its Amendments

Author(s): AA Pope, A Blackard, A Andrews

Annual Conference: 1995, Vol. 7

Paper ID: 95-WP108.03

Internet Publishing an Introduction and Discussion of Basics

Author(s): JE Bush

Annual Conference: 1995, Vol. 7

Paper ID: 95-WP108.04

Air Quality Data On-Line for Texas Schools

Author(s): EJ Carmack, M Frech Annual Conference: 1995, Vol. 7

Paper ID: 95-WP108.05

Delivering Environmental Education to a Diverse Client Community

Author(s): FV Bradow, R Gupta Annual Conference: 1995, Vol. 7

Paper ID: 95-WP108.06

Guide to the Environmental Backroads of the Information Highway

Author(s): EA Howe, GK Anderson Annual Conference: 1995, Vol. 7 Paper ID: 95-WP108.07

CURA-A Corporate Environmental Data System for the 90's

Author(s): JC Baguzis, PL Krause, F Partee

Annual Conference: 1995, Vol. 7

Paper ID: 95-WP108.08

Design of Refuse to Energy Facilities in Europe Recent Experiences Involving Air Pollution Control Requirements

Author(s): BA Morgan

Annual Conference: 1995, Vol. 8

Paper ID: 95-WP109.01

Status of Air Pollution Control Efforts in Germany, Hungary and Poland

Author(s): KM Valentin, E Kovacs, R Adamczk

Annual Conference: 1995, Vol. 8

Paper ID: 95-WP109.02

A Comparative Study of Toronto's Air Quality and Selected World Cities

Author(s): P Kiely, D Yap, PK Misra Annual Conference: 1995, Vol. 8

Paper ID: 95-WP109.03

An Integrated Assessment of Pollution Control Technology Options for China's Electricity Generating Sector

Author(s): FES Murray, RT Mitra, PP Rogers

Annual Conference: 1995, Vol. 8 Paper ID: 95-WP109.04

Hybrid Systems of SMES and Fuel Cells

Author(s): XW Wang, M Randall, A Barus

Annual Conference: 1995, Vol. 5 Paper ID: 95-WP136P.01

Potential Impact of Low Emission Energy Conservation Technologies in the U.S. Army

Author(s): PG Stroot, RJ Nemeth, DJ Fournier

Annual Conference: 1995, Vol. 5 Paper ID: 95-WP136P.02

Rankin-Rankin Turbochillr Concept as an Alternative to Absorption Systems

Author(s): KK Kountz, J Wurm Annual Conference: 1995, Vol. 5 Paper ID: 95-WP136P.03

Energy Policy Impact on Implementation of Low 'Emission Technologies at Federal Facilities

Author(s): MJ Savoie, DR Conover, D Hunt

Annual Conference: 1995, Vol. 5 Paper ID: 95-WP136P.04

Department of Defense Natural Gas Cooling Technology Demonstration Program

Author(s): RE Moshage, GL Cler, LP DeBaillie

Annual Conference: 1995, Vol. 5 Paper ID: 95-WP136P.05

IGT's CYCOMm Process for Industrial Waste Stabilization

Author(s): JC Wagner, HA Abbasi, MJ Khinkis

Annual Conference: 1995, Vol. 5 Paper ID: 95-WP136P.06

Design of Canister VOC and Carbonyl Cartridge Source Characterization Sampling for the Summer 1993 Coast Project

Author(s): WJ Hauze, SL Dattner Annual Conference: 1995, Vol. 10 Paper ID: 95-WP139P.01

Design of Measurements for Receptor Modeling for the Dallas-Fort Worth Area

Author(s): ST Heisler

Annual Conference: 1995, Vol. 10 Paper ID: 95-WP139P.02

Receptor Model Evaluation of Fugitive Ink Emissions for a Heatset Offset Press

Author(s): CB Keil, PA Scheff, RA Wadden

Annual Conference: 1995, Vol. 10 Paper ID: 95-WP139P.03

Multivariate Receptor Modeling of Houston-Auto-GC VOC Data

Author(s): RC Henry, CH Spiegelman, SL Dattner

Annual Conference: 1995, Vol. 10 Paper ID: 95-WP139P.04

Literature Review of Nighttime Boundary Layer an Concentration Models under Calm Conditions

Author(s): S Kide, A Kumar Annual Conference: 1995, Vol. 10 Paper ID: 95-WP139P.05

Study on the Control of Particulate Discharged from Tenter Frame in Textile Industry

Author(s): FT Jeng, CT Chang Annual Conference: 1995, Vol. 10 Paper ID: 95-WP139P.06

Can You Afford to Do an Environmental Audit? Update 1995

Author(s): DP McLeod, HVB Kline Annual Conference: 1995, Vol. 6

Paper ID: 95-WP29.01

Phase 1 Environmental Assessments

Author(s): RA Baines

Annual Conference: 1995, Vol. 6

Paper ID: 95-WP29.02

Environmental Audits for Property Transfer

Author(s): JD Phyper

Annual Conference: 1995, Vol. 6

Paper ID: 95-WP29.03

What an Attorney Looks for in a an Environmental

Assessment

Author(s): CM Ward

Annual Conference: 1995, Vol. 6

Paper ID: 95-WP29.04

Evaluating Facility Liabilities Utilizing an Environmental Risk Assessment Survey

Author(s): SM Piatkowski Annual Conference: 1995, Vol. 6 Paper ID: 95-WP29.05

Long Time Measurements for the Evaluation of an Open path FTIR Spectrometer

Author(s): T Lamp, T Floth, K Weber, Weidemann, van Haren

Annual Conference: 1995, Vol. 2 Paper ID: 95-WP73B.01

Stack Emission Measurements in Idaho

Author(s): WT Walter, RH Kagann, CD Wang

Annual Conference: 1995, Vol. 2 Paper ID: 95-WP73B.02

Use of Remote Sensing Technology fro Reduction of Highway Mobile Source Emissions-Review and Study Design

Author(s): MG Smith Annual Conference: 1995, Vol. 2

Paper ID: 95-WP73B.03

Comparison of Automobile Exhaust Measurements between a Remote Sensing Near Infrared Diode Laser System and an On-Board Fourier Transform Infrared Spectrometer

Author(s): HI Schiff, GI Mackay, SD Nadler

Annual Conference: 1995, Vol. 2 Paper ID: 95-WP73B.04

Performance Considerations for Opening Open-Path (OP-FTIR) Continuously in an Industrial Facility

Author(s): JD Tate, P Chauvel, K Taylor Annual Conference: 1995, Vol. 2 Paper ID: 95-WP73B.05

Development of an Aerosol Sampling System for Controlled Relative Humidity Light Scattering of Laboratory and Ambient Aerosols at a Northern hemispheric Mid-Latitude Continental Site

Author(s): CM Carrico, SK Vakakis, MJ Rood

Annual Conference: 1995, Vol. 3A

Paper ID: 95-WP74B.01

Photochemcial Modeling Analysis Under Global Warming Conditions

Author(s): RE Morris, PD Guthries, CA Knopes

Annual Conference: 1995, Vol. 3A

Paper ID: 95-WP74B.02

Changes in Nitrogen Deposition Due to Sea Level Rise in the Coastal Area of Germany-A Numerical Case Study Performed with a Nonhydrostatic Mesoscale Model

Author(s): K H Schlunzen, U Niemeier Annual Conference: 1995, Vol. 3A

Paper ID: 95-WP74B.03

Modeling of Cloud Chemistry in a Mesoscale Model with Semi-Spectral Microphysics

Author(s): N Audiffren, N Chaumerliac Annual Conference: 1995, Vol. 3A

Paper ID: 95-WP74B.04

Airborne Peroxiyacetyl Nitrate (pan) and Peroxypropionyl Nitrate (PPN) Measurements During TRACT 1992

Author(s): RWH Schmidt, F Stenr, U Schurath

Annual Conference: 1995, Vol. 3A

Paper ID: 95-WP74B.05

Observations of Plume Descent Downwind of Buildings

Author(s): JS Scire, LL Schulman, DG Strimaitis

Annual Conference: 1995, Vol. 3B

Paper ID: 95-WP75B.01

An Improved Dispersion Model for Buoyant Plumes in the Convective Boundary Layer

Author(s): JC Weil, LA Corio, RP Brower

Annual Conference: 1995, Vol. 3B

Paper ID: 95-WP75B.02

Objective Method for Estimating Surface Roughness Length for Dispersion Modeling Applications

Author(s): RL Petersen, DK Parce Annual Conference: 1995, Vol. 3B

Paper ID: 95-WP75B.03

Evaluation of Dispersion Modeling Techniques for Horizontal, Titled or Capped Emission Sources

Author(s): JA Westbrook, JA Tarde Annual Conference: 1995, Vol. 3B

Paper ID: 95-WP75B.04

Sensitivity of Carbon Monoxide Concentrations to Key Intersection Input Using the CALINE4 Line Source Dispersion Model

Author(s): CA Velzy

Annual Conference: 1995, Vol. 3B

Paper ID: 95-WP75B.05

NonThermal Plasma processing of VOCs and NOx at LLNL

Author(s): BT Merrit, MC Hslao, BM Penetranite

Annual Conference: 1995, Vol. 4B

Paper ID: 95-WP77B.02

Degradation of BTEX Contamination in Air by Excimer Laser Irradiation

Author(s): C Moralejo, RJ Cody Annual Conference: 1995, Vol. 4B

Paper ID: 95-WP77B.03

An Electron Beam Plasma System for Halogenated Hydrocarbons Vapor Destruction

Author(s): RM Patrick, K Hadidi Annual Conference: 1995, Vol. 4B

Paper ID: 95-WP77B.04

Destruction and Removal of Volatile Organic Compounds (VOCs) from Gas Strams with Dielectric Barrier Discharge Plasmas

Author(s): MB Chang, CC Chang Annual Conference: 1995, Vol. 4B

Paper ID: 95-WP77B.05

Removal of Xylene Trichloroethylene and Their Mixtures from Air Stream by a Pulsed Corona Discharge Induced Plasma Reactor

Author(s): JS Chang, T Yamamoto, H Kohno

Annual Conference: 1995, Vol. 4B

Paper ID: 95-WP77B.06

Optimization of Solvent Recovery Systems Through Improved Carbon Selection and Operating Conditions

Author(s): NR Pollack, L Wang Annual Conference: 1995, Vol. 4B

Paper ID: 95-WP78B.01

Optimized Selection of VOC Emission Control Technologies

Author(s): VS Engleman, LL Hunter Annual Conference: 1995, Vol. 4B

Paper ID: 95-WP78B.02

Selection of a Thermal Oxidation Systems for VOC/HAP Control

Author(s): KR Woodside

Annual Conference: 1995, Vol. 4B

Paper ID: 95-WP78B.03

An Optimal Training Program for VOC Control & Recovery Systems

Author(s): BD Bullough

Annual Conference: 1995, Vol. 4B

Paper ID: 95-WP78B.04

A Cost Effective Method for Controlling VOC Emissions from Batch Pharmaceutical and Specialty Chemical Processes

Author(s): AC Kulas

Annual Conference: 1995, Vol. 4B

Paper ID: 95-WP78B.05

Activated Carbon and the Recovery of Water Soluble VOC's Using Steam Regenerative Techniques

Author(s): R Rook

Annual Conference: 1995, Vol. 4B

Paper ID: 95-WP78B.06

Consideration for Selection of Thermal Abatement Equipment for Optimum Control of VOC Emissions: Case Study at Rockwell International

Author(s): DF Bartz, M Gooch Annual Conference: 1995, Vol. 4B

Paper ID: 95-WP78B.07

A Point Process Approach to Modeling Trends in Tropospheric Ozone Based on Exceedances of a High Threshold

Author(s): AM Gonzales, TS Shively, RL Smith

Annual Conference: 1995, Vol. 10

Paper ID: 95-WP82.01

Assessing Network Optimizations in Houston: Concepts and Measures

Author(s): TW Sager

Annual Conference: 1995, Vol. 10

Paper ID: 95-WP82.02

Lead Concentrations and Emission Factors During Bridge Paint Removal

Author(s): E Lyiegbuniwe, LM Conroy, PA Scheff

Annual Conference: 1995, Vol. 10

Paper ID: 95-WP82.03

On-Site Analysis of Landfill Hazardous Air Pollutants

Author(s): MD Corbridge, AC Ng, GB DeBrou

Annual Conference: 1995, Vol. 10

Paper ID: 95-WP82.04

Arizona Hazardous Air Pollutants Monitoring Program

Author(s): B Zielinska, E Fujita, J Sagebiel

Annual Conference: 1995, Vol. 10

Paper ID: 95-WP82.05

Improved Tritium Monitoring at the Pantex Nuclear Weapons Plant

Author(s): WF Brain, CN Click, DW Griffs

Annual Conference: 1995, Vol. 10

Paper ID: 95-WP82.06

The Achievement of Ultra-High Ambient Air Monitoring Accuracy and Data Recovery Using Aggressive Calibration/Maintenance Procedures

Author(s): LO Durbin, R Ehrhardt

Annual Conference: 1995, Vol. 10

Paper ID: 95-WP82.07

Monitoring for Radionuclides and Chemicals at the U.S. Department of Energy's Pantex Plant in the Texas Panhandle

Author(s): RH Gray, DA McGrath Annual Conference: 1995, Vol. 10

Paper ID: 95-WP82.08

Cumulative Exposures to Air Toxics: Exposure Modeling for Outdoor Sources

Author(s): AS Rosenbaum, MP Ligocki, RD Atkinson

Annual Conference: 1995, Vol. 11

Paper ID: 95-WP84B.01

Toward Greater Realism in Air Toxics Exposure Assessment

Author(s): SR Hayes

Annual Conference: 1995, Vol. 11

Paper ID: 95-WP84B.02

Modeling Environmental Tobacco Smoke in the Home Using Transfer Functions

Author(s): WR Ott, NEKlepeis, P Swiltzer

Annual Conference: 1995, Vol. 11

Paper ID: 95-WP84B.03

Public Involvement in Transportation Control Measures and Trip Reduction Program Is There a Future?

Author(s): W Arenstein, G Facca Annual Conference: 1995, Vol. 13A

Paper ID: 95-WP87B.01

Managing the Avalanche of Process Safety Action Items

Author(s): M Marchlik, N Sahni Annual Conference: 1995, Vol. 1B

Paper ID: 95-WP95.01

Risk Communication for Accidental Release Scenarios

Author(s): T M Slayton, P A Valberg, C B Counihan

Annual Conference: 1995, Vol. 1B

Paper ID: 95-WP95.02

Communicating with the Public Risk Management and Worst Case Scenarios The Kanawha Valley Experience

Author(s): R N Knowles, L C Skaggs Annual Conference: 1995, Vol. 1B

Paper ID: 95-WP95.03

Conceptual Model for Long-Range Emissions Transport During Project MOHAVE

Author(s): RJ Farber, MC Green, TE Hoffer

Annual Conference: 1995, Vol. 3B

Paper ID: 95-WP96.01

Analysis of the Potential for a Coal-Fired Power Plant to Cause Visibility Impairment in a National Park

Author(s): LW Richards, RL Miller Annual Conference: 1995, Vol. 3B

Paper ID: 95-WP96.02

Development of a Micro Inventory for Visibility Impact Assessment at Grand Canyon National Park

Author(s): HW Balentine, RJ Dickson, WR Oliver

Annual Conference: 1995, Vol. 3B

Paper ID: 95-WP96.03

An Examination of the Sources of Visibility Degradation at the Grand Canyon

Author(s): CF Cahill, DR Lawson, DE Schorran

Annual Conference: 1995, Vol. 3B

Paper ID: 95-WP96.04

A Semi-Continuous Method for Monitoring SO2 and Equivalent Particulate Sulfate Down to Low Parts-per-Trillion Concentrations

Author(s): DE Schorran, RE Keislar Annual Conference: 1995, Vol. 3B

Paper ID: 95-WP96.05

Determining Actual TVP Values of Gasoline Sold in Florida

Author(s): CD Cooper, DK Keely Annual Conference: 1995, Vol. 5

Paper ID: 95-WP97A.01

Vehicle Emissions of a Hydrogen-Enriched Compressed Natural Gas

Author(s): RL Hoekstra, CD Cooper, DK Keely

Annual Conference: 1995, Vol. 5 Paper ID: 95-WP97A.03

The Next Generation of Automobile Emissions Reduction: Innovative Control of Off-Cycle Emissions

Author(s): TF Potter, CE Lyons Annual Conference: 1995, Vol. 5

Paper ID: 95-WP97A.04

Evaluation and Implementation of Clean fuel Fleet Vehicles for a Serious-Ozone Nonattainment Area Facility

Author(s): RW Stiles

Annual Conference: 1995, Vol. 5 Paper ID: 95-WP97A.05

Remote Sensing of Employee Vehicle Fleet at the Hughes El Segundo Facility Results from 1993 Field Studies

Author(s): NW Sorbo, EJ Palenm CA Gomez

Annual Conference: 1995, Vol. 5 Paper ID: 95-WP97A.06

Emissions From Two 1993 Ford Taurus Flexible Fuel Vehicles

Author(s): SC Wang, ME Payne, JS Segal

Annual Conference: 1995, Vol. 5 Paper ID: 95-WP97A-07

Reinventing Solid Waste Management The Marine Corps Base, Camp Lejeune: Experience

Author(s): JA Shambaugh Annual Conference: 1995, Vol. 9

Paper ID: 95-WP98.01

Implementation of EO 12856 Across NASA: Issues and Lessons Learned

Author(s): OM Dominguez Annual Conference: 1995, Vol. 9

Paper ID: 95-WP98.02

Pollution Prevention Strategies in USDA

Author(s): GC Sundstrom Annual Conference: 1995, Vol. 9

Paper ID: 95-WP98.03

Robotic High Pressure Water Paint Removal-Aircraft Component Subsystem (ACS)

Author(s): KC O'Connor, RD Bowman Annual Conference: 1995, Vol. 9

Paper ID: 95-WP98.04

Development of Measurements Based Emissions Factors for the Rubber Manufacturing Industry

Author(s): EF Peduto, JF Finn, DA Loudas

Annual Conference: 1995, Vol. 10

Paper ID: 95-WP99.02

Estimating Hexavalent Chromium Emissions from **Electroless Chromium Conversion Coating Process**

Author(s): ML Aydil, RE King Annual Conference: 1995, Vol. 10

Paper ID: 95-WP99.04

Comparison of Alternate Emissions Factors Development Approaches and Actual Measurements for Coal-Fired Electric Utilities

Author(s): GP Behrens, P Chu Annual Conference: 1995, Vol. 10

Paper ID: 95-WP99.05

Approaches for Controlling Windblown Dust Emissions in Southern California Desert Areas

Author(s): MD Zeldin

Annual Conference: 1994, Vol. 1B

Paper ID: 94-FA145.01

Wind Erosion and PM-10 Measurements from Agricultural Fields in Texas and Washington

Author(s): LD Stetler, KE Saxton, DW Fryrear

Annual Conference: 1994, Vol. 1B

Paper ID: 94-FA145.02

An Intensive Field Study of Air Quality, Meteorology and Source Activity at a Western Surface Coal Mine

Author(s): C Cowherd, Jr. GE Muleski, JS Kinsey

Annual Conference: 1994, Vol. 1B

Paper ID: 94-FA145.03

Stabilizing Fugitive Dust from Abandoned Farms in Southern California's West Mojave Desert Antelope Valley

Author(s): R Farber, M Zeldin, D Grantz Annual Conference: 1994, Vol. 1B

Paper ID: 94-FA145.04

Instruments and Techniques for Measuring Windblown Dust and PM10 at Owens Lake, California

Author(s): DM ono, MF Knop, J Parker Annual Conference: 1994, Vol. 1B

Paper ID: 94-FA145.05

The Use of Dispersion and Exposure Modeling to Select Appropriate Emergency Response Actions

Author(s): DW Heinold, DG Smith Annual Conference: 1994, Vol. 5

Paper ID: 94-FA147.01

Evaluating Risks of Industrial Accidents under CEQA

Author(s): C Gemar, J Kiani, M Mills Annual Conference: 1994, Vol. 5 Paper ID: 94-FA147.02

"Operation ContraCosta Shore" Organizing and Conducting a Regional hazardous Materials Field Exercise under SARA Title III

Author(s): EE Bailard

Annual Conference: 1994, Vol. 5

Paper ID: 94-FA147.03

Response to Accidental Releases-An Integral Part of Risk-**Based Emergency Preparedness**

Author(s): JI John, MH Long Annual Conference: 1994, Vol. 5

Paper ID: 94-FA147.04

National Survey of State Accidental Release Programs

Author(s): PW Fisher, JD McIntire, JA Foster

Annual Conference: 1994, Vol. 5

Paper ID: 94-FA147.05

Volatile Organic Compound Emissions from Batch Processes with Changing Reactor Mass Composition

Author(s): DJ Sinauskas, CT Knoebel Annual Conference: 1994, Vol. 4B

Paper ID: 94-FA148.02

Development of an Air Emission Inventory at a Batch Chemical Manufacturing Facility

Author(s): JM Reinhold, AN Patkar Annual Conference: 1994, Vol. 4B

Paper ID: 94-FA148.03

Summary of Options for the Control of Volatile Organic Compounds from the Chemical Process Industry

Author(s): RJ Schwartz, CJ Pereira Annual Conference: 1994, Vol. 4B

Paper ID: 94-FA148.04

The Control of Hazardous Air Pollutants Generated By Pharmaceutical Tablet Manufacturing

Author(s): WJ Fucich, RE Kenson Annual Conference: 1994, Vol. 4B

Paper ID: 94-FA148.05

LEM: Design and Implementation of a Computerized System to Manage Emissions from Batch Pharmaceutical Processes

Author(s): MT Kontaxis, JA Hallden Annual Conference: 1994, Vol. 4B

Paper ID: 94-FA148.06

Experimental Studies of an Ethanol-Air Flow Subjected to UV Light

Author(s): TA Spaeder

Annual Conference: 1994, Vol. 6B

Paper ID: 94-FA149.01

Photocatalytic Oxidation for Point of VOC Abatement in the Microelectronics Fabrication Industry

Author(s): GB Raupp

Annual Conference: 1994, Vol. 6B

Paper ID: 94-FA149.04

Photocatalytic Oxidation Decomposition of CH CN Vapor

Author(s): NN Lichtin, M Avudaithai, E Berman

Annual Conference: 1994, Vol. 6B

Paper ID: 94-FA149.05

Homogeneous Photodegrafation of Pollutants in Air

Author(s): JR Bolton, AS Amiri, JA Buckley

Annual Conference: 1994, Vol. 6B

Paper ID: 94-FA149.06

Field Performance of Woodburning Stoves in Crested Butte during the 1991-92 Heating Season

Author(s): DR Jaasma, CH Stern, MR Champion

Annual Conference: 1994, Vol. 6B

Paper ID: 94-FA150.01

Recent Laboratory and Field Testing of Masonary Heater and Masonry Fireplace Emission

Author(s): N Senf

Annual Conference: 1994, Vol. 6B

Paper ID: 94-FA150.02

A Creative Approach to Efficiency Testing and Efficiency Rating of Gas Fireplaces

Author(s): KR Macintyre

Annual Conference: 1994, Vol. 6B

Paper ID: 94-FA150.03

Spillage of Combustion Byproducts from Woodstoves Operated in Negative Pressure Environments

Author(s): P Tiegs, R Bighouse Annual Conference: 1994, Vol. 6B

Paper ID: 94-FA150.04

Residential Wood Combustion Controls in Washoe County, Nevada

Author(s): AC Goodrich, BL Jennison Annual Conference: 1994, Vol. 6B

Paper ID: 94-FA150.06

Implementing Corrective Action under RCRA: Past, Present and Future

Author(s): CJ Bishop

Annual Conference: 1994, Vol. 8

Paper ID: 94-FA152.01

A Cost Effectiveness Evaluation of Environmental Restoration and Waste Management at the DOE Weapons Complex

Author(s): AM Dixon, JB Smith, RS Raucher

Annual Conference: 1994, Vol. 8

Paper ID: 94-FA152.02

Meeting Requirements for a DOE Environmental Restoration Project The Fernald Strategy

Author(s): RL Vanoss, GM Risenhoover

Annual Conference: 1994, Vol. 8

Paper ID: 94-FA152.03

RCRA and CERCLA Requirements Affecting Cleanup Activities at a Federal Facility Superfund Site

Author(s): TJ Walsh

Annual Conference: 1994, Vol. 8

Paper ID: 94-FA152.04

NPL Delisting Following RCRA Clean Closure: A Case Study

Author(s): GC Sundstrom Annual Conference: 1994, Vol. 8

Paper ID: 94-FA152.05

Environmental Assessments for Industries in Transdanubia, Hungary

Author(s): AR Halloran, TE Higgins Annual Conference: 1994, Vol. 10

Paper ID: 94-FA153.01

Industrial Efficiency and Environmental Reviews of 23 Industrial Plants in Southern Poland

Author(s): JA Mackie, TD Van Epp Annual Conference: 1994, Vol. 10

Paper ID: 94-FA153.02

The New Demand for Industrial Environmental Audit Services in Southeast Asia

Author(s): RS Stvenson, RA Blelloch Annual Conference: 1994, Vol. 10

Paper ID: 94-FA153.03

Incinerator Inputs and Chlorobenzene Outputs

Author(s): AES Green, TL Miller, S Baruch

Annual Conference: 1994, Vol. 11

Paper ID: 94-FA154.01

Recycling Post-Consumer Hospital Wastes

Author(s): P Bartholomew, M Cycyota, L Petrilli

Annual Conference: 1994, Vol. 11

Paper ID: 94-FA154.02

The Contribution of Plastic and Stainless Steel Constituents to Metal Emissions from Medical Waste Incinerators

Author(s): KA Kinney, DPY Chang Annual Conference: 1994, Vol. 11

Paper ID: 94-FA154.03

Use of Oxygen for Superfund Dirt Burners

Author(s): TF McGowan, JJ Santoleri Annual Conference: 1994, Vol. 14B

Paper ID: 94-FA155.01

Incineration at Bayou Bonfouca Remediation Project

Author(s): P Acgarya, P Ives Annual Conference: 1994, Vol. 14B

Paper ID: 94-FA155.02

SITU: Demonstration of the SoilTech Anaerobic Thermal Processor as the Waukegan Harbor Superfund Site

Author(s): MA Johnson, JA Dirgo Annual Conference: 1994, Vol. 14B

Paper ID: 94-FA155.03

Thermal Desorption of Coal Tar Contaminated Soils from Manufactured Gas Plants

Author(s): NA Maxmillian, SA Warren, EF Neuhauser

Annual Conference: 1994, Vol. 14B

Paper ID: 94-FA155.04

Thermal Desorption of Polynucler Aromatic Hydrocarbons and Pesticides Contaminated Soils at an Ohio Superfund Site: A Case Study

Author(s): JH Hutton, AJ Trenini Annual Conference: 1994, Vol. 14B

Paper ID: 94-FA155.05

Remediation of a Central Arizona Pesticide Applicators Airstrip with Thermal Desorption Techniques

Author(s): DJ Miller

Annual Conference: 1994, Vol. 14B

Paper ID: 94-FA155.06

Aerosol Damage Claims: A Lawyer's Perspective

Author(s): RJ Lauer

Annual Conference: 1994, Vol. 1A

Paper ID: 94-MP1.01

Review of the Effects of Ozone and Nitrogen Oxides on Non-Biological Materials

Author(s): DR Murray

Annual Conference: 1994, Vol. 1A

Paper ID: 94-MP1.02

Soiling on Mexican Monuments, the Experience of the Cleaning and its Costs

Author(s): HA Bravo, RG Manuel, TJ Ricardo

Annual Conference: 1994, Vol. 1A

Paper ID: 94-MP1.03

Getting Started with Community Relation Phase1-The Community Relations Assessment

Author(s): S Chaloux

Annual Conference: 1994, Vol. 5

Paper ID: 94-MP10.01

Economic Incentives to Reduce Air Emissions: Trade-Offs Mixed Strategies and Negotiated Rulemakings

Author(s): B Madariaga

Annual Conference: 1994, Vol. 7

Paper ID: 94-MP11.03

The Sulfur Dioxide Emissions Trading Policy: Can This Market Based Approach Work for Other Pollutants?

Author(s): MT Lannan, FT Serjak Annual Conference: 1994, Vol. 7

Paper ID: 94-MP11.04

Examining Potential for Expanded Use of PM-10 Innovative Strategies: Emissions Trading Programs

Author(s): T Gionfriddo, C Norris, C Stoneman

Annual Conference: 1994, Vol. 7

Paper ID: 94-MP11.05

Market-based Environmental Incentives: Comparison of United States and Latin American Programs

Author(s): MW Petraccia, ID Molina, WJ Johnson

Annual Conference: 1994, Vol. 7

Paper ID: 94-MP11.06

Transportation Management for Clean Air and Efficient Growth: On the Road to Progress?

Author(s): MA Replogle

Annual Conference: 1994, Vol. 8

Paper ID: 94-MP12.01

Transportation Control Measures in the Utah Valley Region, Utah-Travel and Emission Impacts and Implementation Issues

Author(s): LL Duvall, B Baranowski Annual Conference: 1994, Vol. 8

Paper ID: 94-MP12.02

The Conformity Challenge: Finding Conformity under the New Transportation/Air Quality Conformity Guidelines

Author(s): BS Austin

Annual Conference: 1994, Vol. 8

Paper ID: 94-MP13.01

Transportation Conformity Final Rule: Summary of Provisions and Their Implications

 $Author(s): KA\ Sargeant$

Annual Conference: 1994, Vol. 8

Paper ID: 94-MP13.02

Landscape Ecology in EMAP: Agricultural Lands as an Example

Author(s): G Hess

Annual Conference: 1994, Vol. 9

Paper ID: 94-MP14.01

Monitoring the Condition of Agricultural Lands in the United States

 $Author(s): CL\ Campbell$

Annual Conference: 1994, Vol. 9

Paper ID: 94-MP14.02

The Forest Initiative Strategy and Initial Results

Author(s): TE Lewis, SA Alexander Annual Conference: 1994, Vol. 9

Paper ID: 94-MP14.03

The Environmental Monitoring and Assessment Program: An Overview with a Focus on Terrestrial Resources

Author(s): WW Heck, AS Heltkamp Annual Conference: 1994, Vol. 9

Paper ID: 94-MP14.04

EMAP Arid Ecosystems A National Initiative to Measure Rangeland Health

Author(s): RP Breckenridge, WG Kepner, DA Mouat

Annual Conference: 1994, Vol. 9

Paper ID: 94-MP14.05

The Use of Data Quality Objectives as a Tool in Total Quality Management and Project Planning

Author(s): RJ Tropp, SF Sleva Annual Conference: 1994, Vol. 10

Paper ID: 94-MP15.01

The Scrooge Model: Cashing in on Environmental Management

Author(s): K Teter

Annual Conference: 1994, Vol. 10

Paper ID: 94-MP15.02

Environmental Reengineering

Author(s): RK Berglund, WB Jacobs Annual Conference: 1994, Vol. 10

Paper ID: 94-MP15.03

Unocal's Corporate Environmental Remediation and Technology Group-Can Better Management Reduce Cost and Liability?

Author(s): JM Beath, BB Sullivan Annual Conference: 1994, Vol. 10

Paper ID: 94-MP15.04

Summer Environmental Institute Promoting Environmental Leadership through a Summer High School Hands-On Program

Author(s): A Ghassemi, RK Bhada Annual Conference: 1994, Vol. 10

Paper ID: 94-MP15.05

The Retrofit of the MWC ROTEB in Rotterdam, Holland with a Modern Flue Gas Cleaning System Including an Activated Char Adsorption Unit

Author(s): HU Hartenstein, M Horvay Annual Conference: 1994, Vol. 12

Paper ID: 94-MP17.01

Case Study-Application of a Dry Scrubber and Fabric Filter to an Existing Refuse Derived Fuel Plant

Author(s): DJ Castro, JS Hadfield Annual Conference: 1994, Vol. 12

Paper ID: 94-MP17.02

Determination of Metal Transfer to the Gas Phase during Municipal Solid Waste Incineration

Author(s): CY Wu, P Biswas Annual Conference: 1994, Vol. 12

Paper ID: 94-MP17.03

Testing of Mercury in Flux Gases A Comparison between American and German Methods Based on the Specified Procedures

Author(s): A Licata, HU Hartenstein, M Klein

Annual Conference: 1994, Vol. 12

Paper ID: 94-MP17.04

What Do We Know About Dioxins and Furans in 1994?

Author(s): DA Drum, F Hasselriis Annual Conference: 1994, Vol. 12

Paper ID: 94-MP17.05

An Economic Alternative to Controlling Acid Gases Mercury and Dioxin from MWCs

Author(s): A Licata, M Babu, LP Nethe Annual Conference: 1994, Vol. 12

Paper ID: 94-MP17.06

Management and Disposal of Hazardous Waste (HW) Generated within Air Force Materiel Command (AFMA)

Author(s): DL Kumar

Annual Conference: 1994, Vol. 12

Paper ID: 94-MP18.01

Navy Wastewater Studies Provide Opportunities for Pollution Prevention Actions

Author(s): AH Nachabe

Annual Conference: 1994, Vol. 12

Paper ID: 94-MP18.02

Collecting Managing and Reporting Department of Navy Solid Waste Information

Author(s): WS Eakes

Annual Conference: 1994, Vol. 12

Paper ID: 94-MP18.03

Results of Implementation of Navy-Developed Hazardous Material Inventory Control System

Author(s): E Payne, JAE Hannum Annual Conference: 1994, Vol. 12

Paper ID: 94-MP18.04

Source Characterization of Municipal Solid Waste

Author(s): JL Brandhorst, MF Snyder Annual Conference: 1994, Vol. 12

Paper ID: 94-MP18.05

Development of Solid Waste Generated Baselines for Ten Air Force Bases

 $\hbox{Author(s): RF Barrett, HN Conkle, JK Raghavan}\\$

Annual Conference: 1994, Vol. 12

Paper ID: 94-MP18.06

Management Plans for Reducing Solid Wastes Disposed to Landfills from Ten Air Force Bases

Author(s): HN Conkle, RE Barrett, KS Barrett

Annual Conference: 1994, Vol. 12

Paper ID: 94-MP18.07

New Development in the Regulation of Hazardous Waste Combustion

Author(s): N Pangaro, DR Roeck Annual Conference: 1994, Vol. 7

Paper ID: 94-MP19.01

Extraction of Led and Chromium from Spent Foundry Sands Using EDTA

Author(s): JS Khare, WM Kocher Annual Conference: 1994, Vol. 14A

Paper ID: 94-MP21.01

Leaching and Recovery of Lead from Contaminated Soil by Use of Metallurgical Techniques

Author(s): JV Rouse, JG Whellock Annual Conference: 1994, Vol. 14A

Paper ID: 94-MP21.02

Pilot Plant Test of a Soil Washing Process Based on a Physical Separation of Contaminants (Warren Spring Laboratory Process)

Author(s): P Wood, M Pearl, S Barber Annual Conference: 1994, Vol. 14A

Paper ID: 94-MP21.04

Full-Scale Soil/Sediment Washing for Volumetric Reduction and Waste Minimization at CERCLA, RCRA, DOE and DOD Hazardous Waste Sites

Author(s): RP Traver, SC O'Brien Annual Conference: 1994, Vol. 14A

Paper ID: 94-MP21.05

The Effect of Contaminant Aging Upon Soil Washing Removal Efficiencies for Lead Contaminated Soils

Author(s): SR Cline, BE Reed, RE Moore Annual Conference: 1994, Vol. 14A

Paper ID: 94-MP21.06

Optimizing the Location of Power Plants to Minimize Visibility Impairment

Author(s): EC Trexler, J Shannon Annual Conference: 1994, Vol. 1A

Paper ID: 94-MP3.01

Innovative Approaches to Resolving Regional Visibility Impairment The Southern Appalachian Mountain Initiative (SAMI)

Author(s): DW Scott, RJ Wayland Annual Conference: 1994, Vol. 1A

Paper ID: 94-MP3.02

Development of an Emissions Inventory for Estimating Visual Air Quality in the Golden Circle

Author(s): RJ Dickson, VM Sadeghi, EL Dickson

Annual Conference: 1994, Vol. 1A

Paper ID: 94-MP3.03

The Grand Canyon Visibility Inventory for Estimating Visual Air Quality in the Goden Circle

Author(s): JT Leary

Annual Conference: 1994, Vol. 1A

Paper ID: 94-MP3.04

U.S. Visibility Trends, 1960-1992, Regional and National

Author(s): RB Husar, JB Elkins, WE Wilson

Annual Conference: 1994, Vol. 1A

Paper ID: 94-MP3.05

Recent Developments in Visibility Research in Canada

Author(s): RM Hoff

Annual Conference: 1994, Vol. 1A

Paper ID: 94-MP3.06

Burning Scrap Tires in Cement Kilns Should We Be Concerned about Hazardous Air Pollutants?

Author(s): WB Kindzierski, NM Fok Annual Conference: 1994, Vol. 4A

Paper ID: 94-MP4.01

CAirTOX An Inter-Media Transfer Model for Assessing Indirect Exposures to Hazardous Air Contaminants

Author(s): TE McKane

Annual Conference: 1994, Vol. 4A

Paper ID: 94-MP4.02

Multimedia Health risk Assessment of Power Plant Emission Summary of Four Case Studies

Author(s): E Constantinou, C Seigneur, L Levin

Annual Conference: 1994, Vol. 4A

Paper ID: 94-MP4.03

Bioconcentration of PCDD/PCDF in fish Tissues: Congener-Specific Sediment-to-Fish Tissue Biocentration Factors

Author(s): JB Stevens

Annual Conference: 1994, Vol. 4A

Paper ID: 94-MP4.04

Pros and Cons of Including Indirect Exposure Assessment in the Human Health Risk Assessments for Permitting of Boilers and Industrial

Author(s): WM Smith, FO Weyman, MT Alberts

Annual Conference: 1994, Vol. 4A

Paper ID: 94-MP4.05

An Innovative Instrument for the Selective Real-Time Analysis of Chlorinated Organic Compound

Contamination

Author(s): WJ Buttner, JR Stetter Annual Conference: 1994, Vol. 3A

Paper ID: 94-MP5.01

Evaluation of a Liquid Spectrophotometer for Ambient Air Hydrogen Chloride Measurements

Author(s): MH Lindsay, M McAfee, RJ Gravely

Annual Conference: 1994, Vol. 3A

Paper ID: 94-MP5.02

Pesticide Volatilization Model Comparison with Field Measurements

Author(s): MT Scholtz, EC Voldner, E Patley

Annual Conference: 1994, Vol. 3A

Paper ID: 94-MP5.03

Measurements of Trace Elements in Oil

Author(s): AC Bell

Annual Conference: 1994, Vol. 4A

Paper ID: 94-MP6.01

Evaluation and Comparison of Methods for Mercury Measurements in Utility Stack Gas

Author(s): BR Nott, KA Huyck, W DeWees

Annual Conference: 1994, Vol. 4A

Paper ID: 94-MP6.02

Interlaboratory and Intralaboratory Variability in the Analysis of Mercury in Coal

Author(s): J Lengyel, MS DeVito, RA Bilonic

Annual Conference: 1994, Vol. 4A

Paper ID: 94-MP6.03

Recent Advances in Validating Carbon Impregnated Filters of Hazardous Air Pollutant Emissions

Author(s): JA Cooper, RG Peltier, CW Tawney

Annual Conference: 1994, Vol. 4A

Paper ID: 94-MP6.04

EPA 301 Validation of Hexavalent Chromium Method for Sources with High Levels of Sulfur Dioxide

Author(s): SC Steinsberger, WG DeWees, AC Bell

Annual Conference: 1994, Vol. 4A

Paper ID: 94-MP6.05

Measurement of Organic Compounds at Low Concentration in Fossil-Fuel Stack Gases

Author(s): KA Huyck, HB Cox, AG Eklund

Annual Conference: 1994, Vol. 4A

Paper ID: 94-MP6.06

Air Permitting in Texas

Author(s): EG Fiesinger

Annual Conference: 1994, Vol. 5

Paper ID: 94-MP7.01

Emission Inventories Preparing for the Title V Operating Permit Program

Author(s): MW Hibbs

Annual Conference: 1994, Vol. 5

Paper ID: 94-MP7.02

Title V Permitting of a Previously Unpermitted Slabstock Polyurethane Foam Facility and Associated Issues

Author(s): KM Eldridge DF McNeil Annual Conference: 1994, Vol. 5

Paper ID: 94-MP7.03

ARACT Compliance Plan for Air Force Plant No. 4 Fort Worth, Texas

Author(s): TL Phillips, SP Evanoff Annual Conference: 1994, Vol. 5

Paper ID: 94-MP8.01

Control Method for Air Emission from Explosive Manufacturing

Author(s): MJ Oliva, MJ Stunder, T Lewis

Annual Conference: 1994, Vol. 5

Paper ID: 94-MP8.02

Source Tests for Measurement of Total and Hexavalent Chromium and PM on Nine Paint Spray Booths at McClellan Air Force Base, California

Author(s): MD High, DA Sylvia, JA Montgomery

Annual Conference: 1994, Vol. 5

Paper ID: 94-MP8.03

Air Force Material Command Paint Removal Program

Author(s): CH Smith

Annual Conference: 1994, Vol. 5

Paper ID: 94-MP8.05

Impact of Environmental Legislation on Aerospace Solvent Use

Author(s): VL Morris

Annual Conference: 1994, Vol. 5

Paper ID: 94-MP8.06

Application of Air Toxic/VOC Emission Control Systems in the Aerospace Industry

Author(s): RE Kenson

Annual Conference: 1994, Vol. 5

Paper ID: 94-MP8.07

Rethinking the RCRA Definition of Solid Waste

Author(s): NB Brown

Annual Conference: 1994, Vol. 7

Paper ID: 94-MP9.01

Implementing Incentives for Environmental Emission Control: A Market Development Perspective

Author(s): KJ Klitzman

Annual Conference: 1994, Vol. 7

Paper ID: 94-MP9.02

Acidic Deposition Versus Greenhouse Warming Impact of Amended Clean Air Act in Southeast U.S.

Author(s): VK Saxena, JD Grovenstein Annual Conference: 1994, Vol. 1B

Paper ID: 94-RA105.01

Cloud Chemistry Varies with Drop Size

Author(s): JL Collett, A Bator, BB Demoz

Annual Conference: 1994, Vol. 1B

Paper ID: 94-RA105.02

Multiphasic Redox Chemistry of Iron in Urban Atmosphere

Author(s): SO Pehkonen, Y Erel, MR Hoffmann

Annual Conference: 1994, Vol. 1B

Paper ID: 94-RA105.03

Monitoring of Air Pollutions: Long Term Intercomparison of DOAS with Conventional Techniques

Author(s): L Martini, R Stadkovic, F Slemr

Annual Conference: 1994, Vol. 1B

Paper ID: 94-RA106.01

Alternate Modeling Techniques to Estimate Emissions from Area and Volume Source Using an Open-Path FTIR

Author(s): A Chadha, RJ Wayland, M Saeger

Annual Conference: 1994, Vol. 1B

Paper ID: 94-RA106.03

A New Lidar Method for the Quantitative Measurement of Atmospheric Backscatter Ratio Profiles

 $\hbox{Author(s): H Moosmuller, TD Wilkerson}\\$

Annual Conference: 1994, Vol. 1B

Paper ID: 94-RA106.04

The Use of Temperature Dependent Calculations of Spectra as References for Open-Path FTIR Measurements

Author(s): RH Kagann, E Ringler Annual Conference: 1994, Vol. 1B

Paper ID: 94-RA106.05

Remote Sensing of Vehicular CO Emissions for Oxyfueled and Non-Oxyfueled Fleets in Clark County, Nevada

Author(s): BJ Johnson, ML Pitchford, HC Ayoub

Annual Conference: 1994, Vol. 1B

Paper ID: 94-RA106.06

MOBILES5A-Based Carbon Monoxide Screening Test for Preliminary Impact Analysis of Highway Projects in Florida

Author(s): CD Cooper, SV Reddy Annual Conference: 1994, Vol. 1B

Paper ID: 94-RA107A.01

A Novel Methodology for Predicting the Impact of Mobile Sources on Air Quality

Author(s): MD Vanderheyden, DS Chadder, AE Davies

Annual Conference: 1994, Vol. 1B

Paper ID: 94-RA107A.02

The Use of Hourly Meteorological Data in CAL3QHC2 to Improve 8-Hour CO Predictions

Author(s): PH Guldberg, TM Tamura Annual Conference: 1994, Vol. 1B

Paper ID: 94-RA107A.03

Assessing the Emissions Impacts of Implementing Intelligent Vehicle and Highway Systems

Author(s): MM Quint, WR Loudon, CR Little

Annual Conference: 1994, Vol. 1B

Paper ID: 94-RA107A.04

Impact of Chloroform Risk Assessment on Regulatory Approval a Proposed Deinking Mill

Author(s): PW Fisher, JL McCulloch, JA Foster

Annual Conference: 1994, Vol. 4B

Paper ID: 94-RA109.01

Results of Federal Part 503 Compliance at Sludge

Incinerators

Author(s): GP Van Durme

Annual Conference: 1994, Vol. 4B

Paper ID: 94-RA109.02

Calculating hazardous Releases of HS or NH from Wastewater Treatment

Author(s): CN Click

Annual Conference: 1994, Vol. 4B

Paper ID: 94-RA109.03

Navigating Through and Complying with the New Standards for Incinerating Sludge

Author(s): ET Barfield, TE Holder, RP Dominak

Annual Conference: 1994, Vol. 4B

Paper ID: 94-RA109.04

Local Capture or Total Enclosure? The Answer is Yes!

Author(s): TK Turner

Annual Conference: 1994, Vol. 6A

Paper ID: 94-RA111.01

Capture Efficiency Test Method Study Conducted by the Can Manufacturers Institute

Author(s): SW Ederton

Annual Conference: 1994, Vol. 6A

Paper ID: 94-RA111.02

Demonstration of Capture and Control Efficiency for a Styrene Emission Source

Author(s): AN Patkar, JM Reinhold, G Henderson

Annual Conference: 1994, Vol. 6A

Paper ID: 94-RA111.03

Permanent Total Enclosure Application to New and Existing Sources

Author(s): BA Bystrom, PF Narong, JS Potocnik

Annual Conference: 1994, Vol. 6A

Paper ID: 94-RA111.05

Add-On VOC Control Options for the Surface Coating Industry

Author(s): ME Lukey, GT Reed Annual Conference: 1994, Vol. 6A

Paper ID: 94-RA111.06

Army Corps of Engineers Strategy for Reducing Air Emissions from Civil Works Painting Operations

Author(s): TD Race

Annual Conference: 1994, Vol. 4B

Paper ID: 94-RA112.01

Management Case Study: Team Building & Leadership in the Elimination of Ozone Depleting Substances

Author(s): TM Meyers, S Patel Annual Conference: 1994, Vol. 4B

Paper ID: 94-RA112.02

Existing and Emerging Destruction Technologies for Ozone **Depleting Substances**

Author(s): AM Kosteltz, K Ram Annual Conference: 1994, Vol. 4B

Paper ID: 94-RA112.03

A New Technology for Odor and Emission Control

Author(s): CM Cayer, B Mass Annual Conference: 1994, Vol. 4B

Paper ID: 94-RA112.04

Temporary Vapor Storage (TVS) Emission Reduction Technology: Case Studies for Retrofit and OEM Applications in the Dry Cleaning Industry

Author(s): JC Hickman, RR Brown Annual Conference: 1994, Vol. 4B

Paper ID: 94-RA112.05

Employer Trip Reduction-Building Consensus Out of Adversity

Author(s): E Miller, DB Burch Annual Conference: 1994, Vol. 4B

Paper ID: 94-RA112.06

Gas-Phase Removal of Formaldehyde with Dielectric Barrier Discharge Plasmas

Author(s): MB Chang, CC Lee Annual Conference: 1994, Vol. 4B

Paper ID: 94-RA112.07

The Potential for Control of Carbon Dioxide Emissions from Integrated Gasification/Combined-Cycle Systems

Author(s): CD Livengood, RD Doctor, JC Molburg

Annual Conference: 1994, Vol. 6A

Paper ID: 94-RA113.01

CO Mitigation Strategies: How Realistic is the Capture and Sequestration Option

Author(s): HJ Herzog

Annual Conference: 1994, Vol. 6A

Paper ID: 94-RA113.02

Comparison of Salient of Alternative CO Recovery Processes

Author(s): JC Molburg, P Timmapuram, RD Doctor

Annual Conference: 1994, Vol. 6A

Paper ID: 94-RA113.03

Carbon Dioxide Disposal in Abandoned Oil and Gas Reservoirs

Author(s): EM Winter, PD Bergman Annual Conference: 1994, Vol. 6A

Paper ID: 94-RA113.04

Microalgal Biomass for the Capture and Reuse of Carbon Dioxide from Combustion Flue Gases

Author(s): LM Brown, KG Zeiler Annual Conference: 1994, Vol. 6A

Paper ID: 94-RA113.05

Carbon Dioxide Recovery and Conversion

Author(s): D Zhou, DA Lange Annual Conference: 1994, Vol. 6A

Paper ID: 94-RA113.06

Laboratory-Scale Investigation of Sorbents for Mercury Control

Author(s): Sj Miller, DL Laudal, R Chang, PD Bergman

Annual Conference: 1994, Vol. 6A

Paper ID: 94-RA114A.01

Design Criteria for Electrostatic Precipitators to Collect Polydisperse Particles

Author(s): C Lu, H Bai, CL Chung Annual Conference: 1994, Vol. 6A

Paper ID: 94-RA114A.02

Characterizing Modifying and Utilizing Particulate Properties to Improve Fine Particle Collection

Author(s): TR Snyder, PV Bush Annual Conference: 1994, Vol. 6A

Paper ID: 94-RA114A.03

Experimental Evaluation of Sorbents for the Capture of Mercury in Flue Gases

Author(s): CD livengood, HS Husang, JM Wu

Annual Conference: 1994, Vol. 6A

Paper ID: 94-RA114A.04

Fine Particulate and Trace Element Control in Wet Electrostatic Precipitators

Author(s): KS Kumar, PL Feldman Annual Conference: 1994, Vol. 6A

Paper ID: 94-RA114A.05

Fine Particle Control Equipment Characteristics and Selection Criteria for the DOE Combustion 2000 Program

Author(s): DJ Helfritch, JD Shenker Annual Conference: 1994, Vol. 6A

Paper ID: 94-RA114A.06

Biofiltration of BTEX Contaminated Gas Streams:

Laboratory Studies

Author(s): LP Seed, RL Corsi Annual Conference: 1994, Vol. 6B

Paper ID: 94-RA115A.01

Biofiltration Control of Volatile Hydrocarbon Emissions: n Butane

Author(s): KER Allen

Annual Conference: 1994, Vol. 6B

Paper ID: 94-RA115A.02

A Simple test to Determine the Applicability of Biofiltration to Waste Gas Treatment

Author(s): SF Chang, MH Togna, JR Blunk

Annual Conference: 1994, Vol. 6B

Paper ID: 94-RA115A.03

Oxidative Destruction of Carbon Disulfide Vapors Using Biofiltration

Author(s): Y Yang, AP Togna, JR Blunk Annual Conference: 1994, Vol. 6B

Paper ID: 94-RA115A.04

Evaluation of the Performance of Trickle Bed Biofilter-Impact of Periodic Removal of Accumulated Biomass

Author(s): GA Sorial, FL Smith, MT Suidan

Annual Conference: 1994, Vol. 6B

Paper ID: 94-RA115A.05

Control of Gasoline Derived Volatile Organic Compounds by Biofiltration

Author(s): RA Zurlinden, JC Lucas, C Carmel

Annual Conference: 1994, Vol. 6B

Paper ID: 94-RA115A.06

Estimation of Risk for Neurotoxicants

Author(s): DW Gaylor, W Slikker, Jr. Annual Conference: 1994, Vol. 9

Paper ID: 94-RA116.01

A Model for Estimating Air Emissions from a Conceptual Soil Washing System

Author(s): SJ Forbes, A Pakrassi, KG Sadler

Annual Conference: 1994, Vol. 9 Paper ID: 94-RA116.02

A Framework for Estimating Prospective Exposure Levels for Less-Than-Lifetime Exposures

Author(s): TK Pierson, RG Hetes Annual Conference: 1994, Vol. 9

Paper ID: 94-RA116.03

Lead in Soils Superfund Analysis: Remediation Increases the Risk

 $\hbox{Author(s): LB $Gratt$}$

Annual Conference: 1994, Vol. 9

Paper ID: 94-RA116.04

Costs of Implementing Virginia's New Aboveground Storage Tank (AST) Regulations

Author(s): FW Koozer

Annual Conference: 1994, Vol. 7 Paper ID: 94-RA118A.01

Discovery and Remediation of 11 Leaking Underground Storage Tanks on a Shopping Center Site in Illinois: A Case History

Author(s): HD Pokorny

Annual Conference: 1994, Vol. 7 Paper ID: 94-RA118A.02

The Acoustic Signal Producted by a Leak in the Floor of an Aboveground Storage Tank

Author(s): EG Eckert, JW Maresca, Jr. Annual Conference: 1994, Vol. 7 Paper ID: 94-RA118A.03

International Environmental Management Standards (ISO 9000's Less Traceable Siblings)

Author(s): J Cascio

Annual Conference: 1994, Vol. 8 Paper ID: 94-RA119A.01

The Environmental Auditing Roundtable's Standards for the Performance of Environmental, Health and Safety Audits

Author(s): WA Yodis, GS Hedstrom Annual Conference: 1994, Vol. 8 Paper ID: 94-RA119A.02

International Standards Organization (ISO) Environmental **Auditing Standards**

Author(s): MP Metzger

Annual Conference: 1994, Vol. 8 Paper ID: 94-RA119A.04

British Standard 7750: The Standard for Environmental Management Systems

Author(s): W Gaskill, S Jackson Annual Conference: 1994, Vol. 8 Paper ID: 94-RA119A.05

Replacement of P-D-680 for Army Ground Vehicle and **Equipment Applications**

Author(s): CH Van Brocklin Annual Conference: 1994, Vol. 11 Paper ID: 94-RA120.01

Aquerous Alkaline Cleaners: An Alternative for Organic Solvents

Author(s): RW Bird

Annual Conference: 1994, Vol. 11

Paper ID: 94-RA120.02

Chemical Paint Stripper Solvent Substitution

Author(s): TD Race, MA Kelly Annual Conference: 1994, Vol. 11 Paper ID: 94-RA120.04

Development and Implementation of Project Wide, Risk Based Sil Alert Levels to Control Off Site Exposures to Fugitive Dust and Air Toxics for The Central Artery/Third harbour Tunnel Project Boston, Massachusetts

Author(s): C Rioux

Annual Conference: 1994, Vol. 10

Paper ID: 94-RA121.01

A Design Phase Noise Control Evaluation for a Public Project and its Impacts on Capital Costs

Author(s): MC Wallace, KH Sangrey Annual Conference: 1994, Vol. 10

Paper ID: 94-RA121.02

Using a Systems Engineering Approach to Design for the **Environment**

Author(s): MV Marchlik, J Costello Annual Conference: 1994, Vol. 10

Paper ID: 94-RA121.03

A Tool for Designing Pollution Prevention into US. Department of Energy Facilities

Author(s): JA Dorsey, EA Raney, JK Whitehead

Annual Conference: 1994, Vol. 10

Paper ID: 94-RA121.04

International Environmental Design Contest for Universities: A Tool for Technology Development and Transfer

Author(s): A Ghassemi, RK Bhada Annual Conference: 1994, Vol. 10

Paper ID: 94-RA121.05

Designing for Eco-Efficient Materials Management

Author(s): J Fiksel

Annual Conference: 1994, Vol. 10

Paper ID: 94-RA121.06

Physical and Methodological Modifications Benefiting Navistar International's Finishing Plant in Springfield, Ohio

Author(s): KH Cote, PL Bradley Annual Conference: 1994, Vol. 11 Paper ID: 94-RA122A.01

Overview of Pollution Prevention Accomplishments at Hanford

Author(s): CJ Chase, EA Raney, JA Engel

Annual Conference: 1994, Vol. 11 Paper ID: 94-RA122A.03

Incineration Alternatives in the Treatment of Medical Waste

Author(s): JW Jordan

Annual Conference: 1994, Vol. 12

Paper ID: 94-RA123A.01

A Comparison of Air Toxics Emissions from Medical Waste Incinerations and Medical Waste Hauling

Author(s): JA Yuhas, AR Borowsky, F Hasselriis

Annual Conference: 1994, Vol. 12 Paper ID: 94-RA123A.02

Composing as a Method of Waste Disposal on Animal Research Farms

Author(s): JD Fry, MC Babas, FP Baylis Annual Conference: 1994, Vol. 12 Paper ID: 94-RA123A.03

A Comparison Life Cycle Risk Assessment of Regulated Medical Waste Incineration and Thermal Treatment

Author(s): KH Jones, CS Konheim Annual Conference: 1994, Vol. 12 Paper ID: 94-RA123A.04

Soil and Groundwater Remediation Using Innovative **Technology**

Author(s): EC Lindjult, JM Tatsavage, KA Fourkarts

Annual Conference: 1994, Vol. 14B

Paper ID: 94-RA125A.01

The Treatment of Pesticide Impacted Soil by Hydrolysis-A Case Study

Author(s): GD Michael

Annual Conference: 1994, Vol. 14B

Paper ID: 94-RA125A.02

Oxidation of a Sorbed Hydrophobic Compound in Soils Using Catalyzed Hydrogen Peroxide

Author(s): PAC Stanton, RJ Watts Annual Conference: 1994, Vol. 14B

Paper ID: 94-RA125A.03

Pilot Testing and Design of an Air Sparging Groundwater Remediation System with Air Sparging Welts Developing Hydraulic Control

Author(s): BD Hammell, JP Bowen, T Neal

Annual Conference: 1994, Vol. 14B

Paper ID: 94-RA125A.04

In Situ Technologies for Remediation of Organic Chemicals-Contaminated Sites: A Critical Review

Author(s): CY Fan, JS Farlow, AN Tafuri Annual Conference: 1994, Vol. 14B

Paper ID: 94-RA126.01

laboratory Evaluation of the SESR Process: Remediation of Fine Textured Soils Contaminated with Organic Materials

Author(s): BD Sparks, FW Meadus Annual Conference: 1994, Vol. 14B

Paper ID: 94-RA126.02

Practical Use of Screening and Design Models for Evaluation of Soil Vapor Extraction Systems

Author(s): JG Morse, R Chaudet Annual Conference: 1994, Vol. 14B

Paper ID: 94-RA126.03

Research Approaches for Accelerated Biodegradation of High Concentrations of Herbicides in Soil

Author(s): RM Zablotowicz, EK Dzantor Annual Conference: 1994, Vol. 14B

Paper ID: 94-RA126.04

Predication of Contaminant Emissions from Soil Vapor Extraction (SVE) Systems

Author(s): DR Gan

Annual Conference: 1994, Vol. 14B

Paper ID: 94-RA126.05

Air Monitoring of a Hazardous Waste Pile at the Rocky Mountain Arsenal

Author(s): M Kutchenreiter, TM Doyle, MA Campo

Annual Conference: 1994, Vol. 15

Paper ID: 94-RA127A.01

The Beneficial Use of Site Specific Meteorological Data in Hazardous Waste Remedial Design Projects

Author(s): MJ Fisher, C Hale Annual Conference: 1994, Vol. 15 Paper ID: 94-RA127A.02

The Applications EPA's Compendia of Toxic Organic and inorganic Methods to Ambient Air Monitoring at Superfund Sites

Author(s): JB Elkins, SF Sleva, TK Moody

Annual Conference: 1994, Vol. 15

Paper ID: 94-RA127A.03

Meting the Objectives of an Air Pathway Assessment (APA) Program at The Bofors/Nobel Superfund Site Issues and Concerns

Author(s): WT Jerry Wineberry, A Meyer, F Pendleton

Annual Conference: 1994, Vol. 15 Paper ID: 94-RA127A.04

Development of Air Action Levels for Superfund Remediation in EPA Region 6

Author(s): RM Griswold, MA Hansen, ST Gilrein

Annual Conference: 1994, Vol. 15 Paper ID: 94-RA127A.05

Air Monitoring and Air Action Levels: A Case Study of the Brio Refining Superfund Site

Author(s): MA Hansen, JC Meyer, TM Forrester

Annual Conference: 1994, Vol. 15 Paper ID: 94-RA127A.06

Air Quality Planning and Control in Beijing China

Author(s): R Sahu, BW Farris, XG Guang Annual Conference: 1994, Vol. 1B

Paper ID: 94-RA134.01

Influence of the Meteorology and Early Morning Organic Gases Concentration in Ozone Formation in the Mexico City Metropolitan Area

Author(s): ME Ruiz, MY Barbiaux, G Sosa

Annual Conference: 1994, Vol. 1B

Paper ID: 94-RA134.02

Evaluation of Three Strategies for Improving Air Quality in Mexico City Using Multi-Attribute Decision Theory

Author(s): ASB Roldan, G Thayer, WR Hardie

Annual Conference: 1994, Vol. 1B

Paper ID: 94-RA134.03

Ozone Transport, In Situ Measurements and Meteorological Analysis: A Case Study

 $\hbox{Author(s): S de Oliveira, E Marques, AM de Albuquerque}$

Annual Conference: 1994, Vol. 1B

Paper ID: 94-RA134.04

Air Quality Assessment of Katowice, Poland

Author(s): DA Sullivan, TG Grosch, DJ Hlinka

Annual Conference: 1994, Vol. 1B

Paper ID: 94-RA135.05

Feasibility Study of In-Situ Bioremediation for PHA Contaminated Soil

Author(s): JS Chen, WJ Maier Annual Conference: 1994, Vol. 13

Paper ID: 94-RA84C.01

Bench-Scale Vitrification of Low-Level Radioactive Waste

Author(s): EF Stine, S Rutherford Annual Conference: 1994, Vol. 13

Paper ID: 94-RA84C.02

Fate of Contaminants and Other Organics during Treatment of Waste by Thermal Desorption

Author(s): SE Shealy, A Groen Annual Conference: 1994, Vol. 13

Paper ID: 94-RA84C.03

Bench Scale Dechlorination of PCB's in a TSA/RCRA/Radioactive Waste

Author(s): SL Hoeffner

Annual Conference: 1994, Vol. 13

Paper ID: 94-RA84C.04

Rendering Heavy Metal Wastes Nonhazardous Using Chemical Additives

Author(s): TM Kabins

Annual Conference: 1994, Vol. 13

Paper ID: 94-RA84C.05

Cold-Start Motor Vehicle Emissions Model

Author(s): SB Shepard, JL Fieber, JP[Cohen

Annual Conference: 1994, Vol. 1B

Paper ID: 94-RP107B.02

Survey on Current Practices in Air Quality Modeling

Author(s): K O'Connor, RG Ireson Annual Conference: 1994, Vol. 1B

Paper ID: 94-RP107B.03

Field Program Design for Aerometric and Traffic Data Collection for the Development of an Improved Intersection Air Quality Model

Author(s): EL Carr, RG Ireson, D Pankratz

Annual Conference: 1994, Vol. 1B

Paper ID: 94-RP107B.04

Concentration Distributions at Urban Intersections-

Sensitivity to Canyon Geometry

Author(s): WG Hoydysh, WF Dabberdt Annual Conference: 1994, Vol. 1B

Paper ID: 94-RP107B.05

Mercury Removal by Wet Limestone FGD System: EPRI HSTC Test Results

Author(s): J Petersen, D Seeger, R Skarupa

Annual Conference: 1994, Vol. 6A

Paper ID: 94-RP114B.01

Control of Trace Metal Species in Combustion Systems

Author(s): JR Morency, PM Lemieux, JV Ryan

Annual Conference: 1994, Vol. 6A

Paper ID: 94-RP114B.02

An Equilibrium Analysis for Reaction of Cadmium with Sorbents in High Temperature Systems

Author(s): TM Owens, P Biswas Annual Conference: 1994, Vol. 6A

Paper ID: 94-RP114B.04

Paper ID: 94-RP114B.05

Controlling Particulate and Opacity Emissions Using a Fabric Filter and Dry Venturi Carbon Feed System at a Wet Process Cement Kiln

 $\hbox{Author(s): RW Jameson, AM Greenberg}$

Annual Conference: 1994, Vol. 6A

Improved Particle Collection in ESPs and Baghouses through the Use of Agglomerating Agents

Author(s): M Durham, J Bastard, T Ebner Annual Conference: 1994, Vol. 6A

Paper ID: 94-RP114B.06

Spatial Distribution of Microbial Populations in Biofilters

Author(s): SJ Ergas, ED Schroeder, DPY Chang

Annual Conference: 1994, Vol. 6B

Paper ID: 94-RP115B.01

A Study on the Response to Shock Loading

Author(s): BC Baltzis, H Androutsopoulou

Annual Conference: 1994, Vol. 6B

Paper ID: 94-RP115B.02

Biological Purification of Waste Gases by Means of Immobilized Bacteria (Monaocultures)

Author(s): K Kirchner, S Wagner, HJ Rehm

Annual Conference: 1994, Vol. 6B

Paper ID: 94-RP115B.03

A Comparative Study of Biofilter and Biotrickling Filter Performance for Isopentane Removal

Author(s): A P Togna, M Singh Annual Conference: 1994, Vol. 6B

Paper ID: 94-RP115B.04

Bench-Scale Evaluation of Air Pollution Control Technology Based on Biological Treatment Process

Author(s): R Kamarthi, RT Willingham Annual Conference: 1994, Vol. 6B

Paper ID: 94-RP115B.05

Use of Bioscrubbing to Control Ethanol Emissions

Author(s): J Croonenberghs, F Varani, PL Fevre

Annual Conference: 1994, Vol. 6B

Paper ID: 94-RP115B.06

Changes in UST and LUST: The Federal Perspective

Author(s): LC Lund

Annual Conference: 1994, Vol. 7

Paper ID: 94-RP118B.01

UST Remediation-Lesson Number One-What Does Not Work

Author(s): JR Worlund

Annual Conference: 1994, Vol. 7

Paper ID: 94-RP118B.02

Storage Tank Options Expand Due to Market Demands

Author(s): W Gever

Annual Conference: 1994, Vol. 7

Paper ID: 94-RP118B.03

The Utilization of State Storage Tank Trust Funds in Commercial Transactions

Author(s): WG Wright, Jr Annual Conference: 1994, Vol. 7

Pager ID: 04 DD119D 04

Paper ID: 94-RP118B.04

ASTM Standard Practice for Environmental Regulatory Compliance Auditing

Author(s): FJ Pritznar, WR Truitt Annual Conference: 1994, Vol. 8 Paper ID: 94-RP119B.01

Comparison of the European and U.S. Approach to Environmental Auditing

Author(s): CJ Keyworth

Annual Conference: 1994, Vol. 8

Paper ID: 94-RP119B.02

Canada's National Environmental Auditing Guidelines

Author(s): MZ Kaiserman Annual Conference: 1994, Vol. 8 Paper ID: 94-RP119B.04

Implementing Pollution Prevention: A Quality Approach to Process Improvements at Federal Facilities

Author(s): TE Welch, JM Jacobs Annual Conference: 1994, Vol. 11 Paper ID: 94-RP122B.01

Pollution Prevention Opportunity Assessment at Hill Air Force Base, Ogden, Utah

Author(s): RA Garland, EA Dalpias, MA Hopkins

Annual Conference: 1994, Vol. 11 Paper ID: 94-RP122B.02

Pollution Preventions Practices at Two CCA Wood Treatment Plants

Author(s): PM Randall, ASC Chen Annual Conference: 1994, Vol. 11 Paper ID: 94-RP122B.04

Waste Management A Balanced Approach

Author(s): JA Dyer, WC Taylor Annual Conference: 1994, Vol. 11 Paper ID: 94-RP122B.05

PP/PE Medical Syringe Recycling System "Sharp Away"

Author(s): D Marrack, D Meyers Annual Conference: 1994, Vol. 12 Paper ID: 94-RP123B.01

Disposal of Medical Wastes

Author(s): RG Hyland, DA Drum, M Bulley

Annual Conference: 1994, Vol. 12 Paper ID: 94-RP123B.02

Medical Waste Disposal Alternatives: Selection and Implementation

Author(s): PJ Senatore

Annual Conference: 1994, Vol. 12 Paper ID: 94-RP123B.03

New Jersey's 1993 Comprehensive Regulated Medical Waste Management Plan

Author(s): RM Confer

Annual Conference: 1994, Vol. 12 Paper ID: 94-RP123B.04

Laboratory Study of the Movement of Trichloroethylene through Clayey Soils by Electroosmosis

Author(s): CJ Athmer, SV Ho, PW Sheridan

Annual Conference: 1994, Vol. 14B

Paper ID: 94-RP125B.01

Application of Pneumatic Fracturing for the Effective removal of Volatile Organic Compounds in Low Permeable Formations

Author(s): ME Cicalese, T King, J Mack Annual Conference: 1994, Vol. 14B

Paper ID: 94-RP125B.02

A Unique Scientific Approach to Gauge the Effectiveness of Site Remediation-DO Process

Author(s): SK Gupta, N Trivedi Annual Conference: 1994, Vol. 14B

Paper ID: 94-RP125B.03

Solvent Extraction of Soils Contaminated with Lead

Author(s): JL Board, ML Davis Annual Conference: 1994, Vol. 14B

Paper ID: 94-RP125B.04

Strategies for Conducting Air Pathway RCRA Facility Investigations

Author(s): RM Kim, GW Siple Annual Conference: 1994, Vol. 15 Paper ID: 94-RP127B.01

A Method for Tracking and Estimating Ongoing Air Risk from Cleanup of Superfund Sites--A Tool for Characterizing Risk during Remediation

Author(s): DG Caniparoli, A Sloan, J Rauscher

Annual Conference: 1994, Vol. 15 Paper ID: 94-RP127B.02

Perimeter Air Monitoring Program for the Interim Remedial Action Activities (IRA) at the Public Service Electric & Gas Company Former Paterson Gas Plant

Author(s): RD Pethrbridge, P Reynolds, J Wood

Annual Conference: 1994, Vol. 15 Paper ID: 94-RP127B.03

Assessment of Air Impacts form Remedial Activities at a Superfund Site-Emissions Estimation and Modeling Methodology

Author(s): PG Diosey, PW Frillici Annual Conference: 1994, Vol. 15 Paper ID: 94-RP127B.04

The Use of Health Risk Assessment Methodologies in Conjunction with Vadose Zone Modeling to Determine Shut-Off Levels for a Vapor Extraction System

Author(s): WM Smith, JW Pelletier, WA Mosley

Annual Conference: 1994, Vol. 15 Paper ID: 94-RP127B.05

Sampling and Analytical Methods to Minimize VOC Losses from Soil Samples

 $Author(s): BM\ Eklund$

Annual Conference: 1994, Vol. 15 Paper ID: 94-RP127B.06

Ambient Air Concentrations of VOCs Semivolatiles and Metals from Land Treatment of Petroleum Refinery Wastes

Author(s): EC Yost, JP Borovsky, AG Foremen

Annual Conference: 1994, Vol. 15

Paper ID: 94-RP127B.07

Speciation of Nickel Emission from Oil-Fired Utility Boilers

Author(s): JR Hone, BT O'Neil Annual Conference: 1994, Vol. 4B Paper ID: 94-RP130.01

Measurement of Radionuclide Inputs and Emissions at Two Oil-Fired Boilers and Two Gas-Fired Boilers

Author(s): DV Kumm, BT O'Neill Annual Conference: 1994, Vol. 4B

Paper ID: 94-RP130.02

Hazardous Air Pollutants Emission from Natural Gas-Fired Utility Boilers

Author(s): BA Fangmeier, MD McDaniel, BT O'Neil

Annual Conference: 1994, Vol. 4B

Paper ID: 94-RP130.03

Evaluation of Air Toxic Emissions and Impacts from an Urban Wood Waste to Energy Facility

Author(s): ME Guski, DT Raczynski Annual Conference: 1994, Vol. 4B

Paper ID: 94-RP130.04

Air Toxics Emissions from Two Wood and RDF Fired Fluidized Bed Combustors

Author(s): SJ Klafka, DR Welder Annual Conference: 1994, Vol. 4B

Paper ID: 94-RP130.05

Staged Combustion Burner for Low NOx Emission without FGR

Author(s): JM Quiel

Annual Conference: 1994, Vol. 6B

Paper ID: 94RP-131.01

Evaluation of the Chiyida CT-121 Flue Gas Desulfurization System at Georgia Power's

Author(s): IG Pearl, DP Burford Annual Conference: 1994, Vol. 6B

Paper ID: 94-RP131.02

Simultaneous Reduction of Sox, NOx Mercury and VOCs from Combustion and Incineration Sources Using the GE-Mitsui-BF Activated Coke Process

Author(s): K Tsuji, I Shiraishi, DG Olson Annual Conference: 1994, Vol. 6B

Paper ID: 94-RP131.03

Results of Full-Scale Utility FGD SO Removal Upgrade Testing

Author(s): JL Murphy, GM Blythe Annual Conference: 1994, Vol. 6B

Paper ID: 94-RP131.04

Investigation on the Increase of Desulphurization Efficiency through the Addition of Additives to Sorbents at High Temperatures

Author(s): J Hamidovic, Dcemalovic, Z Kukric

Annual Conference: 1994, Vol. 6B

Paper ID: 94-RP131.05

Camet ST Metal Monolith Catalyst for NOx Emission Control

Author(s): LJ Czarnecki, C Libanati, JS Rieck

Annual Conference: 1994, Vol. 6B

Paper ID: 94-RP131.06

Use of NaCIO/NaOH for the Wet Scrubbing Combined Sox/NOx Removal System

Author(s): J Chu, TW Chien Annual Conference: 1994, Vol. 6B

Paper ID: 94-RP131.07

Gas Coalfiring in Stiker Fired Boilers at the Painesville, Ohio Power Plant

Author(s): WL Kinney, K Gummuluri, EE Berkau

Annual Conference: 1994, Vol. 6B

Paper ID: 94-RP131.08

Auto Dismantler and Recycler Facilities: Storm Water Pollution, Prevention and Regulatory Policy

Author(s): X Swanikannu, MK Stenstrom Annual Conference: 1994, Vol. 10

Paper ID: 94-RP132.01

Industrial Storm Water Pollution Prevention Plans: Considerations for Designing an Effective Employee Training Program

Author(s): NE Gardiner

Annual Conference: 1994, Vol. 10

Paper ID: 94-RP132.02

Controlling Pollutants in Storm Water Runoff Associated with Industrial Activities: Pollution Prevention Approaches by Municipal Programs in California

Author(s): LD Duke

Annual Conference: 1994, Vol. 10

Paper ID: 94-RP132.03

Cost-Effectiveness Storm Water Pollution Prevention Measures

Author(s): LE Molander

Annual Conference: 1994, Vol. 10

Paper ID: 94-RP132.04

Risk Estimation and Verification at a Fuel Oil Spill Site

Author(s): JD Elias, A Yassi, DN Wylie Annual Conference: 1994, Vol. 9

Paper ID: 94-RP133.01

Development of Action Level for PCP-Contaminated Soil Using VIP Model

Author(s): CG Peng, MA Deady Annual Conference: 1994, Vol. 9

Paper ID: 94-RP133.02

Using the New Texas Risk Reduction Standards to Establish Site Remediation Standards

Author(s): JA Zupan

Annual Conference: 1994, Vol. 9

Paper ID: 94-RP133.03

Risk-Based Remediation of Pesticide Contamination

Author(s): GC Sundstrom Annual Conference: 1994, Vol. 9

Paper ID: 94-RP133.04

Santa Barbara Travel Model for Mobile Source Emissions Analysis

Author(s): ML Outwater

Annual Conference: 1994, Vol. 8

Paper ID: 94-RP136.01

The Employer Trip Reduction Program of Houston, Texas

Author(s): GD Graham

Annual Conference: 1994, Vol. 8

Paper ID: 94-RP136.02

Process Modification and Innovative Technologies for Pollution Prevention

Author(s): LA Lucarelli

Annual Conference: 1994, Vol. 11

Paper ID: 94-RP137.01

Waste Minimization in Process Development

Author(s): JJ Grant, KL Mulholland Annual Conference: 1994, Vol. 11

Paper ID: 94-RP137.02

The Use of Supercritical Carbon Dioxide as an Alternative for Chlorofluorocarbon (CFC) Solvents in Precision Parts Cleaning Application

Author(s): WE McGovern, JM Moses, DC Weber

Annual Conference: 1994, Vol. 11

Paper ID: 94-RP137.03

Combining Pollution Prevention and Energy Conservation at Small Manufacturing Plants

Author(s): HW Edwards, MF Kostrzewa Annual Conference: 1994, Vol. 11

Paper ID: 94-RP137.04

Demonstration of Water-Based Platen Adhesives for Garment Screen Printers

Author(s): GW Deatherage, M Kosusko Annual Conference: 1994, Vol. 11

Paper ID: 94-RP137.05

Evaluation of Innovative Ink Feed Systems for the Flexographic and Gravure Printing Industries

Author(s): GW Deatherage, CM Nunez Annual Conference: 1994, Vol. 11

Paper ID: 94-RP137.06

Utilization of Ultrafiltration to Perform In-Process Recycling of Aqueous Phosphating/Degreasing Solution

Author(s): TC Lindsey, PM Randall, AG Ocker

Annual Conference: 1994, Vol. 11

Paper ID: 94-RP137.07

Making Pollution Prevention Work in Tunisia and Chile

Author(s): JD Westfield, JD Gallup Annual Conference: 1994, Vol. 10

Paper ID: 94-RP138.01

A Comprehensive Approach to Industrial Pollution Management (A Case in the Philippines)

Author(s): F Rooyani

Annual Conference: 1994, Vol. 10

Paper ID: 94-RP138.02

Solution Alternatives to Phosphogypsum Resulting from the Wet Phosphoric Acid Production Case Study: Technical and Economical Analysis of Reuse Options of Phosphogypsum in Peru

Author(s): SM Valdivia, O Leidinger, O Rentz

Annual Conference: 1994, Vol. 10

Paper ID: 94-RP138.03

Economical and Ecological Aspects of the Implementation of Advanced Technologies in Steel Shops of Eastern Europe and Russia

Author(s): H Piichert, T Penkuhn, O Rentz

Annual Conference: 1994, Vol. 10

Paper ID: 94-RP138.04

Recycling of Plastic Packaging in Western and Eastern Europe

Author(s): MR Nicolai, O Rentz Annual Conference: 1994, Vol. 10

Paper ID: 94-RP138.05

From By-Product to Building Product Autoclaved Cellular Concrete

Author(s): DK Odor

Annual Conference: 1994, Vol. 10

Paper ID: 94-RP139.01

The Use of Non-Toxic Spent Foundry Sand in Controlled, Low-Strength Materials in Ohio

Author(s): KL Stern, HJ Stone, D Duritsch

Annual Conference: 1994, Vol. 10

Paper ID: 94-RP139.02

FGD BY-Product Management Strategy for a Coal Fired Generating Station

Author(s): DW Armour, JS Montygomery, DK Mitchell

Annual Conference: 1994, Vol. 10

Paper ID: 94-RP139.03

Construction Application for FGD By-Products

Author(s): D Saylak, G Sorensen, DW Golden

Annual Conference: 1994, Vol. 10

Paper ID: 94-RP139.04

Advanced Coal Technology By-Products: Long-Term Results from Landfill Test Cells and Their Implications for Reuse or Disposal Applications

Author(s): A Weinberg, J Harness Annual Conference: 1994, Vol. 10

Paper ID: 94-RP139.05

Regulatory Considerations of Inorganics in Coal Ash Leachates

Author(s): JF Cerbus, S Landsberger, S Larson, MJ Savoie

Annual Conference: 1994, Vol. 10

Paper ID: 94-RP139.06

Environmental and Physical Parameters of High Ash Content Autoclaved Cellular Concrete Block

Author(s): RD Neufeld, L Vallejo, W Hu, M Latona C Carson,

C Kelly

Annual Conference: 1994, Vol. 10

Paper ID: 94-RP139.07

Computer Supported Evaluation of Criteria for Industrial Waste Landfill Site Selection

Author(s): R Olbina, D Dolnicar, M Vrtacnik

Annual Conference: 1994, Vol. 12

Paper ID: 94-RP140.01

Design Implications of the In-Ground Digester

Author(s): RI Stessel, RJ Murphy

Annual Conference: 1994, Vol. 12

Paper ID: 94-RP140.02

Landfill Reclamation-Potential for Recycling/Reuse and Results of the Collier County MITE Demonstration

Author(s): L Hitchens

Annual Conference: 1994, Vol. 12

Paper ID: 94-RP140.03

Evaluation of Leakage Rates in Geomembrane Double Liner Systems

Author(s): RJ Murphy, JA Borgmeyer, AM Saleh

Annual Conference: 1994, Vol. 12

Paper ID: 94-RP140.04

Trial Burn Fault Tree Analysis

Author(s): B Huettenhain, WS Dodge Annual Conference: 1994, Vol. 13

Paper ID: 94-RP141.01

Predictions of Non-Ideal Behavior of Arsenic and Lead in Si-Al-Ca-Fe-Na-Slag: Implications for Emissions

Author(s): F Watts, HM Greene, TJ Overcamp

Annual Conference: 1994, Vol. 13

Paper ID: 94-RP141.02

Control of Mercury Emissions from Hazardous Waste Incineration

Author(s): GJ Carroll, RC Thurnau, DJ Fournier

Annual Conference: 1994, Vol. 13

Paper ID: 94-RP141.03

Alternate Method of Monitoring for Metal Emissions Based Upon Metal Behavior

Author(s): CJWahlquist

Annual Conference: 1994, Vol. 13

Paper ID: 94-RP141.04

Volatilization of Arsenic and Lead from Incinerator Slags

Author(s): DLFoffman, BA Striebig, F Watts

Annual Conference: 1994, Vol. 13

Paper ID: 94-RP141.05

Volatilization of Arsenic from a Contaminated Soil

Author(s): DB Gray, F Watts, TJ Overcamp

Annual Conference: 1994, Vol. 13

Paper ID: 94-RP141.06

A Condensational Growth Particle Scrubber for Fine Particle Emission Control

Author(s): J Sun, BYH Liu, PH McMurry

Annual Conference: 1994, Vol. 13

Paper ID: 94-RP141.07

A New Paradigan for Economically Sustainable Risk Reduction

Author(s): MS Parr

Annual Conference: 1994, Vol. 15

Paper ID: 94-RP142.01

The TI Waiver-Progress Toward a Pragmatic Cleanup Policy

Author(s): K Pointek, D Livesay Annual Conference: 1994, Vol. 15

Paper ID: 94-RP142.03

Nondestructive Remote Sensing of Hazardous Waste Sites

Author(s): GJ Weil, RJ Graf Annual Conference: 1994, Vol. 14B

Paper ID: 94-RP143.01

Analysis of Environmental Samples for Their PCB Content

Author(s): OJ Vetter, Y Ding Annual Conference: 1994, Vol. 14B

Paper ID: 94-RP143.02

Use of Passive Soil Gas Surveys to Characterize Sites Contaminated with Volatile and Semi-Volatile Organic Compounds: A Case Study

Author(s): GC Weeks

Annual Conference: 1994, Vol. 14B

Paper ID: 94-RP143.03

Application of Cone Penetrometer Technology in Hydrogeological Investigations at the Savannah River Site (SRS) South Carolina

Author(s): RS Van Pelt, J Rossabi, JE Jordan, BB Looney

Annual Conference: 1994, Vol. 14B

Paper ID: 94-RP143.04

Development of an Enzyme Immunoassay Based Field Screening System for the Detection of RDX in Soil and Water

Author(s): GB Teaney, RT Hudak Annual Conference: 1994, Vol. 14B

Paper ID: 94-RP143.05

Site Evaluation by Enzyme Immunoassay: An Effective and Advantageous Method of Determining BTEX Contamination

Author(s): RT Hudak, JM Melby, JW Stave

Annual Conference: 1994, Vol. 14B

Paper ID: 94-RP143.06

Use of the Integrated Real Time Approach (IRTA) to Achieve Rapid Site Characterization

Author(s): SB Gelb, MF Luperi, TJ Lusardi, TR Morgan

Annual Conference: 1994, Vol. 14B

Paper ID: 94-RP143.07

Effect of Tall Oil Fatty Acids on the Bioremediation of Polycyclic Aromatic Hydrocarbons in Soil

Author(s): GB and BD McGinnis Annual Conference: 1994, Vol. 14B

Paper ID: 94-RP144.01

Effect of Fungal Composting on the Degradation of PAHs in Coal Tar Contaminated Soils

Author(s): RV Rajan, M Ruppel, D Li, J Nye, RF Hickey

Annual Conference: 1994, Vol. 14B

Paper ID: 94-RP144.02

Treatment of Manufactured Gas Plant Site Groundwaters in a Biological Fluidized Bed Reactor

Author(s): A Sunday, V Groshko, D Wagner

Annual Conference: 1994, Vol. 14B

Paper ID: 94-RP144.03

Slurry Phase Biological Treatment of Polycyclic Aromatic Hydrocarbons in Wood Preserving Wastes

Author(s): DE Jerger, PM Woodhull Annual Conference: 1994, Vol. 14B

Paper ID: 94-RP144.04

Air Pollution and the Texas-Mexico Border: Recent Research Initiatives

Author(s): MMA Pons, AA Miller Annual Conference: 1994, Vol. 7 Paper ID: 94-TA195.01P

Temporal and Spatial Variations of PM 10 Aerosol in the Imperial Valley Mexicali Air Quality Study

Author(s): Z Lu, J Chow, J Watson Annual Conference: 1994, Vol. 7 Paper ID: 94-TA195.02P

Innovations in Binational Management of the Border Environmental The Case of Air Quality in El Pasc del Norte

Author(s): CJ Kennedy

Annual Conference: 1994, Vol. 7

Paper ID: 94-TA195.03P

A Solidification Mix Design Test Program for the LDI Superfund Site Remediation

Author(s): RH Kappler, J Brannigan Annual Conference: 1994, Vol. 14A

Paper ID: 94-TA22.01

Comparison of U.S. and Foreign Text Protocols on Stabilized Hazardous Wastes

Author(s): JR Conner, JM Huffman Annual Conference: 1994, Vol. 14A

Paper ID: 94-TA22.02

In situ Stabilization of Metals-Contaminated Soil near a Smelter: An Ecological Remedial of a Superfund Site

Author(s): JA Oyler

Annual Conference: 1994, Vol. 14A

Paper ID: 94-TA22.03

Neutralization and Solidification of Acidic Sludge Tar and Dredged Bay Mud

Author(s): PR Lear, S Renner Annual Conference: 1994, Vol. 14A

Paper ID: 94-TA22.04

Author(s): WT Chan, F Alperin, HH Yuan Annual Conference: 1994, Vol. 14A

Paper ID: 94-TA22.05

Assessment and Cleanup of Soils Using In Situ Stabilization at a Manufactured Gas Plant Site

Author(s): JG Morse, D Dennis Annual Conference: 1994, Vol. 14A

Paper ID: 94-TA220.6

Enhanced Version of TOXST

Author(s): DA Sullivan, D Guinnup Annual Conference: 1994, Vol. 1A

Paper ID: 94-TA23.01

Development and Training of Computationally Efficient Versions of the Urban Airshed Models

Author(s): PD Guthrie, G Yarwood, J Morgan

Annual Conference: 1994, Vol. 1A

Paper ID: 94-TA23.02

Wind Tunnel Determined Building Dimensions for Modeling Combustion Turbines with ISC

Author(s): RL Petersen, BC Cochran, R Dunk

Annual Conference: 1994, Vol. 1A

Paper ID: 94-TA23.03

AERMOD: A Dispersion Model for Industrial Source Applications

 $\hbox{Author(s): SG Perry, AJ Cimorelli, RF Lee}\\$

Annual Conference: 1994, Vol. 1A

Paper ID: 94-TA23.04

Improvements in Indirect Exposure Assessment Modeling A Model for Estimating Air Concentrations and Deposition

Author(s): DB Schwede, JS Scire Annual Conference: 1994, Vol. 1A

Paper ID: 94-TA23.05

Evaluation of Parameterization for Pollutant Transport and Dispersion in an Urban Street Canyon Using a Three-Dimensional Dynamic Flow Model

Author(s): IY Lee, JD Shannon, HM Park Annual Conference: 1994, Vol. 1A

Paper ID: 94-TA23.06

The Kodak Park Meteorological Data Collection and Management Network

Author(s): CL Riggall

Annual Conference: 1994, Vol. 1A

Paper ID: 94-TA23.07

Project MOHAVE Aerosol Data Quality

Author(s): MC Green

Annual Conference: 1994, Vol. 1A

Paper ID: 94-TA24.01

Aerosol Data Validation for the 1992-93 Tucson Urban Haze Study

Author(s): JG Watson, JC Chow, EM Fujita

Annual Conference: 1994, Vol. 1A

Paper ID: 94-TA24.02

Effectiveness of Smokeless Ashtrays

Author(s): DA Wampler, A Litvak, SM Leiden

Annual Conference: 1994, $Vol.\ 2$

Paper ID: 94-TA25A.01

Residential Washing Machines as Sources of Indoor Air Pollution? Chloroform Formation, Mass Transfer and Emission Dynamics

Author(s): J Shepherd, J Kemp, RL Corsi

Annual Conference: 1994, Vol. 2

Paper ID: 94-TA25A.02

Assessment and Control of Air Pollutants within a Large Office Building A Case Study

Author(s): a Kasprak, JW Skrabak, WF Allen

Annual Conference: 1994, Vol. 2

Paper ID: 94-TA25A.03

The Application of Pollution Prevention to Reduce Indoor Air Emissions from Office Equipment and from Composite Wood Materials

Author(s): CM Northeim, KW Leovic, EM Shaver

Annual Conference: 1994, Vol. 2

Paper ID: 94-TA25A.04

Bioaerosol Emission Factors for Waste Handling and Laundry Areas in an Urban Hospital

Author(s): RA Wadden, LT Curtis, PA Scheff

Annual Conference: 1994, Vol. 2

Paper ID: 94-TA25B.01

Removal of Sulfur Dioxide from Flue Gas of Incineration Facilities by Dry Air Pollution Control Systems: Theory and Practice

Author(s): A Pakrasi, P Acharya, WT Davis

Annual Conference: 1994, Vol. 6B

Paper ID: 94-TA260.01P

Environmental Reporting by a Local Newspaper

Author(s): BK Jensen, RA Jensen Annual Conference: 1994, Vol. 7 Paper ID: 94-TA260.03P

Case Studies on Pretreatment of Rendering Gases for Biofiltration

Author(s): HJ Chang, MH Chung, SCJ Hwang

Annual Conference: 1994, Vol. 6B

Paper ID: 94-TA260.04P

Probabilistic Performance, Environmental and Economic Evaluation of an Advanced Coal Gasification System

Author(s): JC Frey

Annual Conference: 1994, Vol. 6B

Paper ID: 94-TA260.05P

A Case Study of Hazardous Waste Incinerator Emissions in Complex Terrain: Use of Dispersion Modeling to Demonstrate Regulatory Compliance

Author(s): MP Humphreys, EM Atkins, V Adams

Annual Conference: 1994, Vol. 5 Paper ID: 94-TA260.06P

Biodegradation of BTX from Waste Gases in a Biofilter Rector

 ${\sf Author}(s){:}\ K\ Tahraoui,\ R\ Samson,\ D\ Rho$

Annual Conference: 1994, Vol. 4B

Paper ID: 94-TA260.07P

Ozone Measurement Capabilities at NOAA's Environmental Technology Laboratory

Author(s): RJ Alvarez, Y Zhao, CJ Grund

Annual Conference: 1994, Vol. 1B

Paper ID: 94-TA260.08P

The Use of Air Modeling in a Predictive Ecological Risk Assessment

Author(s): LM Schmitt, CR Harman Annual Conference: 1994, Vol. 9 Paper ID: 94-TA260.09P

Biofiltration of VOC Mixtures: Modeling and Pilot Scale Experimental Verification

Author(s): BC Baltzis, Z Shareefdeen Annual Conference: 1994, Vol. 4B

Paper ID: 94-TA260.10P

Analysis of Aldehydes and Keystones Using the DNPH Derivatization Process

Author(s): DB Beacham

Annual Conference: 1994, Vol. 13

Paper ID: 94-TA260.11P

The U.S. Army's Air Emission Inventory Program-Lesson Learned

Author(s): WJ Mills, BW Higgins, L Webber

Annual Conference: 1994, Vol. 5 Paper ID: 94-TA260.12P

A Multi-Media Environmental Impact Study for a Manufacturing Facility Incinerator

Author(s): SA Fruin, M Elnabarawy, DP Duffy

Annual Conference: 1994, Vol. 9 Paper ID: 94-TA260.13P

Compositions of VOC Emissions from the Sycamore Landfill

Author(s): SJ Klafka, M Anders, M Hollifield

Annual Conference: 1994, Vol. 4B

Paper ID: 94-TA260.14P

Asbestos in Tehran's Air and Water

Author(s): M Shariat, H Sadre, M Ghiasseddin

Annual Conference: 1994, Vol. 9 Paper ID: 94-TA260.15P

Assessment of Greenhouse Gases in Iran

Author(s): M Ghiasseddin, M Shariat, H Rezai

Annual Conference: 1994, Vol. 1B

Paper ID: 94-TA260.16P

A Lineart Programming Method in Target Transformation Factor Analysis or Receptor Modeling

Author(s): H Yang

Annual Conference: 1994, Vol. 9

Paper ID: 94-TA260.17P

Volatile Organic Compound Measurements in Montreal (Ouebec) 1989-1992

Author(s): J Tremblay, L Gauvin, T Dann Annual Conference: 1994, Vol. 3A

Paper ID: 94-TA26A.01

VOCs Emissions from Coating Processes in Automobile Production Industry

Author(s): FT Jeng, CT Chang Annual Conference: 1994, Vol. 3A

Paper ID: 94-TA26A.03

Ambient Monitoring for Vinyl Chloride at a Municipal Landfill

Author(s): DS Chadder, MF Lepage, AE Davies

Annual Conference: 1994, Vol. 3A

Paper ID: 94-TA26A.04

Field Test and Validation of a Source Test Method for Methylene Diphenyl Diisocynate

Author(s): FW Wilshire, JE Knoll, JF McGaughey

Annual Conference: 1994, Vol. 3A

Paper ID: 94-TA27.01

Conducting Valid Organic Hazardous Air Pollutant Emission Inventories with the Heated Summa Canister Source Sampling Train

Author(s): RJ Crawford, CR Lloyd, DL Elam

Annual Conference: 1994, Vol. 3A

Paper ID: 94-TA27.02

A Summary of Emission Measurement Methods for Title III Clean Air Act Amendment Hazardous Air Pollutants

Author(s): LE Cottone, WJ Hauze Annual Conference: 1994, Vol. 3A

Paper ID: 94-TA27.03

EPA Method 301 Validation of a Source Measurement Method for Title III Polar Volatile Organic Compounds (PVOCs)

Author(s): WG DeWees, SC Steinsberger, WD Buynitzsky

Annual Conference: 1994, Vol. 3A

Paper ID: 94-TA27.04

How to Obtain Quality Chromium Emission Test Results from Chrome Plating and Chromic Acid Anodizing Operations

Author(s): DA Newton

Annual Conference: 1994, Vol. 3A

Paper ID: 94-TA27.05

Coke Oven Upgrades and the Effect on Visible Emissions

Author(s): E Cocchiarella, R Adoranti Annual Conference: 1994, Vol. 6A

Paper ID: 94-TA28.01

Pollution Prevention in the Integrated Iron and Steel Industry and its Potential Role in MACT Standards Development

Author(s): PJ Marsosudiro Annual Conference: 1994, Vol. 6A

Paper ID: 94-TA28.02

Coke Plant Benzene By-Products NESHAP Operating Experience

Author(s): HR McCollum, JW Botkin, ME Hohman

Annual Conference: 1994, Vol. 6A

Paper ID: 94-TA28.03

Top Down BACT Control Analysis for Electric Arc Furnaces

Author(s): RR Geddus, RV Chalfant, WA Langel

Annual Conference: 1994, Vol. 6A

Paper ID: 94-TA28.04

Recent Air Quality Compliance Experience at Wisconsin Gray and Ductile Iron Foundries

Author(s): S Klafka

Annual Conference: 1994, Vol. 6A

Paper ID: 94-TA28.05

Air Quality Benefits Through Modernization at Geneva Steel

Author(s): MW Smith, RL Christensen Annual Conference: 1994, Vol. 6A

Paper ID: 94-TA28.06

Continuous Emission Monitoring for NOx Emission Fees-Experiences from Five Swedish Plants

Author(s): M Sjoberg

Annual Conference: 1994, Vol. 3A

Paper ID: 94-TA29A.01

CEM Data Acquisition and Handling Systems: Experience of the Utility Industry

Author(s): SA Mitnick

Annual Conference: 1994, Vol. 3A

Paper ID: 94-TA29A.02

Predictive Emissions Monitoring Systems (PEMS) A Proven Alternative to IN-Stack Continuous NOx Monitoring

Author(s): WSY Hung

Annual Conference: 1994, Vol. 3A

Paper ID: 94-TA29A.03

Strategies for Implementing Enhanced Monitoring under the Clean Air Act Amendments of 1990

Author(s): LH Nelms

Annual Conference: 1994, Vol. 3A

Paper ID: 94-TA29A.04

Remote Sensing of Emission Rates of Plume Constituents Using a Gas Selective Camera

Author(s): H Ripperl, K Schafer Annual Conference: 1994, Vol. 3A

Paper ID: 94-TA29A.05

Use of Receptor and Dispersion Modeling Principles in Assessing Pre-and Post-Abatement Conditions of an Emission Source

Author(s): S Mukerjee, DL Fox, HE Ma

Annual Conference: 1994, Vol. 9

Paper ID: 94-TA30.01

VOC Receptor Modeling Applied to Prediction of Ambient Ozone in Detroit

Author(s): J Chung, RA Wadden, PA Scheff

Annual Conference: 1994, Vol. 9

Paper ID: 94-TA30.02

Receptor Model Evaluation for Lake Michigan Ozone Study Measurements for VOC

Author(s): DM Kenski, RA Wadden, PA Scheff

Annual Conference: 1994, Vol. 9

Paper ID: 94-TA30.03

Temporal Variations of PM Chemical Components and Their Sources in California's South Coast Air Basin

Author(s): as Kao, SK Friedlander Annual Conference: 1994, Vol. 9

Paper ID: 94-TA30.04

Towards a Cleaner Tomorrow-Environmental Structured Settlements

Author(s): SH Novak

Annual Conference: 1994, Vol. 9

Paper ID: 94-TA31.01

Beyond Business-as-Usual Communication: Public Information Techniques

Author(s): PE Coats, S Long Annual Conference: 1994, Vol. 9

Paper ID: 94-TA31.02

Risk Communication-Managing Risk

Author(s): S Chaloux

Annual Conference: 1994, Vol. 9

Paper ID: 94-TA31.03

A Comparison of the Media's Treatment of Voluntary and Involuntary Risk

Author(s): BK Jensen, RA Jensen Annual Conference: 1994, Vol. 9

Paper ID: 94-TA31.04

An Acturial Approach to Quantifying Environmental Exposure

Author(s): JS Chansky

Annual Conference: 1994, Vol. 9

Paper ID: 94-TA31.05

Quantifying Environmental Exposures for Business Decision: Approaches to Monetizing Environmental Liabilities

Author(s): PE Bailey

Annual Conference: 1994, Vol. 9

Paper ID: 94-TA31.06

Meeting the Challenge: Environmental Insurance for Consultants and Contractors

Author(s): SA Postelnek, M Vuono Annual Conference: 1994, Vol. 9

Paper ID: 94-TA31.07

Sacramento Valley Toxics Campaign v. city of West Sacramento: A Flexible Approach to Obtaining Air Emission Offsets from Scare Sources in a Rural, Non-Industrial Air District

Author(s): TS Goodwin

Annual Conference: 1994, Vol. 8

Paper ID: 94-TA32.01

Dealing with the New Clean Water Act--Strategic for Industry

Author(s): DP Galya

Annual Conference: 1994, Vol. 8

Paper ID: 94-TA32.02

The Economics of Strategic Environmental Management for Increased Corporate Strength

Author(s): DA Soderstrom Annual Conference: 1994, Vol. 8

Paper ID: 94-TA33.01

Using Decision Analysis to Manage Environmental Costs

Author(s): GS Koch, PR Ammann, KR Wise

Annual Conference: 1994, Vol. 8

Paper ID: 94-TA33.02

Economic Analysis in Environmental R&D

Author(s): NZ Shilling, PR Ammann Annual Conference: 1994, Vol. 8

Paper ID: 94-TA33.03

Pollution Control Strategies

Author(s): PT Ammann, GS Koch, MA Maniatis

Annual Conference: 1994, Vol. 8

Paper ID: 94-TA33.04

Financial and Discount Rate Issues for Strategic Management of Environmental Costs

Author(s): AL Kolbe, SC Myers Annual Conference: 1994, Vol. 8

Paper ID: 94-TA33.05

Translating Technical Information for the Public and the Media: A Study of Barriers and Facilitators to Effective Communication

Author(s): JE Gilbert

Annual Conference: 1994, Vol. 7

Paper ID: 94-TA34.01

Implication of the North American Free Trade Agreement on the United States and Mexican Border Environment

Author(s): RC Russo

Annual Conference: 1994, Vol. 7

Paper ID: 94-TA35.01

The Effects of Environmental Policy and Clean Up Expenditures in the Economy

Author(s): DA Hanson, JS Camp Annual Conference: 1994, Vol. 7

Paper ID: 94-TA35.02

A Critical Evaluation of the Emission Offset Policy

Author(s): PF Hess, WR de Boisblanc Annual Conference: 1994, Vol. 7

Paper ID: 94-TA35.03

A New and a Real Superfund

Author(s): M Diamond, N Neuman Annual Conference: 1994, Vol. 7

Paper ID: 94-TA35.04

Ozone Uptake by San Joaquin Valley Crops

Author(s): DA Grantz

Annual Conference: 1994, Vol. 9

Paper ID: 94-TA36.01

Influence of Elevated CO on Disease Development of Phytophthora Root Rot of Tomato and Verticillium Wilt of Cotton

Author(s): PM McCool, NS Jwa Annual Conference: 1994, Vol. 9

Paper ID: 94-TA36.02

Influence of Ambient Ozone on Foliar Biomass Production by an Ozone-Sensitive and an Ozone Tolerant Clone of Regal White Clover in Massachusetts

Author(s): WJ Manning

Annual Conference: 1994, Vol. 9

Paper ID: 94-TA36.03

Visible Ozone Injury on Native Plant Species within Great Smoky Mountain National Park

Author(s): AH Chappelka, JR Renfro, GL Somers

Annual Conference: 1994, Vol. 9

Paper ID: 94-TA36.04

Assessing the Response of Shortleaf Pine to Ozone using Sodium Erythorbate and Ethylenediurea

Author(s): RB Flager, JE Lock, CG Elsik

Annual Conference: 1994, Vol. 9

Paper ID: 94-TA36.05

Implementation of AWARE Using the Reynolds Total Ouality Mission

Author(s): CC Taylor

Annual Conference: 1994, Vol. 11

Paper ID: 94-TA37.01

Measurements of CF and CF in the Emissions from Aluminum Smelters

Author(s): HI Schiff, J Bechara, JT Pisano

Annual Conference: 1994, Vol. 11

Paper ID: 94-TA37.02

A Major Program to Reduce Air Emissions at an Urban Secondary Copper Smelting Facility

Author(s): MJ Fitzpatrick

Annual Conference: 1994, Vol. 11

Paper ID: 94-TA37.03

Recent Pollution Prevention Successes at the Aluminum Company of America

Author(s): KJ Martchek, PA Chrisco Annual Conference: 1994, Vol. 11

Paper ID: 94-TA37.04

Pollution Prevention and Waste Minimization in Two Primary Aluminum Smelters

Author(s): M Allaire, D Villeneuve, V Evoy

Annual Conference: 1994, Vol. 11

Paper ID: 94-TA37.05

Comparative Evaluation of Chemical Risk Ranking and Scoring Methodologies

Author(s): MB Swanson, GA Davis, SL Jones

Annual Conference: 1994, Vol. 11

Paper ID: 94-TA38.01

Development of a Pollution Prevention Strategy for the City of Cincinnati

Author(s): SJ Clement, J Bruce Suits Annual Conference: 1994, Vol. 11

Paper ID: 94-TA38.02

Just Say No (Toxics) Case Studies from Navistar

Author(s): TW McDaniel, EM Ardiente Annual Conference: 1994, Vol. 11

Paper ID: 94-TA38.03

Development of a Pollution Management System at the Dow Corning Carrollton, KY Site

Author(s): WT Strange

Annual Conference: 1994, Vol. 11

Paper ID: 94-TA38.04

A Case History of Aerospace Pollution Prevention: A Decade of Progress at Air Force Plant No. 4 (1984-1993)

Author(s): KR McKee, SP Evanoff Annual Conference: 1994, Vol. 11

Paper ID: 94-TA38.05

Pollution Prevention at a Department of Energy (DOE) Manufacturing Plant

Author(s): LA Abbatiello Annual Conference: 1994, Vol. 11

Paper ID: 94-TA38.06

Pollution Prevention Initiatives of the American Institute of Pollution Prevention (AIPP)

Author(s): DM Benforado, P Bartholomew

Annual Conference: 1994, Vol. 11

Paper ID: 94-TA38.07

Eliminating Solvents in Composites Manufacturing

Author(s): KR Stone

Annual Conference: 1994, Vol. 11

Paper ID: 94-TA39A.01

Environmental Conscious Manufacturing Technology in the DOE Complex

Author(s): MC Dionlsio, WE Scheinkendorf

Annual Conference: 1994, Vol. 11

Paper ID: 94-TA39A.02

Recovery and Reuse of MEK from Paint Stripping Operation Emissions Using Specialized Adsorbents

Author(s): PG Blystone, HR Goltz, J Springer

Annual Conference: 1994, Vol. 11

Paper ID: 94-TA39A.03

Hazardous Material Elimination Efforts at Aeronautical Systems Center

Author(s): AW Butler

Annual Conference: 1994, Vol. 11

Paper ID: 94-TA39A.04

A Procedure to Quantify Cleaning Efficiency of Various Solvents

Author(s): SP Chauhan, PM Schmacher, JC Chang

Annual Conference: 1994, Vol. 11

Paper ID: 94-TA39A.05

Pollution Prevention Opportunity Assessments for Process Wastes and Toxic Chemical at Six U.S. Air Force Bases

Author(s): SC Schmitt, JW Roberts, RA Johnson

Annual Conference: 1994, Vol. 11

Paper ID: 94-TA39B.01

Non-Residential Waste Generation Analysis and Composition: A Key Increasing Recycling Rates

Author(s): T Kusterer, BJ Stevens Annual Conference: 1994, Vol. 12

Paper ID: 94-TA40.01

Auto Shredder Residue (ASR) Experience at the SEMASS Resource recovery Facility

 ${\sf Author}(s){:}\ J\ Zakaria,\ P\ McBath,\ G\ Sutin$

Annual Conference: 1994, Vol. 12

Paper ID: 94-TA40.02

Effect of Lead Acid Battery and Cadmium Spiking on Incinerator Emissions

Author(s): AJ Chandler, HG Rigo, SE Sawell

Annual Conference: 1994, Vol. 12

Paper ID: 94-TA40.03

Effect of Nitrogen in Waste Components on Incinerator Emissions

Author(s): HG Rigo, FA Ferraro, M Wilson

Annual Conference: 1994, Vol. 12

Paper ID: 94-TA40.04

Effect of Metals in Waste Components on Incinerator Emissions

Author(s): HG Rigo

Annual Conference: 1994, Vol. 12

Paper ID: 94-TA40.06

Evaluation of In Situ Groundwater Remediation by Metal Enhanced Reductive Dehalogenation--Laboratory Column Studies and Groundwater Flow Modeling

Author(s): JL Vogan, JK Seaberg, B Gnabasik

Annual Conference: 1994, Vol. 13

Paper ID: 94-TA42.01

Extractions of Mercury, Arsenic and Lead from Soil Using Supercritical Carbon Dioxide and Novel Highly CO2 Soluble Chelating

Author(s): AV Yazdi, TA Hoefling, EJ Beckman

Annual Conference: 1994, Vol. 13

Paper ID: 94-TA42.02

Development of Membrane Bioreactor for Removal of Trace Organics from Wastewater

Author(s): S Ilias, KA Schimmell, CA Steward

Annual Conference: 1994, Vol. 13

Paper ID: 94-TA42.03

High Surface Area Polymeric Adsorbents for VOC Capture and On-Site Regeneration

Author(s): HR Goltz, KC Jones, MH Tegen

Annual Conference: 1994, Vol. 13

Paper ID: 94-TA42.04

Cross-Flow Pervaporation Treatment of Contaminated Groundwater: A Pilot-Scale Study

Author(s): PR Zelinskas, S Engle, PR Canning

Annual Conference: 1994, Vol. 13

Paper ID: 94-TA42.05

Supercritical Water Oxidation Model Development for Selected EPA Priority Pollutants

Author(s): L Li, Ncrain, A Kanhasamy Annual Conference: 1994, Vol. 13

Paper ID: 94-TA42.06

Reducing Remediation Costs, Project Schedule and Environmental Liability Through Fingerprinting Contaminants, Health Risk Assessments and Innovative Remedial Methods

Author(s): SS Huismann, BD Burgess, R Addison

Annual Conference: 1994, Vol. 15

Paper ID: 94-TA43A.01

Statutory Roadblocks to Solving the Cleanup Crisis through Insurance

Author(s): S Neuman

Annual Conference: 1994, Vol. 15

Paper ID: 94-TA43A.02

Financial Responsibility Requirements in Environmental Regulations: What They Mean, Whom They Attack and How They Can Be Met

Author(s): NS Vrukas

Annual Conference: 1994, Vol. 15

Paper ID: 94-TA43A.03

A Survey of Liability and Indemnification Issues Affecting the Remediation Industry

Author(s): VO Manuele

Annual Conference: 1994, Vol. 15

Paper ID: 94-TA43A.04

Streamlining Radioanalytical Methods

Author(s): J Poppiti

Annual Conference: 1994, Vol. 15

Paper ID: 94-TA44.02

Overview of EM-26, Office of Transportation, Emergency Management and Analysis Services

Author(s): DL Lillian

Annual Conference: 1994, Vol. 15

Paper ID: 94-TA44.03

Transportation Management Division Overview

Author(s): LG Bialock

Annual Conference: 1994, Vol. 15

Paper ID: 94-TA44.04

Overview of the Department of Energy's Sampling and Analysis Activities of the Analysis Services Division

Author(s): M Carter

Annual Conference: 1994, Vol. 15

Paper ID: 94-TA44.05

EM's Emergency Management Division-An Integrated Preparedness Program

Author(s): WJ Weaver, L Brownell Annual Conference: 1994, Vol. 15

Paper ID: 94-TA44.06

Packaging Activities within the U.S. Department of Energy's Transportation Management Division

Author(s): LG Blalock

Annual Conference: 1994, Vol. 15

Paper ID: 94-TA44.07

Evaluation of Bench-Scale Slurry Phase Bioreactors for Treatment of Contaminated Soils

Author(s): JA Glaser, JS Platt, MA Dosani Annual Conference: 1994, Vol. 14A

Paper ID: 94-TA45A.01

Biokinetic Studies on Degradation of Polycuclic Aromatic Hydrocarbons in Soil Slurry Reactors

Author(s): HH Tabak, C Gao, X Yan Annual Conference: 1994, Vol. 14A

Paper ID: 94-TA45A.02

Disperse Yellow 3 Degradation by the Lignin-Degrading Fungus Phanerochaete Chrysosporium

Author(s): V Renganathan, JT Spadaro Annual Conference: 1994, Vol. 14A

Paper ID: 94-TA45A.03

Bioremediation of Coal Tar Contaminated Soil in a Slurry Bioreactor

Author(s): H Melcer, CE Aziz Annual Conference: 1994, Vol. 14A

Paper ID: 94-TA45A.04

Effect of Soil Dilution and Amendment with Corn Meal on Degradation of Herbicides in Contaminated Soil

Author(s): AS Felsot, EK Dzantor Annual Conference: 1994, Vol. 14A

Paper ID: 94-TA45A.05

Fungal-Based Bioremediation of Pesticides: A Comparison with the Use of Bacteria and with Other Remediation Technologies

Author(s): RD Norris, KC Harvey Annual Conference: 1994, Vol. 14A

Paper ID: 94-TA45A.06

Isolation of the Enzyme and its Gene Involved in the Hydrolysis of Carbaryl from Pseudomonas Aeruginosa

Author(s): S Chapalmadugus, Mg Pyenta, A Mateen

Annual Conference: 1994, Vol. 14A

Paper ID: 94-TA45A.07

Gaseous Contaminant Control Strategies at the Hague

Author(s): CO Muller

Annual Conference: 1994, Vol. 2

Paper ID: 94-TP25B.02

Characterization of Indoor Air Pollution in Taiwanese residential Homes

Author(s): CS Yuan, JH Lin Annual Conference: 1994, Vol. 2

Paper ID: 94-TP25B.04

Use of Optical Remote Sensing and Flux Chamber Technologies for Determining Emission Rates from a Pulp Mill Wastewater Treatment Facility

Author(s): CE Schmidt, DA Barton, M Hasegawa

Annual Conference: 1994, Vol. 3A

Paper ID: 94-TP26B.01

Comparison of Measured and Modeled Emission Rates from a Buried Waste Site

Author(s): WC Downs, CE Schmidt, JC Walton

Annual Conference: 1994, Vol. 3A

Paper ID: 94-TP26B.02

Assessment of Municipal Solid Waste Landfill Emissions Using Optical Remote Sensing and Flux Chamber Technologies

Author(s): CE Schmidt, b Reagan, J Stock

Annual Conference: 1994, Vol. 3A

Paper ID: 94-TP26B.03

Source Allocation of Hazardous Air Pollutants in Chicago

Author(s): PA Scheff, RA Wadden, J Lin Annual Conference: 1994, Vol. 3A

Paper ID: 94-TP26B.04

Ambient Air Toxics Measurements by Open-Path FTIR: Results of a Field Trial at the Kodak Park Industrial Complex

Author(s): DM Hendricks, JL Lippert Annual Conference: 1994, Vol. 3A

Paper ID: 94-TP26B.05

3-D PilotTube Calibration Study

Author(s): EA Potts, RR Shigehara, TJ Logan

Annual Conference: 1994, Vol. 3A

Paper ID: 94-TP29B.01

Evaluation of Fourier Transform Infrared (FTIR) Technology for Continuous Emissions Monitoring at CoalFired Electric Utilities

Author(s): TA Dunder, JD Palank, RT Squires

Annual Conference: 1994, Vol. 3A

Paper ID: 94-TP29B.02

The Use of an Open-Path FTIR Sensor to Measure VOCs at the Hanford Site

Author(s): RH Kagann, J Fancher, S Tomich

Annual Conference: 1994, Vol. 3A

Paper ID: 94-TP29B.04

Development of a Parametric NOx Emissions Estimation Correlation for Oil-AND Gas-Fired Boilers

Author(s): CA Clapsaffle, KD Steckley Annual Conference: 1994, Vol. 3A

Paper ID: 94-TP29B.05

Analysis of Trace Gases and Emission Rates from Aircraft Engine Plumes Using FTIR-Emission-Spectroscopy

Author(s): J Heland, R Hau, L Schafer Annual Conference: 1994, Vol. 3A

Paper ID: 94-TP29B.06

Pollution Prevention: A Competitive Advantage and a Requirement

Author(s): C Davies, T Kroger, B McKelvey

Annual Conference: 1994, Vol. 11

Paper ID: 94-TP39B.02

Priority Manufacturing and Environmental Issues at DOD-Related Industrial Facilities

Author(s): JW Adams, JR Bearden Annual Conference: 1994, Vol. 11

Paper ID: 94-TP39B.03

Demonstration Center for Pollution Prevention and Waste Minimization in Organic Finishing

Author(s): JR Hudson, CP Izzo Annual Conference: 1994, Vol. 11

Paper ID: 94-TP39B.04

Minimizing Polluting Substances in Military Specifications and Standards

Author(s): SM Clark, LD Wilson Annual Conference: 1994, Vol. 11

Paper ID: 94-TP39B.05

Hazardous Materials Life Cycle Cost Estimator DOD and Industry Applications

Author(s): BS West

Annual Conference: 1994, Vol. 11

Paper ID: 94-TP39B.06

Establishing an Environmental Risk Management Program

Author(s): DJ Dybdahl

Annual Conference: 1994, Vol. 15

Paper ID: 94-TP43B.01

Remining One Solution to Financing the Cleanup of Abandoned Mines

Author(s): ED Blatt, CE Maggioni, MP Stabolepszy

Annual Conference: 1994, Vol. 15

Paper ID: 94-TP43B.02

Insurance as a Substitute for Environmental Indemnity and a Vehicle to Facilitate Trancations Involving Clean Formerly Contaminated or Presently Contaminated Real Estate

Author(s): GE Sibley

Annual Conference: 1994, Vol. 15

Paper ID: 94-TP43B.04

Site Specific Evaluation of Different IN Situ Bioremediation Strategies for a Trichlorethylene Contaminated Aquifer

Author(s): SG Hansen, GF Andrews Annual Conference: 1994, Vol. 14A

Paper ID: 94-TP45B.01

Rate and Extent of Natural Anaerobic Bioremediation of BTEX Compounds in Groundwater Plumes

 $\hbox{Author(s): MJ Hunt, MA Barlaz, RC Borden}$

Annual Conference: 1994, Vol. 14A

Paper ID: 94-TP45B.02

Bioremediation of Contaminated Soil Containing Organophosphate Insecticides

Author(s): W Mulbry, PL DelValle, JS Karns

Annual Conference: 1994, Vol. 14A

Paper ID: 94-TP45B.03

Field Application of Anaerobic Soil Slurry Reactor Systems for Degradation of Nitroaromatic Compounds and Other Herbicides and Pesticides

Author(s): CA Howell, AT Panto, D Higdem

Annual Conference: 1994, Vol. 14A

Paper ID: 94-TP45B.04

Laboratory Studies on Bioremediation of Metolachlor Contaminated Soil

Author(s): DE Mullins, DF Berry, G Woltz Annual Conference: 1994, Vol. 14A

Paper ID: 94-TP45B.05

Fate of the Lawn Care Pesticides, 2,4-D and Diazionon during Yard Waste Composting

Author(s): FC Michel, CA Reddy, LJ Forney

Annual Conference: 1994, Vol. 14A

Paper ID: 94-TP45B.06

Biotransformation of Polychlorinated Biphenyis (PCBs) at an Electric Utility Substation

Author(s): MJ Beck, K Dzantor, RD Johnson

Annual Conference: 1994, Vol. 14A

Paper ID: 94-TP45B.07

Pesticides Bioremediation: Exploiting the Rhizosphere Effect

Author(s): TA Anderson, JR Coats, EL Kruger

Annual Conference: 1994, Vol. 14A

Paper ID: 94-TP45B.08

Considerations for Site Noise Predictions

Author(s): MA Staiano

Annual Conference: 1994, Vol. 1A

Paper ID: 94-TP46.01

An Improved Assessment Approach for Noise Impacts from Stationary Point and Traffic Sources on Humans and Wildlife

Author(s): YS Chang, KC Chun Annual Conference: 1994, Vol. 1A

Paper ID: 94-TP46.03

Comparative review of Available Computer Programs for Modeling Meteorological and Terrain Effects on Long-Range Propagation of Audible Noise

Author(s): RE Liebich, KC Chun Annual Conference: 1994, Vol. 1A

Paper ID: 94-TP46.04

Traffic Noise Spectra Changes with Speed: The Effects on Modeling Efforts and Barrier Design

Author(s): RL Wayson, TWA Ogle Annual Conference: 1994, Vol. 1A

Paper ID: 94-TP46.05

Seasonal, Spatial and Day of the Week Analysis of Ozone and Meteorology in Mexico City

Author(s): CM Hemmer

Annual Conference: 1994, Vol. 1A

Paper ID: 94-TP47.01

Preliminary Assessment of Meteorological Data from High Ozone Episodes during the 1993 Coastal Oxidant Assessment for Southern Texas (COAST) Field Project

Author(s): BW Lambeth, GS Zeigler, JH Price

Annual Conference: 1994, Vol. 1A

Paper ID: 94-TP47.02

A Framework for Design to Prevent Indoor Environmental Problems in Buildings

Author(s): EM Sterling

Annual Conference: 1994, Vol. 2

Paper ID: 94-TP48.01

Materials Selection and Mechanical System Design of Houses for the Environmentally Hypersensitive

Author(s): V Salares, P Russell, D Fugler

Annual Conference: 1994, Vol. 2

Paper ID: 94-TP48.02

A First Look at the Effectiveness of Residential Duct Cleaning

Author(s): D Fugler, M Auger Annual Conference: 1994, Vol. 2

Paper ID: 94-TP48.03

Investigation to Develop a Relationship between Energy Consumption and Indoor Air Quality

Author(s): SM Relwani, DJ Moschandreas

Annual Conference: 1994, Vol. 2

Paper ID: 94-TP48.04

Plan to Prevent IAQ Problems

Author(s): RH Diebert, JG Feller Annual Conference: 1994, Vol. 2

Paper ID: 94-TP48.05

Deep Cleaning-A First Step to Improved Indoor Environmental Quality

Author(s): DL Franke, EC Cole, MA Berry

Annual Conference: 1994, Vol. 2

Paper ID: 94-TP48.06

MACT Determination by Louisiana Industries: A Fast Track to MACT

Author(s): AS Goldberg

Annual Conference: 1994, Vol. 5

Paper ID: 94-TP49.01

Permitting of Two Wood Furniture Facilities Located in North Carolina-Titles III and V Issues

Author(s): KM Eldridge, SD Stookey Annual Conference: 1994, Vol. 5

Paper ID: 94-TP49.02

Emissions Standards for Municipal Waste Combustion Facilities under Title III of the Clean Air Act Amendments of 1990-An Update on the Evolving Process

Author(s): SM DuBoff, AH Leskovsek Annual Conference: 1994, Vol. 5

Paper ID: 94-TP49.03

MACT Standards under the Clean Air Act Amendments of 1990: An Update of Regulatory Initiatives

Author(s): DP Harkawik, MM McCabe Annual Conference: 1994, Vol. 5

Paper ID: 94-TP49.04

Source Permitting Aspects of the Coke Oven NESHAP

Author(s): MR Branscome, DW Coy, AA Agnew

Annual Conference: 1994, Vol. 5

Paper ID: 94-TP49.05

MACT Compliance of a Petroleum Refinery by Early Reduction A Case Study

Author(s): AT Patel

Annual Conference: 1994, Vol. 4A

Paper ID: 94-TP50.01

Development of a Clean Air Act Title V Permit Application for Argonne National Laboratory

Author(s): GL Barrett

Annual Conference: 1994, Vol. 5

Paper ID: 94-TP51.01

Prototype decision Support System for Developing Air Pollution Compliance Strategies at DOD Facilities

Author(s): MR Kemme, DM Maloney, MF Rhodes

Annual Conference: 1994, Vol. 5

Paper ID: 94-TP51.02

Permitting "Unusual" Sources at DOD and Other Facilities

Author(s): R Chettri, D Pelton Annual Conference: 1994, Vol. 5

Paper ID: 94-TP51.03

FY 94 and FY 95 Title V Permit Preparations

Author(s): MJ Rayer

Annual Conference: 1994, Vol. 5

Paper ID: 94-TP51.04

Impacts of Title V Operating Permits on U.S. Army Installations

Author(s): WJ Mills, PHL Chang, L Webber

Annual Conference: 1994, Vol. 5

Paper ID: 94-TP51.05

Relationship between Biochemical Removal Rate of Gaseous Hydrogen Sulfide and Liquid Composition

Author(s): T Higuchi, K Nishida, T Higuchi

Annual Conference: 1994, Vol. 3A

Paper ID: 94-TP52.01

Performance of Biofilters at Two Agitated Bin Composting Facilities

Author(s): JR Pinnette, MD Giggey, GJ Marcy

Annual Conference: 1994, Vol. 3A

Paper ID: 94-TP52.02

Assessment of Potential Odor Impacts from a Publicity Owned Treatment Work

Author(s): RC Porter, WG Hoydysh, ET Barfield

Annual Conference: 1994, Vol. 3A

Paper ID: 94-TP52.03

Cincinnati Ends Up Smelling Like Roses

Author(s): DP Clement, RJ Carlton, RJ Pope

Annual Conference: 1994, Vol. 3A

Paper ID: 94-TP52.04

An Evaluation of the Sensitivity and Precision of Odor Panel Analysis

Author(s): M McAfee, M O'Bien, G Mayer

Annual Conference: 1994, Vol. 3A

Paper ID: 94-TP52.05

Odor Containment-Covering All the Bases

Author(s): RJ Pope, DJWuerdeman, A Lopez

Annual Conference: 1994, Vol. 3A

Paper ID: 94-TP52.06

Standardization of Odor Measurement Techniques

Author(s): MA O'Brien

Annual Conference: 1994, Vol. 3A

Paper ID: 94-TP52.07

Odor Evaluation of Sewage Treatment Plants by the Soef Method

Author(s): AJ Dragt, LRM, Hermans, JG Post

Annual Conference: 1994, Vol. 3A

Paper ID: 94-TP52.08

Estimated Impact of the 1990 Clean Air Act Amendments on Vehicle Emissions

Author(s): MW Jackson, PE Korsog Annual Conference: 1994, Vol. 5

Paper ID: 94-TP53.01

Developing as Inspection/Maintenance program for Alternatively Fueled Vehicle

Author(s): BL Walker, RF Klausmeier, R Benjaminson

Annual Conference: 1994, Vol. 5

Paper ID: 94-TP53.02

Mobile Source Emissions Controls-Progress and Prognosis

Author(s): SA Leonard, TA Formby Annual Conference: 1994, Vol. 5

Paper ID: 94-TP53.03

Experience with Development of a Program to Decrease Emissions of Indirect Sources in Southern California

Author(s): VA Evans, CA Day Annual Conference: 1994, Vol. 5

Paper ID: 94-TP53.04

Cost Effectiveness of Mobile Source Emission Control from Accelerated Scrappage to Zero Emission Vehicles

Author(s): TC Austin, JM Lyons Annual Conference: 1994, Vol. 5

Paper ID: 94-TP53.05

When Ignorance is Bliss--Can you Afford to do an Environmental Audit?

Author(s): DP McLeod, HVB Kline Annual Conference: 1994, Vol. 8

Paper ID: 94-TP54.01

Breaking Through Barriers

Author(s): DF Fisher, DO Schmid Annual Conference: 1994, Vol. 8

Paper ID: 94-TP54.02

The Application of Consensus Approaches in Canadian Environmental Auditing Policy Development

Author(s): JS Shrives

Annual Conference: 1994, Vol. 8

Paper ID: 94-TP54.03

Audit Coordination for Over 600 Petrol Stations and Tanks Storage Area in Easy Germany

Author(s): T Meschede

Annual Conference: 1994, Vol. 8

Paper ID: 94-TP54.04

Uncertainty Versus Variability in Monte Carlo Simulations of Humane Exposure Through Food Pathways

Author(s): TE Mckone

Annual Conference: 1994, Vol. 9

Paper ID: 94-TP55.01

Assessing Health Risk Uncertainty at a PCB Thermal Incinerator

Author(s): DC DiCristofaro, D Pederson, S McCarthy

Annual Conference: 1994, Vol. 9

Paper ID: 94-TP55.02

Quantitative Analysis of Uncertainty and Variability in Exposure and Risk Assessment: Some Guidance on Why and How

Author(s): HC Frey

Annual Conference: 1994, Vol. 9

Paper ID: 94-TP55.03

Importance of Site-Specific Meteorological Parameters in Estimating Health Risk from Stationary Facilities Emitting Significant Quantities of Air Toxic

Author(s): K Nand, H Rous Annual Conference: 1994, Vol. 9

Paper ID: 94-TP55.04

Invariably Uncertain about Variability? Try the Norma-Gamma Conjugate!

Author(s): MJ Small

Annual Conference: 1994, Vol. 9

Paper ID: 94-TP55.05

The Impact of the New Clean Air Act Federal Operating Permit Requirements on the Cement Manufacturing Industry

Author(s): DW Carroll

Annual Conference: 1994, Vol. 5

Paper ID: 94-TP56.01

Technical and Legal Teaming to Ensure Title V Compliance The Engineer and the Lawyer Must Be Friends

Author(s): SL Zwicker, FB Friedman Annual Conference: 1994, Vol. 5

Paper ID: 94-TP56.02

Louisiana State Implementation Plan Map: A Case Study for the Development of a Regulatory History for the Part 70 Program

Author(s): JB Hartt, DB Wolf Annual Conference: 1994, Vol. 5

Paper ID: 94-TP56.03

Primer on Title V Permitting Concepts and Strategies

Author(s): RR Allen, JE Shrock Annual Conference: 1994, Vol. 5

Paper ID: 94-TP56.04

Framework for a Prototype Title V Permit Application and Compliance Strategy for a Batch Chemical Manufacturing Plant

Author(s): Z Maserejian, DB Smith, J Ahearn

Annual Conference: 1994, Vol. 5

Paper ID: 94-TP56.05

Defining Title V Alternative Operating Scenarios for Operational Flexibility

Author(s): YM Shah, DD Weiner Annual Conference: 1994, Vol. 5

Paper ID: 94-TP56.06

Title V Permitting Strategies for the South Coast Air Quality Management District

Author(s): JW Hower, JB Yorke, MA Webb

Annual Conference: 1994, Vol. 5

Paper ID: 94-TP56.07

Geographical Information System Technologies for Managing Environmental Databases

Author(s): GA Ohanesioan, A Kasprak, E Sweet

Annual Conference: 1994, Vol. 8

Paper ID: 94-TP57.01

Optimizing Management of Environmental Data Through Client/Server Architecture

Author(s): AP Baratta

Annual Conference: 1994, Vol. 8

Paper ID: 94-TP57.02

Designing and Implementing Integrated Databases for Environmental Applications: A Motor Vehicle Emissions Case Study

Author(s): IG Cicero, M Hostak, R Susnowitz

Annual Conference: 1994, Vol. 8

Paper ID: 94-TP57.03

Quality Assurance Quality Control Review of Laboratory Data or Data Validation

Author(s): CA Bottfer, ML Reilly Annual Conference: 1994, Vol. 8

Paper ID: 94-TP57.04

Managing Environmental Data Implementation Techniques Based on an Open System Platform

Author(s): J Eklund, RA Nielsen Annual Conference: 1994, Vol. 8

Paper ID: 94-TP57.05

AIRS-Voyager Data Delivery System: Implementation and Experiences

Author(s): TL Oberman, RB Husar, A Juric

Annual Conference: 1994, Vol. 8

Paper ID: 94-TP57.07

California's Air Quality Curriculum Compendium Project

Author(s): CW Brink, CM Thompson, RP Wetherall

Annual Conference: 1994, Vol. 8

Paper ID: 94-TP58.01

Don't Light Tonight'' A Voluntary Program to Reduce Woodsmoke Emissions FALSE

Author(s): TG Lee

Annual Conference: 1994, Vol. 8

Paper ID: 94-TP58.02

Plugging the Leaks-EPA's Environmental Education Program

Author(s): AA Pope DK Filio Annual Conference: 1994, Vol. 8

Paper ID: 94-TP58.03

Use of Energy and Environmental Issues to Promote Critical Thinking and Technological Decision Making Skills in High School Students

Author(s): SA Jones, G Louis, I Nair Annual Conference: 1994, Vol. 8

Paper ID: 94-TP58.04

The Development of Environmental Literacy in College Students

Author(s): DA Drum

Annual Conference: 1994, Vol. 8

Paper ID: 94-TP58.05

A Unique Approach to Academic and Professional Training of Engineers and Scientists

Author(s): L Theodore, J Mycock, J Reynolds

Annual Conference: 1994, Vol. 8

Paper ID: 94-TP58.06

Historic Patterns of CO2 Emissions from Fossil Fuels: Implications for Stabilization of Emissions

Author(s): RJ Andres, G Marland Annual Conference: 1994, Vol. 1A

Paper ID: 94-TP59.01

Global Change and Air Quality: Linkages Involving Tropospheric Chemistry

Author(s): EP Olaguer, RE Bailey Annual Conference: 1994, Vol. 1A

Paper ID: 94-TP59.02

Integrating Climatological Models to Crop Response Models

Author(s): WL Decker

Annual Conference: 1994, Vol. 1A

Paper ID: 94-TP59.03

Information Management for Global Environmental Change, Including the Carbon Dioxide Information Analysis Center

Author(s): FW Stoss

Annual Conference: 1994, Vol. 1A

Paper ID: 94-TP59.04

Integrating Global Climate Models into Assessment of Forest Response

Author(s): RC Musselman, WJ Massman, LA Joyce

Annual Conference: 1994, Vol. 1A

Paper ID: 94-TP59.05

Short Term CO Mitigation Options from Electric Utilities in Taiwan

Author(s): JH Wei, J Bai

Annual Conference: 1994, Vol. 1A

Paper ID: 94-TP59.06

Methane Emissions from Abandoned Underground Coal Mines

Author(s): E Ringler, S Piccot, DM Kirchgessner

Annual Conference: 1994, Vol. 1A

Paper ID: 94-TP59.07

Integrated Science Model for Assessment of Climate Change

Author(s): AK Jain, HS Kheshgi, DJ Wuebbles

Annual Conference: 1994, Vol. 1A

Paper ID: 94-TP59.08

Program to Develop Advanced Gas Turbine Systems

Author(s): HA Webb, WP Parks Annual Conference: 1994, Vol. 11

Paper ID: 94-TP60.01

Utilizing High-Efficiency, Cost-Effective Power Plants for Pollution Prevention and Energy Conservation

Author(s): S van der Linden Annual Conference: 1994, Vol. 11

Paper ID: 94-TP60.02

Gas Turbine Power Generation-Status and Environmental Consideration

Author(s): JC Corman

Annual Conference: 1994, Vol. 11

Paper ID: 94-TP60.03

Use of Solid Waste Materials to Reevaluate & Reclaim a Former Lime Spoil Impoundment Area

Author(s): JC Sferra, MA Bono, SW Weber

Annual Conference: 1994, Vol. 12

Paper ID: 94-TP61.01

Waste to Energy: A Review of the ALCOSAN Project

Author(s): GM Seela, NJ Marchese, LA Lundberg

Annual Conference: 1994, Vol. 12

Paper ID: 94-TP61.02

Techniques for Minimizing Total Hydrocarbon Emissions from Sludge Incineration Systems

Author(s): LA Lundberg, FM Lewis Annual Conference: 1994, Vol. 12

Paper ID: 94-TP61.03

Anacrobic and Aerobic Sludge Digestion: Can They Fill the Hill Under "503"?

Author(s): J Sandino, GF Shrimp Annual Conference: 1994, Vol. 12

Paper ID: 94-TP61.04

EPA's new 40 CFR Part 503 Sludge Incineration Regulations: An Ongoing Test Case of Cross-Media Regulation

Author(s): CS Hibbard, ET Serjak Annual Conference: 1994, Vol. 12

Paper ID: 94-TP61.05

Three-Year Assessment of an Incinerator Operator Training Program in Maryland

Author(s): L Anderson

Annual Conference: 1994, Vol. 12

Paper ID: 94-TP61.06

Removal and Recovery of Mercury from Contaminated Soil and Debris

Author(s): TE Weyand, CJ Koshinski, W Baum

Annual Conference: 1994, Vol. 13

Paper ID: 94-TP62.01

The Minimum Additive Waste Stabilization (MAWS) Demonstration Program at the Fernald Site

Author(s): LL Pegg

Annual Conference: 1994, Vol. 13

Paper ID: 94-TP62.02

New and Innovative Methods for Characterization and Remediation of Manufactured Gas Plant Sites

Author(s): WB Linsey

Annual Conference: 1994, Vol. 13

Paper ID: 94-TP62.03

Effectiveness of Innovative Technologies for Treatment of Hazardous Soil

Author(s): RJ Weisman, SM Falatko, BP Kuo

Annual Conference: 1994, Vol. 13

Paper ID: 94-TP62.04

Stabilization of Metal Contaminated Paint Removal Wastes in a Comentitious Matrix Containing Blast Furnace Slag

Author(s): JH Boy, TD Race, KA Reinbold

Annual Conference: 1994, Vol. 13

Paper ID: 94-TP62.05

Land Containment System Horizontal Grout Barrier A Method for In Situ Waste Management

Author(s): DE Ridenour, RK Saugier Annual Conference: 1994, Vol. 13

Paper ID: 94-TP63.01

Assessment and Closure of the Riverfront Landfill, Kansas Citv. Missouri

Author(s): EB Clement, MM Katzman, AC Moll

Annual Conference: 1994, Vol. 13

Paper ID: 94-TP63.02

A Risk-Based Approach to the Design of a Vadose Zone Monitoring System for a Solid Waste Landfill

Author(s): SJ Cullen, JH Kramer, JR Luellen

Annual Conference: 1994, Vol. 13

Paper ID: 94-TP63.03

Costs Associated with Remediation of Municipal Solid Waste Landfills

Author(s): KS Chirbas, RE Vassilakis Annual Conference: 1994, Vol. 13

Paper ID: 94-TP63.04

Mercury Decontamination of a Chloralkali Plant in Alexander, Egypt

Author(s): R Vogelsberger, T Meschede Annual Conference: 1994, Vol. 15

Paper ID: 94-TP64.01

Field Experience with a Full-Scale Debris Washing Process

Author(s): ML Taylor, MA Dosani, DA Sanning

Annual Conference: 1994, Vol. 15

Paper ID: 94-TP64.03

Sensitivity and Uncertainly Analysis of Selected Species to Parameters in the RADM2 Mechanism

Author(s): D Gao, JB Milford Annual Conference: 1994, Vol. 1A

Paper ID: 94-WA65.01

The Impact of Different European Emission Inventories on Air Quality Modeling with the Regional Scale Modeling System EURAD

Author(s): H Hass, M Memmesheimer, A Ebel

Annual Conference: 1994, Vol. 1A

Paper ID: 94-WA65.02

Chemical and Physical Vertical Structure in Urban North Carolina for Ozone Control

Author(s): VP Aneja, JH Lawrimore, M Das

Annual Conference: 1994, Vol. 1A

Paper ID: 94-WA65.03

Atmospheric Measurements and Sources of Acetone in Denver, Colorado

Author(s): LG Anderson, JA Lanning, P Wolfe

Annual Conference: 1994, Vol. 1A

Paper ID: 94-WA65.04

An Assessment of Ozone-Precursor Relationships based on a Smog Production Model and Ambient Data

Author(s): TY Chang, MJ Suzio Annual Conference: 1994, Vol. 1A

Paper ID: 94-WA65.05

Formation and Removal Reactions of Hazardous Air Pollutants (HAPs)

Author(s): AS Kao

Annual Conference: 1994, Vol. 1A

Paper ID: 94-WA65.06

An Assessment of the Effect of the Uncertainties in Aromatic Chemistry on Predicted Oxidant Concentrations

Author(s): WT Stockwell, JB Milford, D Gao

Annual Conference: 1994, Vol. 1A

Paper ID: 94-WA65.07

Numerical Simulations of an Ozone Episode in the Tampa Bay Area

Author(s): JY Yeh, ET Allen Annual Conference: 1994, Vol. 1B

Paper ID: 94-WA66A.01

Evaluation of the Nested Grid Urban Airshed Model (UAM-V) Using the Extensive Lake Michigan Ozone Study

(LMOS) Field Study Data Base

Author(s): RE Morris, TC Myers, MA Yocke

Annual Conference: 1994, Vol. 1B

Paper ID: 94-WA66A.02

Performance Evaluation of the Lake Michigan Ozone Study (LMOS) Photochemical Modeling System

Author(s): PD Dolwick

Annual Conference: 1994, Vol. 1B

Paper ID: 94-WA66A.03

The Contribution VOC Emissions from Air Fresheners, Disinfectants and Insecticides Make to Ozone Formation in the New York City Metropolitan Area

Author(s): AK Warren, SB Hance Annual Conference: 1994, Vol. 1B

Paper ID: 94-WA66A.04

Sorbent Injection for Flue Gas Mercury Control

Author(s): R Chang, CJ Bustard Annual Conference: 1994, Vol. 4A

Paper ID: 94-WA68A.01

Trace Substance Emissions from Utilities: TRUE, CORE and Issue Integration

Author(s): L Levin

Annual Conference: 1994, Vol. 4A

Paper ID: 94-WA68A.02

Comprehensive Assessment of Air Toxics Emissions from Coal-Fired Power Plants

Author(s): CE Schmidt, TD Brown Annual Conference: 1994, Vol. 4A

Paper ID: 94-WA68A.03

Variability Analysis for Measurements of Trace Substances in Power Plant Stack Gas

Author(s): GP Behrens, P Chu Annual Conference: 1994, Vol. 4A

Paper ID: 94-WA68A.04

Criteria of a 40 CFR Part 63: Subpart H Monitoring Program with an Emphasis on the Interdependent Relationships between Environmental Contractor, Operations and Maintenance Personnel

Author(s): MR Hebert, JA Canale Annual Conference: 1994, Vol. 5

Paper ID: 94-WA69.01

Effectively Transitioning an Existing Fugitive Emissions Program to Comply with the Proposed SOCMIHAP Fugitive Emission Regulations

Author(s): A Scataglia

Annual Conference: 1994, Vol. 5

Paper ID: 94-WA69.02

Case Study Treating Fugitive Emissions with a Small-Scale Theratrix Flameless Thermal Oxidizer in a Class 1 Division 2 Classified Area

Author(s): KB Woods, WD Binder, JT Schofield

Annual Conference: 1994, Vol. 5

Paper ID: 94-WA69.03

Developing Environmental Regulatory Data Management System: A Case Study-The ''Old Way'' and the ''New Way''

Author(s): JD Rouge, KP Daly Annual Conference: 1994, Vol. 5

Paper ID: 94-WA69.04

Louisiana's Toxic Air Pollution Program and How Olin Chemical Has Complied: A Case Study

Author(s): NS Kukunoor, MR French Annual Conference: 1994, Vol. 5

Paper ID: 94-WA70.01

Implementation of Approval of State Programs and Delegation of Federal Authorities Rule-Section 112 (1) of th.of Clean Air Act Amendments

Author(s): SQ Milliken, TJ Smith, J Beloin

Annual Conference: 1994, Vol. 5

Paper ID: 94-WA70.02

Progress Report: EPA's Rulemaking Regarding Section 112 (g) of the New Clean Air Act

Author(s): TJ Smith, JC Kenkel, L Hutchinson

Annual Conference: 1994, Vol. 5

Paper ID: 94-WA70.03

Partitioning of Polycyclic Aromatic Hydrocarbons between Particulate and Gaseous Phases in Stack Gas from a Municipal Incinerator

Author(s): WMG lee, JC Chen Annual Conference: 1994, Vol. 4A

Paper ID: 94-WA74A.01

Control of Hazardous Air Pollutants Using a Commercial Biofilter

Author(s): RW Ziminski, J Yavorsky Annual Conference: 1994, Vol. 4A

Paper ID: 94-WA74A.02

Maximum Achievable Control Technology (MACT) for NOx Emissions from VOC Thermal Oxidation

Author(s): PB Nutcher, DA Lewandowski Annual Conference: 1994, Vol. 4A

Paper ID: 94-WA74A.03

Thermal Oxidation of Chlorinated Hydrocarbons from Batch Pharmaceutical Manufacturing Operations

Author(s): AF Bagley-Pride, NJ Hoerner Annual Conference: 1994, Vol. 4A

Paper ID: 94-WA74A.04

VOC Emissions Control: Options and Implementation for Carbon Disulfide Control

Author(s): LL Hunter, VS Engleman Annual Conference: 1994, Vol. 4A

Paper ID: 94-WA74A.05

Report of an Odorous Emissions Abatement System

Author(s): MK Sink

Annual Conference: 1994, Vol. 4A

Paper ID: 94-WA74A.06

The National Human Activity Pattern Survey (NHAPS): Use of Activity Data for Human Exposure Assessment

Author(s): WC Nelson, WR Ott, JP Robinson

Annual Conference: 1994, Vol. 9 Paper ID: 94-WA75A.01

Estimating Ozone Exposures in Philadelphia Using a Second-Generation Probabilistic Version of NEM

Author(s): T McCurdy, T Johnson, J Capel

Annual Conference: 1994, Vol. 9 Paper ID: 94-WA75A.02

A Total Human Exposure Model (THEM) for Respirable Suspended Particles (RSP)

Author(s): NE Klepeis, WR Ott, P Switzer

Annual Conference: 1994, Vol. 9 Paper ID: 94-WA75A.03

Analysis of Emissions from Residential Natural Gas Furnaces

Author(s): JV Ryan, RC McCrillis Annual Conference: 1994, Vol. 9 Paper ID: 94-WA75A.04

Industrial Approaches to Incorporating Operating Flexibility into Opening Permit Applications

Author(s): LA Lucurelli

Annual Conference: 1994, Vol. 8

Paper ID: 94-WA76.01

Air Pollution Control and Operational Flexibility: A Cooperative Effort between 3M and the Ventura County Air Pollution Control District

Author(s): JF Tucconi, KE Zozual Annual Conference: 1994, Vol. 8

Paper ID: 94-WA76.02

The Title V Permit--What Makes Sense for the Cement Industry

Author(s): MW Black

Annual Conference: 1994, Vol. 8

Paper ID: 94-WA76.03

Enhancement and Modernization of an Air Permit Management System: Is it Worth the Effort?

Author(s): WP Carlton, MP Humphreys Annual Conference: 1994, Vol. 8

Paper ID: 94-WA77.02

Integration of GIS Technology with Air Compliance for the Oak Ridge National Laboratory

Author(s): IA Gurney, MP Humphreys Annual Conference: 1994, Vol. 8

Paper ID: 94-WA77.03

QC Aspects of PCB Data from Environmental Samples

Author(s): OJ Vetter, Y Ding, V Kandarpa

Annual Conference: 1994, Vol. 8

Paper ID: 94-WA77.04

Reducing Pollution from Agricultural Burning A Case Study of the Sacraments Valley

Author(s): WA Arenstein, G Facca Annual Conference: 1994, Vol. 8

Paper ID: 94-WA78.01

Incorporating the Principles of Total Quality Management into the Environmental Audit Unit

Author(s): JR Thurman, DC Fuller Annual Conference: 1994, Vol. 8 Paper ID: 94-WA79A.01

Environmental Management Systems Reviews: Assessing Systemic Causes of Non-Compliance

Author(s): JB Allyn

Annual Conference: 1994, Vol. 8 Paper ID: 94-WA79A.02

Problems and Achievements with a Maturing Environmental Assessment Program: A RCRA Case Study

Author(s): FW Koozer

Annual Conference: 1994, Vol. 8 Paper ID: 94-WA79A.03

Case Study: Use of Environmental Compliance Audit as a Management Tool for Car Rental Facilities

Author(s): PA Lehr, SL Presson Annual Conference: 1994, Vol. 8 Paper ID: 94-WA79A.04

Environmental Management Systems Assessment

Author(s): RS Green

Annual Conference: 1994, Vol. 8 Paper ID: 94-WA79A.05

When Does Pollution Prevention Equal LAER?

Author(s): B Garelick

Annual Conference: 1994, Vol. 10

Paper ID: 94-WA81.01

Corporate Goals/Facility Results: Case Studies from Navistar

Author(s): TW McDaniel, EM Ardiente Annual Conference: 1994, Vol. 10

Paper ID: 94-WA81.02

Conducting a Life-Cycle Inventory: Practicalities of Information Acquisition and Quality Assessment

Author(s): BW Vigon, MA Curran Annual Conference: 1994, Vol. 10

Paper ID: 94-WA82.01

Life Cycle Inventory: A Residential Carpeting Case Study

Author(s): MA Curran, BW Vigon Annual Conference: 1994, Vol. 10

Paper ID: 94-WA82.02

Life Cycle Cost Management: A Business Oriented Approach to Environmental Stewardship

Author(s): J Mullin, D Gess, D Cohan Annual Conference: 1994, Vol. 10

Paper ID: 94-WA82.03

Mandated Recycling Rates: Impacts on Energy Consumption and Municipal Solid Waste Volume

Author(s): LL Gaines, F Stodolsky Annual Conference: 1994, Vol. 10

Paper ID: 94-WA82.04

Making Life Cycle Assessment (LCA) Affordable for Small and Medium Business in Canada

Author(s): A Husserini

Annual Conference: 1994, Vol. 10

Paper ID: 94-WA82.05

Application of Macro Material Flow Modeling to Regional Solid Waste Planning

Author(s): GM Holter, dc Stapp, SR Shaver

Annual Conference: 1994, Vol. 12 Paper ID: 94-WA83A.01

Value-Added Products from Scrap Tires & Waste Motor Oil

Author(s): S Saraf, CY Cha, FD Guffey Annual Conference: 1994, Vol. 12 Paper ID: 94-WA83A.02

Implementation of Environmental Shopping Educational Campaigns: Preliminary Results of a New York Case Study

Author(s): MJ Clarke

Annual Conference: 1994, Vol. 12

Paper ID: 94-WA83A.03

Source Reduction and Consumer Attitudes: Is There a Connection?

Author(s): AM Kugler

Annual Conference: 1994, Vol. 12

Paper ID: 94-WA83A.04

Experimental Design and Data Analysis for In Situ Biotreatability Study

Author(s): CG Peng, JS Chen Annual Conference: 1994, Vol. 13

Paper ID: 94-WA84A.01

Solidification/Stabilization Closure of Electroplating Wastewater Treatment Lagoons: A Case History

Author(s): DR Showers, MT Bazydola, JL Pintenich

Annual Conference: 1994, Vol. 13

Paper ID: 94-WA84A.02

Treatment of a Simulated High-Strength Dinitrotoluene Wastewater in a Two-Stage Biological System

Author(s): SL VanderLoops, MT Suidan, MA Moteleb

Annual Conference: 1994, Vol. 13 Paper ID: 94-WA84A.03

Anaecrobic Biodegradation of Pentachlorophenol: Optimization of Empty Bed Contact Time in Fluidized Bed GAC Bioreactors

Author(s): GJ Wilson, AP Khodadoust, MT Suidan

Annual Conference: 1994, Vol. 13 Paper ID: 94-WA84A.04

Biodegradation of Chloroform Under Methanogenic and Sulfate Reducing Conditions Using Acetate as the Primary Substrate

Author(s): M Gupta, D&A Gupta Annual Conference: 1994, Vol. 13 Paper ID: 94-WA84A.05

Production and Control of Polychlorinated Dibenzo-p-Dioxins and Dibenzofurans in Incineration Systems: A Review

Author(s): P Williamson

Annual Conference: 1994, Vol. 13

Paper ID: 94-WA85.01

Dioxin Emissions and Congener Distributions Resulting from Hazardous Waste Incineration

Author(s): JJ Heible, D Hlustick Annual Conference: 1994, Vol. 13

Paper ID: 94-WA85.02

Complete and Safe Incineration of CFC-11 Containing Polyurethane Foam

Author(s): D Golomb, EF Barry, WF Lien Annual Conference: 1994, Vol. 13

Paper ID: 94-WA85.03

Measured Dioxin Emissions from a Pilot Scale Rotary Kiln Incinerator

Author(s): LR Waterland, S Venkatesh Annual Conference: 1994, Vol. 13

Paper ID: 94-WA85.04

The Emissions of Hazardous Substances Caused by a Medical Waste Incineration

Author(s): K Yasunda, M Takahashi Annual Conference: 1994, Vol. 13

Paper ID: 94-WA85.05

Effects of Climatological Variability on the Performance of Vegetation Systems in Remediating Contaminated Soil

Author(s): JC Tracy, H Ramireddy, LE Erickson

Annual Conference: 1994, Vol. 14A

Paper ID: 94-WA86.01

Populus spp. (poplar) Capabilities and Relationships to Landfill Water Management

Author(s): LA Licht

Annual Conference: 1994, Vol. 14A

Paper ID: 94-WA86.02

Ecolotree Buffer for Landfill Leachate Management Installation and Operational Summary

Author(s): M Madison, LA Licht, D Wilson

Annual Conference: 1994, Vol. 14A

Paper ID: 94-WA86.03

Biodegradation in the Rhizosphere Analysis of Beneficial Effects of Vegetation

Author(s): LE Erickson, LC Davis, SK Santharam

Annual Conference: 1994, Vol. 14A

Paper ID: 94-WA86.04

Assessment and Remediation of a Mixed Waste Site near Kenai, Alaska

Author(s): KL Marcus, SR Rog, RC Donovan

Annual Conference: 1994, Vol. 14A

Paper ID: 94-WA87.01

Implementation of the Remedial Action at the Republic, Missouri Superfund Site

Author(s): WB Lindsey, DJ Heinze, GP Vierkant

Annual Conference: 1994, Vol. 14A

Paper ID: 94-WA87.02

Approaching the Complete Remediation of Petroleum Contaminated Soil and Groundwater-A Case History

Author(s): RC Cromwell, JC Alberts Annual Conference: 1994, Vol. 14A

Paper ID: 94-WA87.03

The Need for an Enhanced Federal Role in Recycling Technology

Author(s): RI Stressel, CJ Spindler Annual Conference: 1994, Vol. 12

Paper ID: 94-WP100.01

Reusing Transformer Oil Contaminated Gravel in Asphalt Paving Mixes

Author(s): AF Mikkelsen

Annual Conference: 1994, Vol. 12

Paper ID: 94-WP100.02

Windorow Composing Site Design

Author(s): JD Lindeberg

Annual Conference: 1994, Vol. 12

Paper ID: 94-WP100.03

Governmental/Industrial Recycling Partnership Success Story or A Waste is a Terrible Thing to Mind

Author(s): LE Robinson

Annual Conference: 1994, Vol. 12

Paper ID: 94-WP100.04

Comparison of the Environmental Effects of Aerobic and Anacrobic Composing Technologies

Author(s): SA Vigil, G Tchbanogloss Annual Conference: 1994, Vol. 12

Paper ID: 94-WP100.05

An Assessment of the Impact of Various Waste Management Strategics on Methane Emissions from Landfills in the Year 2000

Author(s): MT Scholtz, V Cassaday, L Patenaude

Annual Conference: 1994, Vol. 12

Paper ID: 94-WP100.06

Operational Feasibility of the Nitrification of an Organic Ion Exchange Resin

Author(s): TN Sargent, Jr., DM Bennert, TJ Overcamp

Annual Conference: 1994, Vol. 13

Paper ID: 94-WP101.01

EPA's New Policy on Hazardous Waste Combustion-What Does It Mean to You?

Author(s): WR Schofield, JB Herron Annual Conference: 1994, Vol. 13

Paper ID: 94-WP101.02

Implications of EPA's Draft Combustion Strategy on Permitting and Retrofit of Hazardous Waste Incinerators and BIFs

Author(s): RA Rothstein, P Bilig, GW Siple

Annual Conference: 1994, Vol. 13

Paper ID: 94-WP101.03

Hazardous Encapsulation of Heavy Metals

Author(s): MJ Harrell

Annual Conference: 1994, Vol. 13

Paper ID: 94-WP101.04

Thermal Encapsulation of Heavy Metals

Author(s): JN Lees, H&MK Richards Annual Conference: 1994, Vol. 13

Paper ID: 94-WP101.05

Purification of Carbofuran Hydrolase from a Pseudomonas sp. And Its Application in Decontamination of Pesticide Waste

Author(s): A Mateen, J Walker, GR Chaudhry

Annual Conference: 1994, Vol. 14A

Paper ID: 94-WP102.01

Effects of Sparging on Groundwater Hydraulics and Groundwater Quality

Author(s): PAB Newman, FS Petersen, PE Boersma

Annual Conference: 1994, Vol. 14A

Paper ID: 94-WP102.02

In Situ Vadose Zone Bioremediation of Diesel in Shallow Unsaturated Soil

Author(s): D Graves, S Burnham Annual Conference: 1994, Vol. 14A

Paper ID: 94-WP102.03

Treatment of Phenol-and Xylene Impacted Groundwater Using an Automated Fixed Film Biological Treatment Unit

Author(s): TB Holbrook

Annual Conference: 1994, Vol. 14A

Paper ID: 94-WP102.04

Mechanisms that Govern the Successful Application of Sparging Technologies

Author(s): MC Marley, EX Droste, RJ Cody

Annual Conference: 1994, Vol. 14A

Paper ID: 94-WP102.05

In Situ Bioremediation of Petroleum Hydrocarbons: Lessons Learned in Process Technology

Author(s): BL Clark, R Colombo Annual Conference: 1994, Vol. 14A

Paper ID: 94-WP102.06

The Wastewater Management from Microelectronics Fabrication Processes using Fibre Optic Sensors

Author(s): D Gh. Ultieru

Annual Conference: 1994, Vol. 14A

Paper ID: 94-WP103.01

In Situ Remediation of Dissolved Chromate-Ion Contamination of Ground Water

Author(s): JV Rouse, JG Whellock Annual Conference: 1994, Vol. 14A

Paper ID: 94-WP103.02

Treatment of Volatile Organic Compounds from Air Stripper Operations Using Specialized Adsorbents

Author(s): CN Craven, PG Blystone, a Grant

Annual Conference: 1994, Vol. 14A

Paper ID: 94-WP103.03

Development of Surfactant Solutions for Oil and DNAPL Recovery in Aquifers: Laboratory and Field Procedures Using Model Oils

Author(s): R Martel, PJ Gelinas Annual Conference: 1994, Vol. 14A

Paper ID: 94-WP103.04

Colloid Sorption Filter Removal of Heavy Metal, Uranium and Transuranic Water Pollutants

Author(s): TS Johnson

Annual Conference: 1994, Vol. 14A

Paper ID: 94-WP103.05

A Surfactant Approach for Locating and Removing Dense Nonaqueous Phase Liquids In-Situ

Author(s): GW Butler, A Haug, RE Jackson

Annual Conference: 1994, Vol. 14B

Paper ID: 94-WP104.01

Enhanced Solubility and Bioavailability of Chlorinated Biphenyls and Phenanthrene Using Biosurfactant

Author(s): KG Robinson, WP Hunt, Z Shi Annual Conference: 1994, Vol. 14B

Paper ID: 94-WP104.02

Polyelectrolyte/Surfactant Complexes for Water Remediation: Fundamentals and Perspectives

Author(s): VA Kabanov, AB Zezin, VA Kasaikin

Annual Conference: 1994, Vol. 14B

Paper ID: 94-WP104.03

In-Situ Soil Flushing of Nonaqueous Phase Organic Liquids Using Colloidal Gas Aphron Suspensions and Conventional

Author(s): D Roy, RR Kommalapati, PG Chaphalkar

Annual Conference: 1994, Vol. 14B

Paper ID: 94-WP104.04

The Use of Solubilizing Surfactants to Remove Pooled DNAPL under Upward Gradient Conditions

Author(s): BL Longino, BH Kueper Annual Conference: 1994, Vol. 14B

Paper ID: 94-WP104.05

Anionic Surfactant Enhanced Hydrocarbon Degradation by Pure Strains and Bran Sorbed Microbial Consortia

Author(s): SA Churchill, IA Jefcoat, PF Churchill

Annual Conference: 1994, Vol. 14B

Paper ID: 94-WP104.06

An Implicit-Explicit Hybrid Solver for a System of Stiff Kinetic Equations

Author(s): P Sun, DP Chock, SL Winkler Annual Conference: 1994, Vol. 1B

Paper ID: 94-WP66B.01

A Comparison of Stiff Chemistry Solvers for Air Quality Modeling

Author(s): DP Clock, SL Winkler, P Sun Annual Conference: 1994, Vol. 1B

Paper ID: 94-WP66B.02

Redesignation of Southeast Michigan as Attainment for Ozone

Author(s): HW Balentine, WR Oliver, C Hersey

Annual Conference: 1994, Vol. 1B

Paper ID: 94-WP66B.03

Photochemical Urban Airshed Modeling Using Diagnostic and Dynamic Meteorological Fields

Author(s): JM Godowitch, JM Vukovich Annual Conference: 1994, Vol. 1B

Paper ID: 94-WP66B.04

PISCES Field Chemical Emission Measurement Program-Recent Emission Results from Oil-Fired Power Plants

Author(s): P Chu, M McDannel, G Behrens

Annual Conference: 1994, Vol. 4A

Paper ID: 94-WP68B.01

A Method for Estimating Emissions of Trace Substances from Power Plants

Author(s): GP Behrens, P Chu, W Chow Annual Conference: 1994, Vol. 4A

Paper ID: 94-WP68B.02

Air Toxic Risk Assessment Comparison for Fossil Fuel Use for Electric Power Production

Author(s): LB Gratt

Annual Conference: 1994, Vol. 4A

Paper ID: 94-WP68B.03

Air Toxics Issues for Power Production

Author(s): LB Zeugin

Annual Conference: 1994, Vol. 4A

Paper ID: 94-WP68B.04

Case Study: Using a Thermatirix Flameless Oxidizer to Treat Chlorinated Air Toxic Emissions

Author(s): WD Binder, KB Woods, JT Schofield

Annual Conference: 1994, Vol. 4A

Paper ID: 94-WP74B.01

The Utilization of the BRAYSORB Technology in Dry Solvent Recovery from Humid Streams

Author(s): JL Kovach, JC Enneking Annual Conference: 1994, Vol. 4A

Paper ID: 94-WP74B.02

Vapor Abatement System for a Multi-Product Marine Terminal

Author(s): L Larrinaga, J Panzarelia, T Hall

Annual Conference: 1994, Vol. 4A

Paper ID: 94-WP74B.03

Air Toxics Emissions Control: Application and Design

Author(s): JJ Santoleri, DL Corwin, JJ Sudnick

Annual Conference: 1994, Vol. 4A

Paper ID: 94-WP74B.04

Thermal Toxidation: The Final Control

Author(s): JJ Sudnick

Annual Conference: 1994, Vol. 4A

Paper ID: 94-WP74B.05

Evaluation of Adsorption and Incineration Systems for Air Toxic Emission Control in the Semiconductor Industry

Author(s): RE Kenson

Annual Conference: 1994, Vol. 4A

Paper ID: 94-WP74B.06

VOC Removal with Unique Mist Scrubber

Author(s): HJ Rafson

Annual Conference: 1994, Vol. 4A

Paper ID: 94-WP74B.07

Sensitivity Analysis of a Monte Carlo Exposure Assessment Model for Acidic Aerosols and Gases

Author(s): S Hayes, S Pye, L Levin Annual Conference: 1994, Vol. 9 Paper ID: 94-WP75B.01

Assessing real Human Health Risks in the RCRA Corrective Action Program by Overcoming Common Pitfalls in the Exposure Assessment Process

Author(s): te Rodriguez, RE Keenan, LB Walker

Annual Conference: 1994, Vol. 9 Paper ID: 94-WP75B.03

Determining Prioritization of Remedial Actions at an International Airport

Author(s): PV Cline, V Collier-Vick Annual Conference: 1994, Vol. 9 Paper ID: 94-WP75B.04

Integrating Dispersion Modeling, Receptor Modeling and Air Monitoring to Apportion Incinerator Impacts for Exposure Assessment

Author(s): HW Ma, DL Fox, S Mukerjee Annual Conference: 1994, Vol. 9 Paper ID: 94-WP75B.05

Accomplishments and Lessons Learned in Development and Implementation of an Environmental Auditing Program

Author(s): WT Swallow Annual Conference: 1994, Vol. 8 Paper ID: 94-WP79B.01

Audit Criteria for Environmental Management System-A Canadian Perspective

Author(s): JD Phyper, J McDougall Annual Conference: 1994, Vol. 8 Paper ID: 94-WP79B.02

Environmental Audits: Assessing Suppliers

Author(s): G Woodside, K Takvam, S Hurwitz

Annual Conference: 1994, Vol. 8

Paper ID: 94-WP79B.03

Management Systems Auditing-Root Cause Analysis Benchmarking and Evaluation of Management Systems Facilitated by Specialized Software

Author(s): PA Mandelbaum Annual Conference: 1994, Vol. 8

Paper ID: 94-WP79B.04

Environmental Auditing within a Decentralized Management Philosophy

Author(s): EA Blackford, P Burger Annual Conference: 1994, Vol. 8 Paper ID: 94-WP79B.05

Evaluating Environmental Management Systems in Asia: A Perspective

Author(s): PJ Stapleman Annual Conference: 1994, Vol. 8 Paper ID: 94-WP79B.06

A Decision Support Systems for Integrated Solid Waste Management Planning

Author(s): ML MacDonald Annual Conference: 1994, Vol. 12 Paper ID: 94-WP83B.01

Waste Exchanges--Opportunities to Increase Operating Efficiency and Financial Self-Sufficiency

Author(s): KL De

Annual Conference: 1994, Vol. 12

Paper ID: 94-WP83B.02

Stock Farming Agriculture and Waste Emission Control Based on Open-Path FTIS and In Situ Measurements

Author(s): R Haus, K Schifer, J Heland Annual Conference: 1994, Vol. 12 Paper ID: 94-WP83B.03

Operating Parameters of Partial Incineration of Plastic Waste

Author(s): MY Wey, CH LO, SY Wu Annual Conference: 1994, Vol. 12 Paper ID: 94-WP83B.04

Treatability Tests for In Situ Bioremediations (Bioaugmentations)

Author(s): OJ Vetter, V Kandarpa, G Mears Annual Conference: 1994, Vol. 13

Paper ID: 94-WP84B.01

Vitrification Treatability Study Testing for Fernald Mixed Wastes

Author(s): SS Fu, IL Pegg Annual Conference: 1994, Vol. 13 Paper ID: 94-WP84B.02

Remediation of Mixed Wastes in Soils by Combined Biological and Chelation Technologies

Author(s): RJ Poriter

Annual Conference: 1994, Vol. 13

Paper ID: 94-WP84B.03

Treatability testing for Base-Catalyzed Decomposition of PCHs

Author(s): PR Lear, M Laski Annual Conference: 1994, Vol. 13 Paper ID: 94-WP84B.04

Bench-Scale Biological Treatability Testing on Contaminated Sediments

Author(s): MA Dosani, JS Platt, D Timberlake

Annual Conference: 1994, Vol. 13

Paper ID: 94-WP84B.05

Evaluation of Time-Variable PM Concentrations in the Ambient Air of Yosemite Valley

Author(s): WB Mills, J Loh, B Shah Annual Conference: 1994, Vol. 1B

Paper ID: 94-WP88.01

Atmospheric Deposition Studies in Rural Forested Areas of the Southeastern United States

 $\label{eq:Author} \mbox{Author(s): ER Allen, N Cabrera, JC Kim} \\ \mbox{Annual Conference: } 1994, Vol. \ 1B$

Paper ID: 94-WP88.02

Correlation between Atmospheric Particle and Meteorological Data in Mexico City (1989/1990)

Author(s): I Kreimer, jm Otero, V M Alvarez

Annual Conference: 1994, Vol. 1B

Paper ID: 94-WP88.03

Comparison of Aerosol Chemistry and Precipitation Chemistry at a Rural Midwestern Site

Author(s): GJ Stensland, VC Bowersox, W Occhiogrosso

Annual Conference: 1994, Vol. 1B

Paper ID: 94-WP88.04

Atmospheric Observation of Nitrogen Dioxide in Seattle, Washington

Author(s): GA Norris, S Erdal, TV Larson Annual Conference: 1994, Vol. 1B

Paper ID: 94-WP88.05

A Traer Study Evaluation of ISCST under Downwash Conditions in the 3bb-10bb Region

Author(s): JE Lindberg, DS Clemens, DR Hemenway

Annual Conference: 1994, Vol. 1B

Paper ID: 94-WP89.01

Atmospheric Dispersion Modeling for Industrial Sites Situated in Regions of Complex Terrain Gaining Regulatory Approval in the U.K.

Author(s): TB Staples, AM Riddle Annual Conference: 1994, Vol. 1B

Paper ID: 94-WP89.02

A Numerical Simulation of Airflows over Complex Terrain with a Four-Dimensional Data Assimilation Method

Author(s): T Yamada, T Henni Annual Conference: 1994, Vol. 1B

Paper ID: 94-WP89.03

CTDMPLUS Modeling Program Development and Implementation at the ASARCO Primary Lead Smelter

Author(s): PA Catizone, DR Murray, TD Coble

Annual Conference: 1994, Vol. 1B

Paper ID: 94-WP89.04

Formaldehyde and Nitrogen Dioxide Concentrations Inside and Outside of Homes in California

Author(s): SD Colome, CA Garrison, AL Wilson

Annual Conference: 1994, Vol. 2

Paper ID: 94-WP90.01

Radon Concentrations Inside California Homes

Author(s): EW Becker, JV Behar, AL Wilson

Annual Conference: 1994, Vol. 2

Paper ID: 94-WP90.02

Benzene and Toluene Concentrations Inside and Outside of Homes in California

Author(s): SD Colome, K Fung, DW Behrens

Annual Conference: 1994, Vol. 2

Paper ID: 94-WP90.03

Carbon Monoxide Concentration Inside and Outside of Homes in California

Author(s): AL Wilson, SD Colome, Y Tian

Annual Conference: 1994, Vol. 2

Paper ID: 94-WP90.04

California Residential Indoor Air Quality Study: Methodology

Author(s): IH Billick, AL Wilson, SD Colome

Annual Conference: 1994, Vol. 2

Paper ID: 94-WP90.05

California Residential Indoor Air Quality Study: An Overview

Author(s): DW Behens, EW Becker, IH Billick

Annual Conference: 1994, Vol. 2

Paper ID: 94-WP90.06

The Impact of Diesel Particulate Emissions on Ambient Particulate Loadings

Author(s): DN Wittorff, aw Gerbr, JC Chow

Annual Conference: 1994, Vol. 4B

Paper ID: 94-WP91.01

Comparison of Tail-Pipe Emissions from Motorcycle and Passenger Cars

Author(s): CC Chan, CG Nain, CY Tsai Annual Conference: 1994, Vol. 4B

Paper ID: 94-WP91.02

Carcinogenic Risk from an Urban Intersections

Author(s): C Chapin, J Reisman Annual Conference: 1994, Vol. 4B

Paper ID: 94-WP91.03

A Structural Time Series Assessment of the Effectiveness of the Oxygenated Fuel Program in Reducing Carbon Monoxide Concentrations in Five Western U.S. Cities

Author(s): P Wolfe, LG Anderson, JA Lanning

Annual Conference: 1994, Vol. 4B

Paper ID: 94-WP91.04

Air Toxics Background Riske in Urban Area

Author(s): RN Hazelwood

Annual Conference: 1994, Vol. 4B

Paper ID: 94-WP91.05

Sources Projected Emission Trends and Exposure Issues for 1,3 Butadiene

Author(s): MP Ligocki, JL Fieber, JC Ball

Annual Conference: 1994, Vol. 4B

Paper ID: 94-WP91.06

Design of Low Emission Sewers

Author(s): RL Corsi, C Quigley Annual Conference: 1994, Vol. 4B

Paper ID: 94-WP92.01

Managing and Estimating VOC Emissions from a Waste Management Facility for a State Permit

Author(s): HM Sung, MD Wilson Annual Conference: 1994, Vol. 4B

Paper ID: 94-WP92.03

Study of Biofiltration for Control of VOC and Toxics Emission from Wastewater Treatment Plants

Author(s): EM Torres, S Basrai, L Carlson

Annual Conference: 1994, Vol. 4B

Paper ID: 94-WP92.04

Emission from Combustion Sources at Wastewater Treatment Plants

Author(s): EM Torres, V Kogan, T Ahn Annual Conference: 1994, Vol. 4B

Paper ID: 94-WP92.05

Volatile Organic Compound Emission Factors for Publicly Owned Treatment Works

Author(s): H Park, G Mayer Annual Conference: 1994, Vol. 4B

Paper ID: 94-WP92.06

Clean Fuel Fleet Provisions of the 1990 Clean Air Act Amendments and the 1992 Energy Policy Act: Summary of Implications and Considerations

Author(s): JF Anderson, P Pitton Annual Conference: 1994, Vol. 6A

Paper ID: 94-WP93.01

Cost-Effectiveness of Low Emission Vehicles Relative to Other Mobile Source Control Measures

Author(s): RC Anderson, TJ Lareau Annual Conference: 1994, Vol. 6A

Paper ID: 94-WP93.02

Electric Vehicles: On the Road to Commercialization

Author(s): RT Hayden

Annual Conference: 1994, Vol. 6A

Paper ID: 94-WP93.03

Gas-Phase Removal of HS and NH from Gas Streams via Dielectric Barrier Discharges

Author(s): MB Chang, TD Tseng Annual Conference: 1994, Vol. 6A

Paper ID: 94-WP94.01

Study on Adsorption of VOCs with Zeolite

Author(s): CT Chang, FT Jeng Annual Conference: 1994, Vol. 6A

Paper ID: 94-WP94.02

Reducing Odors and Odor Complaints from a POTW Compost Facility

Author(s): ST McPherson, JR Withersoon, MJ Wallis

Annual Conference: 1994, Vol. 6A

Paper ID: 94-WP94.03

Evaluating Existing Odor Control Equipment at POTWs for Air and Toxic Emissions Removal

Author(s): J Witherspoon, SJ Suzuki, JR Caudle

Annual Conference: 1994, Vol. 6A

Paper ID: 94-WP94.04

Volatile Organic Chemical Emissions at Waste Composing Facilities

Author(s): BD Eitzer

Annual Conference: 1994, Vol. 6A

Paper ID: 94-WP94.05

Chlorinated By-Product Formation in a Bench Scale Odor Scrubbing System

Author(s): DPY Chang, CC Chiang, T Kear

Annual Conference: 1994, Vol. 6A

Paper ID: 94-WP94.06

Cooling Tower Emission Quantification

Author(s): JH Blakney, RA Duffee Annual Conference: 1994, Vol. 6A

Paper ID: 94-WP94.07

Environmental Liability Financial Institutions--Today's

Exposures and Solutions

Author(s): BL Smith

Annual Conference: 1994, Vol. 7

Paper ID: 94-WP95.01

The Impacts of Environmental Regulations on the Banking Industry

Author(s): RW Aktas

Annual Conference: 1994, Vol. 7

Paper ID: 94-WP95.02

Making the Cost of UST Cleanup Affordable: A Key to Bringing Back the Banks!

Author(s): M Taylor, J Slaughter, T Schruben

Annual Conference: 1994, Vol. 7

Paper ID: 94-WP95.03

The Banking Industry: Environmental Exposures and Strategies for Risk Transfer and Financing

Author(s): SA Britt

Annual Conference: 1994, Vol. 7

Paper ID: 94-WP95.04

Balancing Environmental Risk Management Alternatives in the Banking Industry

Author(s): AK Buonicore

Annual Conference: 1994, Vol. 7

Paper ID: 94-WP95.05

Sustainable Development Poses New Responsibilities and Opportunities for Environmental Professionals

Author(s): FD Muschett

Annual Conference: 1994, Vol. 7

Paper ID: 94-WP96.01

Identifying Environmental Safety and Health Requirements for the Fernald Environmental Restoration Management Corporation

Author(s): WH Beckman, DJ Porco, SB Lindamood

Annual Conference: 1994, Vol. 7

Paper ID: 94-WP97.01

Use of the PCAD Computer Model for RCRA Subpart X Permitting

Author(s): RW Hayes, RO Frandsen Annual Conference: 1994, Vol. 13

Paper ID: 94-WP98.01

Health Risk Assessment (HRA) Guidance for OB/OD Facilities

Author(s): AM Eli

Annual Conference: 1994, Vol. 13

Paper ID: 94-WP98.02

Application of the Open Burning/Open Detonation Testing System to the Permitting Process

Author(s): MB Johson, DP Bacon Annual Conference: 1994, Vol. 13

Paper ID: 94-WP98.03

Problems in Airport Conformity Determinations and Steps That Have Been Taken to Solve Them

Author(s): HM Segal

Annual Conference: 1994, Vol. 8

Paper ID: 94-WP99.01

Air Quality Strategies and Management -Air Mobility Command

Author(s): RM Rehm, DA Sylvia Annual Conference: 1994, Vol. 8

Paper ID: 94-WP99.02

Development of a Top Down/Bottom Up Methodology for Comprehensive Coverage of Air Pollution Sources at U.S. Army Facilities

Author(s): MF Szabo, PJ Palmisano, BA Laseke

Annual Conference: 1994, Vol. 8

Paper ID: 94-WP99.03

Naval Air Emissions Tracking System

Author(s): C Pennington, D Price, R Moshage

Annual Conference: 1994, Vol. 8

Paper ID: 94-WP99.04

The Meteorological Monitoring Program at a Former Nuclear Weapons Plants

Author(s): DR Maxwell, BM Brown Annual Conference: 1994, Vol. 8

Paper ID: 94-WP99.05

A Summary of Uncertainties of Atmospheric Measurements

Author(s): NE Bowne

Annual Conference: 1993, Vol. 2

Paper ID: 93-FA-155.01

A Methodology for the Quality Assurance of Short Term Sodar Data

Author(s): SB Kendall, AW Bealer Annual Conference: 1993, Vol. 2 Paper ID: 93-FA-155.02

A Field Comparison of a Conventional Monstatic to a Phased Array Doppler SODAR

Author(s): PE Virag, SC Mauch, LM Militana

Annual Conference: 1993, Vol. 2

Paper ID: 93-FA-155.03

Development of Enhanced Audit Criteria to Assess the Performance of Doppler SODAR Systems

Author(s): PE Virag, SC Mauch, LM Militana

Annual Conference: 1993, Vol. 2 Paper ID: 93-FA-155.04

Wind Patterns in Northwestern Arizona Measured with Wind Profilers and Implications to Air Pollution in Grand Canyon National Park

Author(s): JE Gaynor, YJ Ping Annual Conference: 1993, Vol. 2 Paper ID: 93-FA-155.05

Measurements of Drainage Winds Along a Small Ridge

Author(s): GL Achtemeier Annual Conference: 1993, Vol. 2 Paper ID: 93-FA-155.06

Cost Effectiveness of Controlling Marine Vapors Generated During Loading of Low Vapor Pressure Crude Oils at an Offshore Terminal

Author(s): DK Bhuta, DH Christian, M Ludwiczak

Annual Conference: 1993, Vol. 4B

Paper ID: 93-FA-156.01

Calculation of Air Toxics Emissions from Storage Tanks

Author(s): TS Hurley, TR St.Clair Annual Conference: 1993, Vol. 4B

Paper ID: 93-FA-156.02

Various Technologies for the Collection of Marine Loading Vents

Author(s): LJ Vann

Annual Conference: 1993, Vol. 4B

Paper ID: 93-FA-156.03

Estimating Halogenated Air Emissions from Bulk Terminals

Author(s): KA Macoskey, A Roffman Annual Conference: 1993, Vol. 4B

Paper ID: 93-FA-156.04

Multimedia Management for Multimedia Enforcement

Author(s): DM McMannes Annual Conference: 1993, Vol. 14 Paper ID: 93-FA-157.01

Current Activities of the American Institute of Pollution Prevention (AIPP)

Author(s): DM Benforado, P Bartholomew, G Eklund

Annual Conference: 1993, Vol. 14

Paper ID: 93-FA-157.02

Emissions Trading Opportunities in a Declining Industry

Author(s): ML Newsom

Annual Conference: 1993, Vol. 14

Paper ID: 93-FA-159.01

Stopping the RECLAIM Express-Why CBE Opposes the Marketing of Pollution "Right" in the Los Angeles Basin

Author(s): JP Jenal

Annual Conference: 1993, Vol. 14

Paper ID: 93-FA-159.02

Market-Based Approaches to Compliance with the 1990 Clean Air Act Amendments

Author(s): TT Cromwell, NC Cookson Annual Conference: 1993, Vol. 14 Paper ID: 93-FA-159.03

Operational Implications of RECLAIM for Regulated Sources

Author(s): IH Tombach, E Ashworth, CL Morrow

Annual Conference: 1993, Vol. 14

Paper ID: 93-FA-159.04

Regional Clean Air Incentives Market (RECLAIM) a New Regulatory Program for the South Coast Air Basin

Author(s): JP Broadbent, J Whynot, TA Goss

Annual Conference: 1993, Vol. 14

Paper ID: 93-FA-159.05

The Clean Air Marketplace The Clean Air Act: Spurring Innovation, Jobs and Exports

Author(s): S Harper, E Pelton Annual Conference: 1993, Vol. 14

Paper ID: 93-FA-159.06

A Process fro Cleanup of Tar Contaminated Soil

Author(s): H Leibowitz, C Kuilk Annual Conference: 1993, Vol. 15 Paper ID: 93-FA-160.01

Characterization and Remediation of a Former Manufactured Gas Plant (MGP) Disposal Site

Author(s): IP Murarka, E Neuhauser, M Sherman

Annual Conference: 1993, Vol. 15 Paper ID: 93-FA-160.02

Focused Remedial Investigation Methodology for Manufactured Gas Plant Sites

Author(s): JA Ripp, M Sherman, JP Moreau

Annual Conference: 1993, Vol. 15

Paper ID: 93-FA-160.03

Down the Slippery Slope: Utility Incorporation of Environmental Externalities

Author(s): R Tempchin, JV den Berg, S Mitnick

Annual Conference: 1993, Vol. 13

Paper ID: 93-FA-161.01

1993 Environmental Software Survey

Author(s): SM Johnson

Annual Conference: 1993, Vol. 13

Paper ID: 93-FA-162.01

EPA's Information Management System for Tracking Reasonable Further Progress

Author(s): WR Barnard, CC Monroe, TA Dean

Annual Conference: 1993, Vol. 13

Paper ID: 93-FA-162.02

Information Management System for CAA Record Keeping Reporting & Monitoring

Author(s): Pt Le

Annual Conference: 1993, Vol. 13

Paper ID: 93-FA-162.03

The Application of Strategic Information Systems Planning for Site Assessment and Remediation

Author(s): EY Yang

Annual Conference: 1993, Vol. 13

Paper ID: 93-FA-162.04

Environmental Performance Assessment and Ranking of Petrochemcial Facilities

Author(s): GE Fink

Annual Conference: 1993, Vol. 13

Paper ID: 93-FA-162.05

Insights From a National Study of Potential Risks Due to Trace Emissions from Electric Utility Generating Plants

Author(s): D Room, D Cohan, L Levin Annual Conference: 1993, Vol. 14

Paper ID: 93-FA-163.01

International Environmental Initiatives on Heavy Metals

Author(s): EN Koren

Annual Conference: 1993, Vol. 14

Paper ID: 93-FA-163.02

PAH Emissions Reduction Program at a Horizontal Stud Soderberg Plant at Jonquiere, Quebec, Canada and the Reduction of B[a]P in Ambient Air (1985-1992)

Author(s): R Violette, R Gariepy, AL Proulx

Annual Conference: 1993, Vol. 14

Paper ID: 93-FA-163.03

Meeting Your Monitoring Requirements

Author(s): GH Wagner II

Annual Conference: 1993, Vol. 2

Paper ID: 93-FA-164.01

QA/QC of Hourly Average from Dataloggers Using Minute Average

Author(s): SJ Penkala

Annual Conference: 1993, Vol. 2

Paper ID: 93-FA-164.02

Minimizing Routine Manual Checking with Computerized Maintenance for Continuous Emission Monitoring Systems

Author(s): JR White

Annual Conference: 1993, Vol. 2

Paper ID: 93-FA-164.04

Selected Applications of Remote Sensing Measurements with the Double Pendulum Interferometer in Germany with Special Consideration of Quality Assurance Aspects

Author(s): T Eisenmann, H Bittner, H Mosebach

Annual Conference: 1993, Vol. 8

Paper ID: 93-FA-165.01

Open Path and Extractive Monitoring of Stack Gases

Author(s): JA Draves, RL Spellicy, WF Herget

Annual Conference: 1993, Vol. 8

Paper ID: 93-FA-165.02

FT-IR Open Path Quality Assurance Data

Author(s): GM Russwurm, EL Thompson, JR Parsons

Annual Conference: 1993, Vol. 8

Paper ID: 93-FA-165.03

Large Biulk UST Leak Detection-R&D Project at a Navy Fuel Farm

Author(s): T Chaudhry, WJ Powers Annual Conference: 1993, Vol. 10

Paper ID: 93-FA-166.01

TANKMAN-The United States Army Computerized Tank Management System

Author(s): RC Haw, JE Lorenzen Annual Conference: 1993, Vol. 10

Paper ID: 93-FA-166.02

Overcoming Barriers to the Use of Innovative Corrective Action Technologies at Underground Storage Tank Sites

Author(s): DL Tremblay

Annual Conference: 1993, Vol. 10

Paper ID: 93-FA-166.03

Communicating Risk to Senior EPA Policy Makers: A Focus Group Study

Author(s): DL Bloom, DM Byrne, JM Andersen

Annual Conference: 1993, Vol. 11B

Paper ID: 93-FA-168.01

Modeling of Finite Duration HF Releases

Author(s): KW Steinberg, RL Peterson Annual Conference: 1993, Vol. 11B

Paper ID: 93-FA-168.02

CHEMRISK, A Multiple-Exposure Pathway Risk Assessment Model

Author(s): AF Temshy, LR Kneeland, LM Sims

Annual Conference: 1993, Vol. 11B

Paper ID: 93-FA-168.03

Application of Three-Dimensional Numerical Models to Emergency Response Management

Author(s): T Yamada

Annual Conference: 1993, Vol. 11B

Paper ID: 93-FA-168.04

Environmental Liability Risk Management for Environmental Professionals

Author(s): WP Gulledge

Annual Conference: 1993, Vol. 12

Paper ID: 93-FA-169.01

Climate Change Impacts on Electric Utilities: Results of a Study

 $\hbox{Author(s): L Levin}$

Annual Conference: 1993, Vol. 9

Paper ID: 93-FA-170.01

Terrestrial Carbon Sequestration and Storage from the Viewpoint of the Electric Utility Industry

Author(s): JD Kinsman, MC Trexler Annual Conference: 1993, Vol. 9

Paper ID: 93-FA-170.02

An Electric Utility Program to Address Global Warming

Author(s): MA Smith, TR Faie Annual Conference: 1993, Vol. 9

Paper ID: 93-FA-170.04

Global Change and National Energy Security: Issues, Research and Policy Strategies

Author(s): MA Lazaro

Annual Conference: 1993, Vol. 9

Paper ID: 93-FA-170.05

Treatment of Aged PCP Contaminated Soils

Author(s): AP Khodadoust, JA Wagner, MT Suidan

Annual Conference: 1993, Vol. 15

Paper ID: 93-FA-171.01

Biokinetic Studies on Degradation of Alkyl Phenols in Soil Slurry Reactors

Author(s): HH Tabak, L Lai, Z Yan Annual Conference: 1993, Vol. 15

Paper ID: 93-FA-171.02

Aerobic and Anaerobic Degradation of Selected Pesticides in Soils

Author(s): YH Atallah, SM Chen Annual Conference: 1993, Vol. 15

Paper ID: 93-FA-171.03

Bioremediation of a Subsurface Sediment Contaminated with Pyridine and Its Derivatives

Author(s): JM Bollag, Z Ronen, L Otjen Annual Conference: 1993, Vol. 15

Paper ID: 93-FA-171.04

Studies on Adsorption/Desorption Equilibria and Kinetics of Alkyl Phenols in Soil Slurry Reactors

Author(s): R Govind, X Yan, C Gao Annual Conference: 1993, Vol. 15

Paper ID: 93-FA-171.05

Bioventing with Soil Warming in Alaska

Author(s): GD Sayles, R Hinchee, RC Brenner

Annual Conference: 1993, Vol. 15

Paper ID: 93-FA-171.06

Develop the Microscale Air Quality Models of Near Road Area in Urban for Exposure Assessment

Author(s): JJ Liu, ft Teng Annual Conference: 1993, Vol. 2

Paper ID: 93-MP-1.01

Control Strategies vs. Meteorology, Case: Mexico City

Author(s): HA Bravo, R Sosa, GR Ocotia

Annual Conference: 1993, Vol. 2

Paper ID: 93-MP-1.02

Ozone Trends and Meteorology in Mexico City: An Exploratory Analysis

Author(s): PC Fernandez, IM Guzman, MC Moucheron-

Hemmer

Annual Conference: 1993, Vol. 2

Paper ID: 93-MP-1.03

Photochemical Modeling of the Effects of Reformulated Fuels on Ozone in Canada

Author(s): R McLarsen, DL Singleton, G Paraskevopoulos

Annual Conference: 1993, Vol. 2

Paper ID: 93-MP-1.04

Air Quality and Motor Vehicle Emissions in Metro Manila

Author(s): DR Holtz, HS Deriada, LJ Bintz

Annual Conference: 1993, Vol. 2

Paper ID: 93-MP-1.05

Application of Meteorology and Modeling to Abating Pollution Problems in Ontario

Author(s): R Bloxam

Annual Conference: 1993, Vol. 2

Paper ID: 93-MP-1.06

Economic Policy Instruments for the Control of Air Pollution in Poland

Author(s): RW Bates

Annual Conference: 1993, Vol. 2

Paper ID: 93-MP-1.07

HC-Speciation in Mexico City-Initial Results

Author(s): MER Santoyo, K Gerner, R Seila

Annual Conference: 1993, Vol. 2

Paper ID: 93-MP-1.08

Total Suspended Particulate Levels and Prevalences of Upper Respiratory Illness in the Vaal Triangle, South Africa

Author(s): L Opperman, AP Terblanche, CM Nel

Annual Conference: 1993, Vol. 11A

Paper ID: 93-MP-11.01

Episode Criteria for PM10: A Lesson in Symbolic Regulation

Author(s): MJ Lipsett, BD Ostro Annual Conference: 1993, Vol. 11A

Paper ID: 93-MP-11.02

The Role of Particulate Mass vs. Acidity in the Sulfate-Respiratory Hospital Admissions Association

 $\hbox{Author(s): GD Thurston, K Ito, M Lippman}$

Annual Conference: 1993, Vol. 11A

Paper ID: 93-MP-11.03

Conceptual Design of the Computerized Annual Permit Emissions Program (APEP) for the South Coast Air Quality Management District

Author(s): L Bruckman, J Wilkinson, D Radin

Annual Conference: 1993, Vol. 12

Paper ID: 93-MP-13.01

Title V Operating Permit Program Planning Options

Author(s): A Brasher

Annual Conference: 1993, Vol. 12

Paper ID: 93-MP-13.02

Field Operating Experience with the Airtrak 2000

Author(s): AM Sacco, G Vetter Annual Conference: 1993, Vol. 2

Paper ID: 93-MP-14.01

Pesticide Emission Factors from Agricultural Soils

Author(s): MT Scholtz, CF Slama, EC Voldner

Annual Conference: 1993, Vol. 2

Paper ID: 93-MP-14.02

Multilevel Ozone Measurements Methodologies and Results

Author(s): D Bush, P Edwards, D Pankratz

Annual Conference: 1993, Vol. 2

Paper ID: 93-MP-14.03

Multiple-Source, Area-Wide SO Dispersion Modeling in the Billings-Laurel Area of Montana

Author(s): MG Maachler, MM Hofacker, J Pearson

Annual Conference: 1993, Vol. 2

Paper ID: 93-MP-14.04

Characteristics of Rural Ozone Concentrations in the Eastern US

Author(s): RJ Londergan, DJ McNaughton

Annual Conference: 1993, Vol. 2

Paper ID: 93-MP-14.05

Environmental monitoring and Reporting System

Author(s): DB Steele, RK Stow Annual Conference: 1993, Vol. 2

Paper ID: 93-MP-14.06

Use of AIRS for Assessing Air Quality Status and Trends

Author(s): WP Freas, BA Beard Annual Conference: 1993, Vol. 8

Paper ID: 93-MP-15.01

Guidelines for Emissions Inventories Using Data Management Techniques

Author(s): CW Raasch

Annual Conference: 1993, Vol. 8

Paper ID: 93-MP-15.02

The Use of the AIRS Facility Subsystem in the Development and Management of Title V Operating Permits

Author(s): DH Carnes, SR Tracy, DL Bielski

Annual Conference: 1993, Vol. 8

Paper ID: 93-MP-15.03

AIRS Graphics: A Data Exploration and Quality Assurance Tool

Author(s): TE Link, TA Dessent, MA Alexander

Annual Conference: 1993, Vol. 8

Paper ID: 93-MP-15.04

Egads! EPA's Graphical Aerometric Data System

Author(s): S Riley, B Gilbert Annual Conference: 1993, Vol. 8

Paper ID: 93-MP-15.05

Interactive Access to AIRS Using Personal Computers:

Information Engineering and Science

Author(s): RB Husar, TL Oberamn, AV Arsdale

Annual Conference: 1993, Vol. 8

Paper ID: 93-MP-15.06

RECLAIM: Be Careful for What You Ask...

Author(s): WH Freedman, GF Dickson

Annual Conference: 1993, Vol. 8

Paper ID: 93-MP-16.01

EPA's Office of Air Quality Planning and Standards Environmental Education Program

Author(s): AA Pope, C Pratt Annual Conference: 1993, Vol. 13

Paper ID: 93-MP-17.01

"Spare the Air" A Voluntary Program to Reduce Emissions

Author(s): TG Lee

Annual Conference: 1993, Vol. 13

Paper ID: 93-MP-17.02

Excellence in Environmental Management

Author(s): JL Warren, BF Fagg Annual Conference: 1993, Vol. 13

Paper ID: 93-MP-17.03

Waste Primary Treatment Indoor Air Sampling and Indoor Odour Control

Author(s): A Gupta, ES Ting, PA Burrows Annual Conference: 1993, Vol. 11A

Paper ID: 93-MP-19.01

Devlin Olfactometer Data Interpretations Using Population odor Response Concepts

Author(s): TJ Anagnostou, R Devlin, TS O'Rourke

Annual Conference: 1993, Vol. 11A

Paper ID: 93-MP-19.02

Chemical Addiction Affects More Than Odors

Author(s): RJ Pope, R Weber Annual Conference: 1993, Vol. 11A

Paper ID: 93-MP-19.03

Odor Thresholds in Relation to Risk Assessment

Author(s): SS Cha, GL Ginsberg, DJ Guth Annual Conference: 1993, Vol. 11A

Paper ID: 93-MP-19.04

The Effects of Chemical Addition to Control Odour at a Wastewater Treatment Plant During Canning Season

Author(s): M McAfee, T Cork, TR Card Annual Conference: 1993, Vol. 11A

Paper ID: 93-MP-19.05

Enhancements to the Industrial Source Complex Model for Handling Complex Terrain

Author(s): RJ Paine, JE Purdum Annual Conference: 1993, Vol. 1A

Paper ID: 93-MP-2.01

Evaluation of Complex Dispersion Predictions Using a Fine Mesh Prognotic Mesoscale Model

Author(s): WA Lyons, JI Ibarra Annual Conference: 1993, Vol. 1A

Paper ID: 93-MP-2.02

Use of RTDM and ISC to Meet EPA Intermediate Terrain Modeling Requirements

Author(s): MS Podrez, TM Swain Annual Conference: 1993, Vol. 1A

Paper ID: 93-MP-2.03

Effect of a Nearby Hill on Good Engineering Practice Stack Height

Author(s): RL Petersen, DK Parce, JL West

Annual Conference: 1993, Vol. 1A

Paper ID: 93-MP-2.04

Prediction of Flow and Diffusion Over Vegetated Regions on Hills and Ridges

Author(s): RN Meroney, DE Neff, G Wu Annual Conference: 1993, Vol. 1A

Paper ID: 93-MP-2.05

A Sector Approach to Terrain Characterization for Dispersion Coefficients

Author(s): GM Zarus, KA Harvey, Ml Aydil

Annual Conference: 1993, Vol. 1A

Paper ID: 93-MP-2.06

Model Performance Comparison in Complex Terrain

Author(s): MK Anderson, R Londergan, V Brisini

Annual Conference: 1993, Vol. 1A

Paper ID: 93-MP-2.07

Using Non-USEPA Guideline Complex Terrain Options in an International Air Quality Study to Reduce Conservatism

Author(s): LR Alfred

Annual Conference: 1993, Vol. 1A

Paper ID: 93-MP-2.08

The Origins of Elevated Background Tracer Measurements During the MOHAVE Field Study

Author(s): RA Stocker, M Uliasz, RA Pielke

Annual Conference: 1993, Vol. 1A

Paper ID: 93-MP-2.09

Development and Evaluation of a Wind Field Model for Emergency Preparedness in Complex Terrain

Author(s): DG Ross, GS Lorimer, J Ciolek, Jr.

Annual Conference: 1993, Vol. 1A

Paper ID: 93-MP-2.10

Chemisorptive Soil-Liner Systems

Author(s): M McLean, KA Huyck Annual Conference: 1993, Vol. 3A

Paper ID: 93-MP-20.01

Long-Term Leaching Characteristics of Ontario Hydro Fly Ash and Environmental Impact Implications`

Author(s): HM Johnston, KE Eagleson Annual Conference: 1993, Vol. 3A

Paper ID: 93-MP-20.02

Management of Coal Combustion By-Products at the Elmer Smith Station

Author(s): K Frizzell, D Armour, S Conn Annual Conference: 1993, Vol. 3A

Paper ID: 93-MP-20.03

Coal Fly Ash Utilization in Concrete An Evaluation of Performance and Economic Environmental and Energy Impacts

Author(s): RA Kaiser

Annual Conference: 1993, Vol. 3A

Paper ID: 93-MP-20.04

Behavior of Mercury Metal and Mercury Compounds During Collection on Various Media at 400 Degrees Fahrenheit

Author(s): DA Fdrum, K Crawford, T Selzer

Annual Conference: 1993, Vol. 16A

Paper ID: 93-MP-21.01

Analysis of CDD/CDF Formation and Distribution Across a Waste Heat Boiler and Across Two Air Pollution Control Systems Using Activated Carbon to Control Emissions from Medical Waste Incinerators

Author(s): MB Turner, DD Wallace, RM Neulicht

Annual Conference: 1993, Vol. 16A

Paper ID: 93-MP21.02

Air Quality and Health Impacts of a Medical Waste Incinerator That Employs Anticipated Maximum Achievable Control Technology

Author(s): CS Konheim, D Politi, E Nesselbeck

Annual Conference: 1993, Vol. 16A

Paper ID: 93-MP-21.03

Mercury Emission Control in Medical Waste Incineration

Author(s): BJ Lerner

Annual Conference: 1993, Vol. 16A

Paper ID: 93-MP-21.05

Environmental, Energy and Cost Tradeoffs Associated with Air Stripping Contaminated Groundwater

Author(s): JF Durham

Annual Conference: 1993, Vol. 16A

Paper ID: 93-MP-22.01

heat and Mass Transfer Model (HAMTM) of a Liquid Waste Impoundment

Author(s): VJ Garza, DPY Chang, RL Bell

Annual Conference: 1993, Vol. 16A

Paper ID: 93-MP-22.02

Overview of Recently Developed Guidance for Performing Air Pathway Assessments

Author(s): BM Eklund, J Padgett Annual Conference: 1993, Vol. 16A

Paper ID: 93-MP-22.03

Application of a Direct Emission Assessment Technology for Conducting Site Investigations for Subsurface

Contamination

Author(s): CE Schmidt, M Simon Annual Conference: 1993, Vol. 16A

Paper ID: 93-MP-22.04

Contingency Modeling Analysis for Superfund Sites and Other Industrial Sources

Author(s): GD Kaiser, J Touma, D Christensen

Annual Conference: 1993, Vol. 16A

Paper ID: 93-MP-22.05

Assessment and Mitigation of Indoor Air Impacts from Superfund Sites

Author(s): KM Diehl, CW Westbrook Annual Conference: 1993, Vol. 16A

Paper ID: 93-MP-22.06

Foundation Piling as a Potential Conduit for DNAPL Migration

Author(s): JW Hayman, RB Adams, RG Adams

Annual Conference: 1993, Vol. 15

Paper ID: 93-MP-23.01

Delineating Subsurface DNAPL Using Direct and Indirect Methods

Author(s): RM Cohen, JW Mercer, I Star Annual Conference: 1993, Vol. 15

Paper ID: 93-MP-23.02

A Pilot Scale Test of Surfactant Enhanced Pump and Treat

Author(s): AJC Fountain, CW Sheets Annual Conference: 1993, Vol. 15

Paper ID: 93-MP-23.03

Electrochemical Supplementation to lon Exchange for Groundwater Treatment

Author(s): GA Peck

Annual Conference: 1993, Vol. 15

Paper ID: 93-MP-24.01

The Use of Contaminant Transport Modeling in Assessing Potential Relative Contributions and Remedial Liabilities in Regionally Contaminated Aquifers

Author(s): SA Marquis

Annual Conference: 1993, Vol. 15

Paper ID: 93-MP-24.02

Direct Injection Analysis of Dissolved Gases in Water by an Automated GC-HID System

Author(s): YZ Tang, WH Schroeder, KA Brice

Annual Conference: 1993, Vol. 15

Paper ID: 93-MP-24.03

Ground-Water Remediation at the Sydney Mine Waste Disposal Site

Author(s): FW Blickle, ER Masters, RC Davis

Annual Conference: 1993, Vol. 15

Paper ID: 93-MP-24.04

Cleaning Up Jet Fuel Contamination at a Former Soviet Air Field in Hungary

Author(s): DF Williamsom, WJ McElroy

Annual Conference: 1993, Vol. 15

Paper ID: 93-MP-24.05

LCA Data Collection: Purpose and Process for Cooperation Across Industry

Author(s): DK Humbert

Annual Conference: 1993, Vol. 16A

Paper ID: 93-MP-25.01

Life Cycle Analysis as a Decision Tool

Author(s): WE Franklin, KK Hoffsommer

Annual Conference: 1993, Vol. 16A

Paper ID: 93-MP-25.02

EPA's Research in LCA Methodology

Author(s): MA Curran, B Vigon Annual Conference: 1993, Vol. 16A

Paper ID: 93-MP-25.04

Life-Cycle Assessment- Current Perspectives

Author(s): FJ Consoli

Annual Conference: 1993, Vol. 16A

Paper ID: 93-MP-25.06

Efficacy of Post-Manufacture Surface Coatings to Reduce Formaldehyde Emissions from Composite Wood Products

Author(s): DA Figley, JT Makohon Annual Conference: 1993, Vol. 11A

Paper ID: 93-MP-3.01

Diffusion and Non-Linear Sorption of VOCs and Waste Vapor within Dry Soil Grains

Author(s): TF Lin, JC Little, WW Nazaroff

Annual Conference: 1993, Vol. 11A

Paper ID: 93-MP-3.02

Indoor Quality in Taiwan

Author(s): CS Yuan, CM Chen, CN Chang Annual Conference: 1993, Vol. 11A

Paper ID: 93-MP-3.03

Comparison of Experimental and Modeled Results

Describing Adsorption Isotherms and Breakthrough Times for Volatile Organic Compounds and Activated Carbon Fibers

Author(s): K Foster, O Graf, MJ Rood Annual Conference: 1993, Vol. 11A

Paper ID: 93-MP-3.04

Evaluation of Breakthrough Times for Beds of Activated Carbon Fibers Adsorbing -n-Butane from Nitrogen

Author(s): OW Graf, KL Foster, MJ Rood

Annual Conference: 1993, Vol. 11A

Paper ID: 93-MP-3.05

Interrelationships Among Home Characteristics and Indoor and Outdoor NO Concentrations

Author(s): DA Butler, H Ozkaynak, JD Spengler

Annual Conference: 1993, Vol. 11A

Paper ID: 93-MP-3.06

The Organic Aerosols in a Severely Polluted Urban Atmosphere

Author(s): WMG Lee, RL Huang Annual Conference: 1993, Vol. 8

Paper ID: 93-MP-4.01

The SCENES Years: Meteorology Coupled to Air Quality

Author(s): RJ Farber, CM Rozzi, LC Murray

Annual Conference: 1993, Vol. 8

Paper ID: 93-MP-4.02

Spatial and Temporal Patterns and the Chemical Composition of the Haze and Its Impacts on Visibility in Alaska

Author(s): JF Sisler, TA Cahill Annual Conference: 1993, Vol. 8

Paper ID: 93-MP-4.03

Comparison of Two Back Trajectory Techniques for Source Apportionment

Author(s): KA Gebhart, WC Malm, HK Iyer

Annual Conference: 1993, Vol. 8

Paper ID: 93-MP-4.05

Ten-Year Trends in Sulfur Concentrations at National Parks Throughout the United States

Author(s): RA Eldred, TA Cahill, WC Malm

Annual Conference: 1993, Vol. 8

Paper ID: 93-MP-4.06

Towards Development of a Northern Hemisphere Natural Sulfate Aerosol Budget

Author(s): SM Kreidenweis Annual Conference: 1993, Vol. 8

Paper ID: 93-MP-4.08

Visual Air Quality in the Grand Canyon and Golden Circle: An Assessment of Measurements, Source Contributions and Trends

Author(s): DA Latimer

Annual Conference: 1993, Vol. 8

Paper ID: 93-MP-4.09

Project MOHAVE Data Analysis Plan

Author(s): JG Watson, M Green, TE Hoffer

Annual Conference: 1993, Vol. 8

Paper ID: 93-MP-4.10

Estimation of Aerosol Acidity from Non-Ionic Particle Measurements

Author(s): D Huffman, WC Malm Annual Conference: 1993, Vol. 8

Paper ID: 93-MP-40.07

The Effect of Coal Cleaning on Trace Element Concentrations

Author(s): LW Rosendale, M DeVito, V Conrad

Annual Conference: 1993, Vol. 4A

Paper ID: 93-MP-5.01

Air Toxics Control in Spray Dryer Absorption Systems

Author(s): R Gleiser, K Felsvang Annual Conference: 1993, Vol. 4A

Paper ID: 93-MP-5.02

Mercury Emissions Control from Combustion Systems

Author(s): JM Quimby

Annual Conference: 1993, Vol. 4A

Paper ID: 93-MP-5.03

Control of Particulate Trace Metals in Coal-Fired Power Plants

Author(s): KS Kumar, PL Feldman Annual Conference: 1993, Vol. 4A

Paper ID: 93-MP-5.04

The Three Stage Flue Gas Treatment System-Dusseldorf

Author(s): B Kassebohm, S Streng Annual Conference: 1993, Vol. 4A

Paper ID: 93-MP-5.05

Flue Gas Cleaning of Hazardous Waste Incineration by Means of Activated Char-Presentation of the Technology and Results of Commercial Installations

Author(s): HU Hartenstein, IP Mehrling Annual Conference: 1993, Vol. 4A

Paper ID: 93-MP-5.07

Emissions of VOCs from Polyurea formaldehyde Resin Synthetic Fiber Leather Industry

Author(s): CC Kee, CT Chang, FT Jeng Annual Conference: 1993, Vol. 5

Paper ID: 93-MP-6.01

Emissions of Organic Pollutants in PVC Wallpaper Production Processes

Author(s): CT Chang, CC Lee, FT Jeng Annual Conference: 1993, Vol. 5

Paper ID: 93-MP-6.02

Particulate Air Toxic Emission Estimation of the PM 10 Fraction in Natural Aggregate Processing Facilities

Author(s): LB Schipper, JC Chow, CA Frazier

Annual Conference: 1993, Vol. 5

Paper ID: 93-MP-6.03

An Inventory of Particulate Matter and Air Toxic Emissions from Prescribed Fires in the USA for 1989

Author(s): DE Ward, J Peterson, WM Hao

Annual Conference: 1993, Vol. 5

Paper ID: 93-MP-6.04

Tailoring Regulatory Development to Dry Cleaners and Other Small Business

Author(s): CA Marvin, R T Kemena Annual Conference: 1993, Vol. 5

Paper ID: 93-MP-6.05

Commercial Operating Experience with High Temperature SCR NOx Catalyst

Author(s): RM Heck, JM Chen, BK Speronello

Annual Conference: 1993, Vol. 3A

Paper ID: 93-MP-7.01

Technical Progress Report on First Commercial Operation of a Poison Resistant Selective Catalytic Control Process for Combined NOx & VOC Reduction

Author(s): GE Addison

Annual Conference: 1993, Vol. 3A

Paper ID: 93-MP-7.02

Catalytic Control of Unburned Hydrocarbon Emissions in Combustion Turbine Exhausts

Author(s): JM Chen, BK Speronello, RM Heck

Annual Conference: 1993, Vol. 3A

Paper ID: 93-MP-7.03

Measurement of Odorous Hydrocarbon at Logan Airport-Boston, Massachusetts

Author(s): RJ Rossi

Annual Conference: 1993, Vol. 3A

Paper ID: 93-MP-8.01

Modeling of Carbon Monoxide Emissions from an Urban Heliport

Author(s): L Do, R Conway Annual Conference: 1993, Vol. 3A

Paper ID: 93-MP-8.02

Of-Road Engine Emission Reduction Program in Santa Barbara County

Author(s): M Talwar, L Rennecker Annual Conference: 1993, Vol. 3A

Paper ID: 93-MP-8.03

Current Air Quality Policy and Practices at Airports in Developed Countries

Author(s): D Raper, RL Wayson, W Bowlby

Annual Conference: 1993, Vol. 3A

Paper ID: 93-MP-8.04

Air Dispersion Study of Parking Areas

Author(s): ML Berrett

Annual Conference: 1993, Vol. 3A

Paper ID: 93-MP-8.05

A Fluid Modeling Case Study: of Exhaust Gas Dispersion from Automobile Tunnels Located Under the City of Boston

Author(s): DE Neff, RN Meroney Annual Conference: 1993, Vol. 3A

Paper ID: 93-MP-8.06

Wind Tunnel Modeling of an Automotive Tunnel Ventilation Tower

Author(s): WG Hoydysh

Annual Conference: 1993, Vol. 3A

Paper ID: 93-MP-8.07

The Status of the California Air Resources Board's Off-Road Regulations

Author(s): ML Bekken, J Lourenco, RI Abachi

Annual Conference: 1993, Vol. 3A

Paper ID: 93-MP-8.08

Planning for Accidental Releases of Hazardous Substances

Author(s): GF Vajda

Annual Conference: 1993, Vol. 8

Paper ID: 93-MP-9.01

Issues in the Use of Atmospheric Dispersion Models for Accidental Release Planning and Decision Making

Author(s): GD Kaiser

Annual Conference: 1993, Vol. 8

Paper ID: 93-MP-9.02

Design Modification of New Industrial Facilities Under New Jersey's Toxic Catastrophe Prevention Act (TCPA)

Author(s): MP Neilsen, CR Murphy Annual Conference: 1993, Vol. 8

Paper ID: 93-MP-9.03

Dense Gas Modeling Review and its Application in the SCAQMD

Author(s): HC Yeh, T Chico, S Hanna Annual Conference: 1993, Vol. 8

Paper ID: 93-MP-9.04

Source Term Estimation for a Hydrochloric Acid Release

Author(s): VL Thompson Annual Conference: 1993, Vol. 8

Paper ID: 93-MP-9.05

Quality and Comparability of Data from the Eulerian Model Evaluation Field Study

Author(s): DJ McNaughton, NE Bowne Annual Conference: 1993, Vol. 2

Paper ID: 93-RA-110.01

Comparison of Independent Measurements of Sulfur and Sulfate in the IMPROVE Network

Author(s): RA Eldred, TA Cahill, PJ Feeney

Annual Conference: 1993, Vol. 2 Paper ID: 93-RA-110.02

Control of Organic Artifact on Teflon Filters by Quality Assurance Procedures

Author(s): RA Eldred, TA Cahill, PJ Feeney

Annual Conference: 1993, Vol. 2

Paper ID: 93-RA-110.03

The Particle Size Distribution and Chemical Composition of Semi-Volatile Organic Compounds Lost from Atmospheric Fine Particles During Sampling

Author(s): DJ Eatough, H Tang, J Machir

Annual Conference: 1993, Vol. 2

Paper ID: 93-RA-110.04

Emergency Response Planning

Author(s): FL Cacender, LA Gephart Annual Conference: 1993, Vol. 11B

Paper ID: 93-RA-111.01

One Company's Approach to Defining Community Action Levels for Accidental Releases

Author(s): PR Jann, DP Kelly Annual Conference: 1993, Vol. 11B

Paper ID: 93-RA-111.02

Dose Based Methods for Assessment of Accidental Releases

Author(s): MT Mills

Annual Conference: 1993, Vol. 11B

Paper ID: 93-RA-111.03

California Air Resources Board's Mobile Source Emissions Reduction Credit Guidelines

Author(s): CD Lentz, B Werner Annual Conference: 1993, Vol. 3B

Paper ID: 93-RA-112.01

An Evaluation of the Use of Mobile Source Emissions

Trading: Locomotive Case Study

Author(s): WR West, MM Brazell Annual Conference: 1993, Vol. 3B

Paper ID: 93-RA-112.02

Using Mobile Source Emission Reduction to Offset Stationary Source Rule Requirements

Author(s): MM Nazemi, KJ Beruldsen Annual Conference: 1993, Vol. 3B

Paper ID: 93-RA-112.03

Mobile Emission Reduction Credits for Natural Gas Vehicle Programs

Author(s): GF Baker

Annual Conference: 1993, Vol. 3B

Paper ID: 93-RA-112.04

Mobile Emissions Reduction Crediting: A Clean Air Act Incentive Program for Retiring High-Emitting Vehicles

Author(s): DJ Dudek, TF Walton Annual Conference: 1993, Vol. 3B

Paper ID: 93-RA-112.05

How Particulate Properties Affect the Collection of Fine Particles

Author(s): PV Bush, TR Snyder Annual Conference: 1993, Vol. 5 Paper ID: 93-RA-113A.01

A Dilution Equilibration Sampling System for the Collection of Stack Emission Samples

Author(s): B Sun. NF Mangelson, LB Rees

Annual Conference: 1993, Vol. 5 Paper ID: 93-RA-113A.02

Spatially Resolved Organic Surface Analysis of Flyash Particles with Time-of-Flight Secondary Ion Mass Spectrometry

Author(s): J Chakel, RW Odom, TF Fister

Annual Conference: 1993, Vol. 5

Paper ID: 93-RA-113A.03

Evaluation of Test Procedures to Determine Bulk and Surface Composition of Selected Metals on Fly Ash Particles

Author(s): DP Maxwell, HB Cox, HB Flora

Annual Conference: 1993, Vol. 5 Paper ID: 93-RA-113A.04

Control of Gaseous Emissions from MSW Processing and MSW Composting

Author(s): HJ Rafson

Annual Conference: 1993, Vol. 5 Paper ID: 93-RA-114A.01

Air Emissions from MSW Composting Facilities

Author(s): SD Mange, S Relwani Annual Conference: 1993, Vol. 5 Paper ID: 93-RA-114A.02

Air Toxics Modeling of Excavation and Landfilling Activities

Author(s): PJ Drivas, K Raabe, LC Daly Annual Conference: 1993, Vol. 5 Paper ID: 93-RA-114A.03

Factors Affecting Gaseous Emissions from Solid Waste Composting Tipping and Landfilling

Author(s): M Gould, N Wu Annual Conference: 1993, Vol. 5 Paper ID: 93-RA-114A.04

Dispersion Modeling of Odorous Emissions

Author(s): J Wang, KJ Skipka Annual Conference: 1993, Vol. 5 Paper ID: 93-RA-114A.05

Waste Management Issues: A Communication Gap Between Public and Industry

Author(s): DA Drum, MI Husain Annual Conference: 1993, Vol. 12 Paper ID: 93-RA-115.01

A Methodology for Siting Waste Disposal Areas

Author(s): LC Shumway, GF Brendel Annual Conference: 1993, Vol. 12 Paper ID: 93-RA-115.02

Ohio's Issue 5: A Comparison to Proposition 65q

Author(s): WE Balson, KD Runke Annual Conference: 1993, Vol. 12 Paper ID: 93-RA-115.03

Permitting of Compressed Air Energy Storage Plants

Author(s): LP Nelson, L Bruckman, KL Johnson

Annual Conference: 1993, Vol. 12 Paper ID: 93-RA-115.04

Historical Re-evaluation of a Risk Assessment

Author(s): PN Anderson, RA Hites Annual Conference: 1993, Vol. 11B Paper ID: 93-RA-116A.01

Separating Variability and Uncertainty in Exposure Assessment: Motivations and Method

Author(s): HC Frey

Annual Conference: 1993, Vol. 11B

Paper ID: 93-RA-116A.02

Development of Intermedia Transfer Factors for Hexavalent Chromium

Author(s): LW Creelman, Y Cohen, AM Winer

Annual Conference: 1993, Vol. 11B

Paper ID: 93-RA-116A.03

Research to Improve Health Risk Assessments: Setting the Stage for Residual Risk Assessment of the Hazardous Air Pollutants

Author(s): JJ Vandenberg, IL Cote Annual Conference: 1993, Vol. 11B Paper ID: 93-RA-116A.04

Risk Assessment Framework of Fate and Transport Models Applied to Hazardous Waste Sites

Author(s): ST Hwang

Annual Conference: 1993, Vol. 11B

Paper ID: 93-RA-116A.05

Combining Ash Streams-Is It Treatment?

Author(s): RA Clarke

Annual Conference: 1993, Vol. 16B

Paper ID: 93-RA-117.01

Cold Crown Nitrification of Municipal Waste Combustor Fly Ash

Author(s): DR Wexell

Annual Conference: 1993, Vol. 16B

Paper ID: 93-RA-117.02

Technical Approach of Japanese New Regulation for Fly Ash Disposal

Author(s): Y Wakamura, K Nakazato Annual Conference: 1993, Vol. 16B

Paper ID: 93-RA-117.03

Utilization of Incinerator Bottom Ash Residues: Process Considerations and Field Management Requirements

Author(s): KE Forrester

Annual Conference: 1993, Vol. 16B

Paper ID: 93-RA-117.04

Chemical Characteristics of Leachates From Many Municipal Waste Combustion Ash Monofills

Author(s): H Roffman

Annual Conference: 1993, Vol. 16B

Paper ID: 93-RA-117.05

Getting Past "No" in Waste Management Controversies: The Case for Collaborative Dispute Resolution

Author(s): RA McVoy, RM Jones Annual Conference: 1993, Vol. 13

Paper ID: 93-RA-118.01

Air Quality Considerations in a Multi-Disciplinary Siting of a Coal-Fired Power Plant in the Northeast

Author(s): JA Halpern, N Naik Annual Conference: 1993, Vol. 13 Paper ID: 93-RA-118.02

Site Screening for Coproduction Demonstration Plant

Author(s): RV Carter, RE Buchanan Annual Conference: 1993, Vol. 13

Paper ID: 93-RA-118.03

Use of Optimization Techniques for Facility Site Selection

Author(s): CS Hibbard

Annual Conference: 1993, Vol. 13

Paper ID: 93-RA-118.05

Raising Capital for Clean Air-Integrating Financial and Compliance Help for Small Businesses

Author(s): JH McCall

Annual Conference: 1993, Vol. 13

Paper ID: 93-RA-119.01

Industrial Property Revitalization Under Superfund

Author(s): DL Cook, JT Johnson Annual Conference: 1993, Vol. 13

Paper ID: 93-RA-119.02

What Can You Do If You Don't Have Cash-Financing Alternatives for Environmental Facilities

Author(s): RG Harvey, MH Levin Annual Conference: 1993, Vol. 13

Paper ID: 93-RA-119.03

Retooling State Economic Development to Meet the Clean Air Act Challenge: Compliance Assistance in Ohio

Author(s): MR Shanahan

Annual Conference: 1993, Vol. 13

Paper ID: 93-RA-119.04

Section 507 of the Clean Air Act Amendments of 1990

Author(s): KV Brown

Annual Conference: 1993, Vol. 13

Paper ID: 93-RA-119.05

Greater Vancouver Regional District Incinerator Operation

Author(s): TL Guest

Annual Conference: 1993, Vol. 16B

Paper ID: 93-RA-120.01

Results of Emission Monitoring and Impact of Emissions on Operation of Burnaby Incinerator

Author(s): O Knizek

Annual Conference: 1993, Vol. 16B

Paper ID: 93-RA-120.02

The Impact of the GVRD Municipal Refuse Incinerator Emissions on Ambient Air Quality

Author(s): KP Stubbs

Annual Conference: 1993, Vol. 16B

Paper ID: 93-RA-120.03

The Impact of the GVRD Municipal Refuse Incinerator Emissions on Regional Soils and Vegetation

Author(s): KP Stubbs, O Knizek Annual Conference: 1993, Vol. 16B

Paper ID: 93-RA-120.04

Assessing Environmental Impacts of Municipal Solid Waste Incinerators Using Air Toxics Measurements Data

Author(s): BE Maisel

Annual Conference: 1993, Vol. 16B

Paper ID: 93-RA-120.06

What Height for Remote FT-IR Sensing of Volatile Organic Compounds Emitted Near Ground Level?

Author(s): CT Chaffin, TL Marshall, JM Poholarz

Annual Conference: 1993, Vol. 8

Paper ID: 93-RA-121.01

Precision Determination fro Open-Path FTIR Data Comparison of Three Potential Methods

Author(s): DE Pescatore, RJ Kricks, SH Perry

Annual Conference: 1993, Vol. 8

Paper ID: 93-RA-121.02

Airborne UV-DIAL Measurements of Ozone Distributions in Southeastern Michigan

Author(s): J McElroy, H Moosmuller, R Jorgensen

Annual Conference: 1993, Vol. 8

Paper ID: 93-RA-121.03

An Airborne Lidar System for Tropospheric Ozone Measurement

Author(s): H Moormuller, R Alvarez, R Jorgensen

Annual Conference: 1993, Vol. 8 Paper ID: 93-RA-121.04

Resolution Considerations in Long-Path, Open-Path FT-IR Spectrometry

Author(s): JW Childers

Annual Conference: 1993, Vol. 8

Paper ID: 93-RA-121.05

Example Best Available Control Measures (BACM) Strategy for Use in PM 10 Serious Area SIP Development

Author(s): RM Dunkins, C Cowherd, AK Caughron

Annual Conference: 1993, Vol. 7 Paper ID: 93-RA-122.01

Development of PM10 Strategies in the Denver Metro Area

Author(s): KH Lloyd, HK DeGroot, P Cummins

Annual Conference: 1993, Vol. 7 Paper ID: 93-RA-122.02

Transportation Planning Issues with PM 10 SIPS

Author(s): KH Lloyd

Annual Conference: 1993, Vol. 7

Paper ID: 93-RA-122.03

Development of the Air Quality Regulations for OCS

Sources-A Historic Perspective

Author(s): MT Baer, D Herkhof, YP Desai

Annual Conference: 1993, Vol. 12

Paper ID: 93-RA-123.01

Estimated Control Technology and Emission Offset Costs of the EPA Air Quality Regulations for OCS Sources

Author(s): MT Baer

Annual Conference: 1993, Vol. 12

Paper ID: 93-RA-123.02

Waste Minimization Concepts Applied to Oil Spill Response Integrating the Pollution Prevention Act of 1990 with the Oil Pollution Act of 1990

Author(s): DV Ferriere

Annual Conference: 1993, Vol. 12

Paper ID: 93-RA-123.03

Marine Vessel Emission Reduction Program in Santa Barbara County

Author(s): M Talwar, L Rennecker Annual Conference: 1993, Vol. 12

Paper ID: 93-RA-123.04

An Overview of Meteorological and Air Quality Studies on the Outer Continental Shelf

Author(s): DC Herkhof

Annual Conference: 1993, Vol. 12

Paper ID: 93-RA-123.05

International Environmental Management/Audit Programs

Author(s): AG Banks

Annual Conference: 1993, Vol. 13

Paper ID: 93-RA-124.01

Toward Modern Environmental Auditing-Management Audits Versus Compliance Audits

Author(s): ML Iwanski, JR Thurman Annual Conference: 1993, Vol. 13

Paper ID: 93-RA-124.02

A Training Approach to Environmental Compliance Auditing

Author(s): LL Black-Covilli Annual Conference: 1993, Vol. 13

Paper ID: 93-RA-124.03

Corporate Environmental Auditing in the 90s: Emerging Management Strategies, Standards and Public Policies

Author(s): BA Martinson

Annual Conference: 1993, Vol. 13

Paper ID: 93-RA-124.04

Compliance Audits and TQEM: A Case Study

Author(s): JH Johnston, JE Sarsenski Annual Conference: 1993, Vol. 13

Paper ID: 93-RA-124.05

The Added Value Computerized EH&S Auditing in a TQEM **Program**

Author(s): P Mandelbaum, R Shiverick Annual Conference: 1993, Vol. 13

Paper ID: 93-RA-124.06

A Numerical Approach to Relating Chronic Ozone

Exposures and Reductions in Crop Yield

Author(s): SV Krupa, M Nosal, AH Legge

Annual Conference: 1993, Vol. 11B

Paper ID: 93-RA-125.01

Measurement and Simulation of Trace Gas Emissions from Agricultural Fields

Author(s): JM Baker

Annual Conference: 1993, Vol. 11B

Paper ID: 93-RA-125.02

Integration of Diurnal Patterns of Ozone Incidence and Physiological Activity of Plants

Author(s): PM McCool, GH Riechers Annual Conference: 1993, Vol. 11B

Paper ID: 93-RA-125.03

Realistic Concerns for Establishing a Secondary Standard to Protect Vegetation

Author(s): AS Lefohn

Annual Conference: 1993, Vol. 11B

Paper ID: 93-RA-125.04

Plant Dose-Response to Gaseous Air Pollutants

Author(s): VC Runeckles

Annual Conference: 1993, Vol. 11B

Paper ID: 93-RA-125.05

A Successful ACL Petition for an Organic Chemical Plant

RCRA Corrective Action

Author(s): LM McConnell, RB Adams Annual Conference: 1993, Vol. 15

Paper ID: 93-RA-126.02

A Risk-Based Approach to Developing Alternative Cleanup Levels at a RCRA Site

Author(s): RE Huddleston, ME Kerrigan, A Sloan

Annual Conference: 1993, Vol. 15

Paper ID: 93-RA-126.05

Slovenia Air Pollution Master Plan

Author(s): WA Liegois, GA McCauley, BC Kross

Annual Conference: 1993, Vol. 9 Paper ID: 93-RA-128A.01

Project Silesia: Phase 1 Ambient Air Quality Analysis (Methods and Results)

Author(s): DA Sullivan, DJ Hlinka, TG Grosch

Annual Conference: 1993, Vol. 9 Paper ID: 93-RA-128A.02

Czech Air Toxics Study (CATS) Project Summary

Author(s): RK Stevens, J Pinto, TL Conner

Annual Conference: 1993, Vol. 9 Paper ID: 93-RA-128A.03

Developing an Air Quality Management Organization for Northern Bohemia

Author(s): J Heinrich, S Humrickhouse, DF Theiler

Annual Conference: 1993, Vol. 9 Paper ID: 93-RA-128A.04

A Sensitive Biomarker Set Responding to the Chemical Exposure

Author(s): E Codorean, G Filipescu, L Ciotaru

Annual Conference: 1993, Vol. 9 Paper ID: 93-RA-128A.05

3M's Pollution Prevention Measurement Systems

Author(s): T Zoesel

Annual Conference: 1993, Vol. 14

Paper ID: 93-RA-129.01

Overview of Coal Ash Use in the USA-Pollution Prevention for the 21st Century

Author(s): SS Tyson

Annual Conference: 1993, Vol. 14

Paper ID: 93-RA-129.02

Methofologies for Measuring Pollution Prevention Progress

Author(s): DM Benforado, WB Beck Annual Conference: 1993, Vol. 14

Paper ID: 93-RA-129.03

Harbor Spill Cleanup Using Specialized Dredging

Author(s): RG Hornsby, R Martinek, S Marwitz

Annual Conference: 1993, Vol. 15

Paper ID: 93-RA-130.01

SPCC Plans: What? Why? WHERE? And How?

Author(s): TC Wilson

Annual Conference: 1993, Vol. 15

Paper ID: 93-RA-130.02

Regulatory Review: Management of Above and Underground Storage Tanks Containing Petroleum Products in Canada

Author(s): PR Thanawala

Annual Conference: 1993, Vol. 15

Paper ID: 93-RA-130.03

Remediation of a Subsurface Gasoline Transmission Pipeline Release in an Urban Setting

Author(s): TM Whitehurst, DL Whitley Annual Conference: 1993, Vol. 15

Paper ID: 93-RA-130.05

Preventing Aboveground Storage Tank Spills: A Housekeeping Guide to the Rules and Regulations

Author(s): WB Geyer

Annual Conference: 1993, Vol. 15

Paper ID: 93-RA-130.06

The Importance of Treatability Studies in the Development of Commercial Slurry Phase Biological Treatment Processes

Author(s): DE Jerger, C Jespersen, JH Exner

Annual Conference: 1993, Vol. 16B

Paper ID: 93-RA-131A.01

Stabilization Treatability Studies for Lead-Contaminated Waste Sites

Author(s): PR Lear

Annual Conference: 1993, Vol. 16B

Paper ID: 93-RA-131A.02

Bench-Scale Demonstration of the Biodegradation of Trichloroethylene and Phenol in Groundwater

Author(s): DA Graves, K Brown, J Sanseverino

Annual Conference: 1993, Vol. 16B

Paper ID: 93-RA-131A.03

Heuristics for the Selection of Hazardous Waste Treatment Technologies for Wastewaters and Sludge

Author(s): PK Ireland, ML Davis Annual Conference: 1993, Vol. 16B

Paper ID: 93-RA-131A.04

$\label{lem:eq:condition} Evaluation\ of\ Leachate\ Treatment\ and\ Disposal\ Alternative$

Author(s): RS Khorzani, J Henson Annual Conference: 1993, Vol. 16B

Paper ID: 93-RA-131A.05

Design of Multiple Remedies for TCE in Soil Unsaturated Fractured Bedrock and Groundwater at an Active Manufacturing Site

Author(s): JG Cleary, DM DeBiasse, M Towle

Annual Conference: 1993, Vol. 16B

Paper ID: 93-RA-131A.06

Water Quality Standards vs. Pretreatment Limits: How Will Industry Comply?

Author(s): EA Kobylinski, GL Hunter Annual Conference: 1993, Vol. 12

Paper ID: 93-RA-132.01

The Part B Permit Processes for Boilers and Furnaces

Author(s): BW Keogh

Annual Conference: 1993, Vol. 12

Paper ID: 93-RA-132.02

Industrial Storm Water Pollution Prevention Plans: A Regional Program for the Santa Clara Valley, CA

Author(s): LD Duke, NE Gardiner Annual Conference: 1993, Vol. 12

Paper ID: 93-RA-132.03

Preparing for the Clean Air Act Amendment Requirements-Focus on Boilers/Industrial Furnaces

Author(s): CA Melton

Annual Conference: 1993, Vol. 12

Paper ID: 93-RA-132.04

Landfill Gas Emission Monitoring Using a Modified Flux Chamber Approach

Author(s): DR Reinhart, CD Cooper, DRH Seligman

Annual Conference: 1993, Vol. 15

Paper ID: 93-RA-133.01

Full-Scale Bioventing-Results of One Year of Treatment at a Major Diesel Spill

Author(s): DC Downey, JW Ratz, PR Guest

Annual Conference: 1993, Vol. 15

Paper ID: 93-RA-133.02

In-Situ Bioremediation of Aviation Gasoline Spill by Subsurface Aeration

Author(s): DH Kampbell, JT Wilson, CJ Griffin

Annual Conference: 1993, Vol. 15

Paper ID: 93-RA-133.03

Three Dimensional Soil Gas Sampling Using Modified Cone Penetrometer Technology

Author(s): RV Overby, ME Best Annual Conference: 1993, Vol. 15

Paper ID: 93-RA-133.05

NOx Control for Jet Engine Test Calls

Author(s): JD Wander, SG Nelson Annual Conference: 1993, Vol. 10

Paper ID: 93-RA-83C.01

A Comparison Analysis of Health Risk Assessments for DOD Facilities

Author(s): CD Meolo, MJ Stunder, MD Koontz

Annual Conference: 1993, Vol. 10 Paper ID: 93-RA-83C.02

Demonstration of Paint Spray Booth Air Recirculation and Flow Portioning: Design Validation

Author(s): CH Darvin, JD Wander, SE Hughes

Annual Conference: 1993, Vol. 10

Paper ID: 93-RA-83C.03

Complex Source Modeling in State Implementation Plan Budgets

Author(s): H Segal

Annual Conference: 1993, Vol. 10

Paper ID: 93-RA-83C.04

Ambient Monitoring for Trace Levels of Toxic Compounds at Sandia National Laboratories

Author(s): EP Anderson, AS Batson, S Hwang

Annual Conference: 1993, Vol. 10

Paper ID: 93-RA-83C.05

Air Quality Solid Waste Assessment Test Conducted at Mare Island Naval Shipyard, Vallejo, California

Author(s): SL Bowles, RJ Fox, WE Wilcoxon

Annual Conference: 1993, Vol. 10 Paper ID: 93-RA-83C.06

The Southeast Michigan Ozone Study (SEMO)

Author(s): GT Wolff, JC Schroeder, CA Fitzner

Annual Conference: 1993, Vol. 1B

Paper ID: 93-RA-92B.01

San Diego Air Quality Study (SDAQS)

Author(s): JM Gaudette-Lake Annual Conference: 1993, Vol. 1B

Paper ID: 93-RA-92B.02

The Hastings, Ontario, Atmospheric Chemistry Study

Author(s): N Reid, H Niki, D Hastie Annual Conference: 1993, Vol. 1B

Paper ID: 93-RA-92B.03

Long Term Ozone Modeling Over Europe, The LOTOS-Project

Author(s): PJH Builtjes, MMG Roemer Annual Conference: 1993, Vol. 1B

Paper ID: 93-RA-92B.04

BOS: The Birmingham Ozone Study

Author(s): JS Walker

Annual Conference: 1993, Vol. 1B

Paper ID: 93-RA-92B.05

Mesoscale Transport of Pollutants Over Complex Terrain

Author(s): F Fielder, V Mohnen Annual Conference: 1993, Vol. 1B

Paper ID: 93-RA-92B.06

Reduction of NOx from Combustion Gases Using Plasma Induced Radicals from Ammonia

Author(s): JM Boule, JM Ekmann, MP Mathur

Annual Conference: 1993, Vol. 3B

Paper ID: 93-RA-95B.01

Effect of Wetting Efficiency of Dry Lime on Sulfur Dioxide Removal in a Circulating Fluidized Bed Absorber

Author(s): SK Lee, TC Keener, SJ Khang

Annual Conference: 1993, Vol. 3B

Paper ID: 93-RA-95B.02

The Effect of Additives on Calcium Hydroxide Utilization in Spray Dryer Absorbers fro the Control of SO

Author(s): J Wang, TC Keener Annual Conference: 1993, Vol. 3B

Paper ID: 93-RA-95B.03

Flue Gas Desulphurization Using A Wet-Dry Scrubbers and Fabric Filter: A Case Study of a Full Scale Systems at a Department of Defense Facility

Author(s): LR Griffin, T Larson Annual Conference: 1993, Vol. 3B

Paper ID: 93-RA-95B.04

The Influence of CO on the Utilization of Calcium Hydroxide Sorbent for Flue Gs Desulfurization

Author(s): A Wang, X Zhang, SJ Khang Annual Conference: 1993, Vol. 3B

Paper ID: 93-RA-95B.05

Summary of Air toxic Emission Values from Small Coal-Fired Fluid-Bed Boilers

Author(s): RB Booth, MN McDannel Annual Conference: 1993, Vol. 5 Paper ID: 93-RP-113B.01

Measurement of Air Toxics Generated by a Laboratory-Scale Coal Combustion Facility

Author(s): GM Sverdrup, JC Chuang, RE Barrett

Annual Conference: 1993, Vol. 5 Paper ID: 93-RP-113B.03

Inorganic Hazardous Pollutant Results for Less than 10 Micrometer Size Fractionated Particles from Power Plant Stack Gas

Author(s): DP Maxwell, HB Cox, HB Flora

Annual Conference: 1993, Vol. 5 Paper ID: 93-RP-113B.04

Air Quality Characterization from an Inactive Landfill

Author(s): RD Petherbridge, RJ Wolff Annual Conference: 1993, Vol. 5 Paper ID: 93-RP-114B.01

Comparison of Air Quality and Health Risks from Combustion of Scarp Tires as a Supplement to Coal in a Cement Kiln to Combustion of Coal Alone

Author(s): RS Leiken, CL Nicholois, RG Vranka

Annual Conference: 1993, Vol. 5 Paper ID: 93-RP-114B.02

Ammonia Injection A New Approach for Incinerator Emissions Control

Author(s): H Bai, HS Yu Annual Conference: 1993, Vol. 5 Paper ID: 93-RP-114B.03

Fabric Evaluation Program for a Spray Dryer/Baghouse System Installed on a Refuse Fired Boiler-Program Update

Author(s): DS Beachler, JT Joseph Annual Conference: 1993, Vol. 5 Paper ID: 93-RP-114B.04

Estimation of Incremental Benzene Exposures and Associated Cancer Risks Attributable to a Petroleum Refinery Waste Stream Using the Hazardous Air Pollutant Exposure Mode (HAPEM)

Author(s): TR Johnson, M McCoy, JE Capel

Annual Conference: 1993, Vol. 11B

Paper ID: 93-RP-116B.01

Monte Carlo Exposure Assessment Using the Air Toxics Exposure model (ATEX)

Author(s): SR Hayes, JL Wilhelmi Annual Conference: 1993, Vol. 11B

Paper ID: 93-RP-116B.02

Development of a Modeling Methodology for Assessing Exposure to Acidic Aerosols and Gases

Author(s): SR Hayes, JL Wilhelmi, S Pye Annual Conference: 1993, Vol. 11B

Paper ID: 93-RP-116B.03

Trends Of In-Vehicle CO Exposures On A California Arterial Highway Over One Decade

Author(s): W Ott, P Switzer, N Willits Annual Conference: 1993, Vol. 11B

Paper ID: 93-RP-116B.04

Estimating Carbon Monoxide Exposures of Denver Residents Under Selected Air Quality Scenarios

Author(s): T McCurdy, JE Capel, T Johnson

Annual Conference: 1993, Vol. 11B

Paper ID: 93-RP-116B.06

Avoidance, Recycling and Reuse of Demolition Waste-An Integrated Concept for the Region of the Upper Rhine Valley

Author(s): MR Nicolai, T Spengler, O Rentz

Annual Conference: 1993, Vol. 9 Paper ID: 93-RP-128B.01

Recycling of Residuals from Flue Gas Treatment of Municipal and Hazardous Waste Incinerators

Author(s): HU Hartenstein Annual Conference: 1993, Vol. 9 Paper ID: 93-RP-128B.02

Groundwater Treatment with Air Emissions Control-A Case Study

Author(s): CD Forbes, CG Ward, JD Marshall

Annual Conference: 1993, Vol. 16B

Paper ID: 93-RP-131B.01

Emissions of Volatile Mercury from Soil-A Comparison Between Field Measurements and Model Estimates

Author(s): A Roffman, G Beswick, RP Shervill

Annual Conference: 1993, Vol. 16B

Paper ID: 93-RP-131B.02

Treatment of Pesticide-Contaminated Soils with Thermal Desorption Technologies

Author(s): WL Troxler, SK Goh, LWR Dicks

Annual Conference: 1993, Vol. 16B

Paper ID: 93-RP-131B.03

Management of Arsenical Wood Preserving Residuals by Recovery and Immobilization

Author(s): RJ Turner, MB Foerst Annual Conference: 1993, Vol. 16B

Paper ID: 93-RP-131B.05

Assessment of the Effects of the 1990 Clean Air Act Amendments on Visibility in Class 1 Areas

Author(s): HA Gray, TE Stoekenius, CA Emery

Annual Conference: 1993, Vol. 7 Paper ID: 93-RP-134.02

Prospects for Improving Visibility in Western U.S. Class1 Areas by Increasing the Utilization of Natural Gas in Power Generation

Author(s): EC Trexlet, J Abraham, S Hance

Annual Conference: 1993, Vol. 8

Paper ID: 93-RP-135.01

techniques for Computing and Presenting Annual Visibility Characterizations for Locations of Interest

Author(s): EC Trexler, N Laulainen Annual Conference: 1993, Vol. 8 Paper ID: 93-RP-135.02

Visibility Impairment Assessment Importance of Using Theoretically Derived Optical Characterizations

Author(s): P Middleton, D Hopkins, N Laulainen

Annual Conference: 1993, Vol. 8 Paper ID: 93-RP-135.03

Estimating the Value of Atmospheric Visibility

Author(s): WE Balson, AE Hulse Annual Conference: 1993, Vol. 8 Paper ID: 93-RP-135.04

Potential for Visible Plume Formation at a Coal-Fired Boiler Using Ammonia Injection for Non-Catalytic NOx Control

Author(s): T Hess

Annual Conference: 1993, Vol. 8 Paper ID: 93-RP-135.05

An Empirical Model to Predict the Probability of Visual Detection of Plumes

Author(s): DM Ross, HK Iyer Annual Conference: 1993, Vol. 8 Paper ID: 93-RP-135.06

Atmospheric Emissions of Carbon Dioxide, Carbon Monoxide, Methane, Non-Methane Hydrocarbons and Sub-Micron Elemental Carbon Particles from Residential Wood Combustion

Author(s): JE Houck

Annual Conference: 1993, Vol. 9 Paper ID: 93-RP-136.01

Residential Wood Heating: The Forest, the Atmosphere and the Public Consciousness

Author(s): JF Gulland, OQ Hendrickson Annual Conference: 1993, Vol. 9 Paper ID: 93-RP-136.02

Field Trials of Woodchip-Fired Residential/Commercial Boilers

Author(s): RW Braaten, TG Sellers, SCS Sellers

Annual Conference: 1993, Vol. 9 Paper ID: 93-RP-136.03

The Role of residue Carbon in Maintaining Our Soil Resources

Author(s): JF Dormaar

Annual Conference: 1993, Vol. 9 Paper ID: 93-RP-136.04

Stress Testing of Wood Stoves

Author(s): RD Bighouse, HE Houck, RC McCrillis Annual Conference: 1993, Vol. 9

Paper ID: 93-RP-136.05

An Intercomparison of Toxic Monitoring Data for Precipitation

Author(s): NW Reid, MN Shackleton, CH Chan

Annual Conference: 1993, Vol. 4B

Paper ID: 93-RP-137.01

Great Lakes Toxic Deposition Monitoring Network: Wet Deposition of Toxic Organic Compounds in the Great Lakes Basin

Author(s): MN Shackleton, P Yang, F Moretti

Annual Conference: 1993, Vol. 4B

Paper ID: 93-RP-137.02

Toxic Organics and Trace Metals in Air and Precipitation at the U.S. IADN Stations

 $\label{eq:author} \mbox{Author(s): CW Sweet, I Basu, K Harlin} \\ \mbox{Annual Conference: } 1993, Vol. \, 4B$

Paper ID: 93-RP-137.03

Analysis of 1990 AES Air Sampling Data from the Point Petre IADN Master Station

Author(s): RM Hoff, KA Brice Annual Conference: 1993, Vol. 4B

Paper ID: 93-RP-137.04

Gas and Particle Phase Measurements of Toxic Chemicals in the Great Lakes Basin

Author(s): DA Lane, ND Johnson Annual Conference: 1993, Vol. 4B

Paper ID: 93-RP-137.05

C.P. Crane Low Sulfur Coal Test Burn Study

Author(s): JN Kusterer, WH Reamy Annual Conference: 1993, Vol. 4B

Paper ID: 93-RP-138.01

Evaporative Cooling to Restore Compliance in ESPs Operating Under a Low-Sulfur Coal Switch Scenario

Author(s): J Butz, M Durham Annual Conference: 1993, Vol. 4B

Paper ID: 93-RP-138.02

Fifteen Years Experience with Design and Operation of Reverse Air Baghouses on Fly ash from Low Sulfur Western Coals

Author(s): RJ Larson, DC Muggli Annual Conference: 1993, Vol. 4B

Paper ID: 93-RP-138.03

Novel Ceramic Filter for Collecting Low Sulfur Coal Fly

Author(s): RF Abrams, RL Goldsmith Annual Conference: 1993, Vol. 4B

Paper ID: 93-RP-138.04

Technology Integration for VOC Control

Author(s): JJ Sudnick

Annual Conference: 1993, Vol. 3B

Paper ID: 93-RP-139.01

Biofiltration for Control of Gas Streams Containing Low Concentrations of Volatile Organic Compounds

Author(s): J Yavorsky

Annual Conference: 1993, Vol. 3B

Paper ID: 93-RP-139.02

Choosing the Proper Pollution Control System for VOC Emissions

Author(s): WE Flederbach, M Traister, J Rinko

Annual Conference: 1993, Vol. 3B

Paper ID: 93-RP-139.03

Regenerative Thermal Oxidation with Total Capture

Author(s): JH Trewin

Annual Conference: 1993, Vol. 3B

Paper ID: 93-RP-139.04

Reasonably Available Control Technology for the Expandable Polystyrene Industry

Author(s): TJ Carter

Annual Conference: 1993, Vol. 3B

Paper ID: 93-RP-139.05

Remedial Strategies Should Enhance Property Value

Author(s): JS Heath

Annual Conference: 1993, Vol. 11B

Paper ID: 93-RP-140.02

Clean Air Act Amendments Impact on a Commercial Hazardous Waste Treatment Storage and Disposal

Author(s): SE Halterman, RJ McCormick, FM Wynn

Annual Conference: 1993, Vol. 11B

Paper ID: 93-RP-140.03

Alternative Contracting Strategies for Avoiding and Resolving Performance Disputes On Environmental Remediation Projects

Author(s): VO Manuele

Annual Conference: 1993, Vol. 11B

Paper ID: 93-RP-140.04

Risk Assessment and Air Quality at Superfund Sites

Author(s): FM Applehans, RA Zimmer, MW Johnshoy

Annual Conference: 1993, Vol. 11B

Paper ID: 93-RP-140.05

The Use of Air Quality Data at Superfund Sites to Minimize Exposure to Hazardous Air Pollutants

Author(s): LO Burbin

Annual Conference: 1993, Vol. 11B

Paper ID: 93-RP-140.06

The Inclusion of Risk in Capital Investment Decisions

Author(s): WT Stark, SE Swanson Annual Conference: 1993, Vol. 11B

Paper ID: 93-RP-140.08

Partnership in Environmental Technology Education

Author(s): PR Dickinson, CW Brink Annual Conference: 1993, Vol. 13

Paper ID: 93-RP-142.01

Environmental Equity, Siting and Public Participation

Author(s): T Kusterer

Annual Conference: 1993, Vol. 13

Paper ID: 93-RP-142.02

The Public Liaison Committee (PLC) An Effective Intermediate for the Communication of Risk to the General Public: A Case Study-Residential Dev. of a Former Municipal Landfill Site. What are the Risks and How Can They Be Effectively

Author(s): B Mills, A van der Vooren, J van Dusen

Annual Conference: 1993, Vol. 13

Paper ID: 93-RP-142.03

Public Participation in the Houston-Galveston Area State Implementation Plan Process

Author(s): K Kilpatrick, J Lentz Annual Conference: 1993, Vol. 13

Paper ID: 93-RP-142.04

New Jersey's Proposed Mercury Emissions Standard-Task Force Experience

Author(s): BK Jensen, MJ Clarke Annual Conference: 1993, Vol. 13

Paper ID: 93-RP-142.05

Strategic Environmental Communications and Public Relations

Author(s): D Stanowick

Annual Conference: 1993, Vol. 13

Paper ID: 93-RP-142.06

Public Participation in Siting a Hazardous Waste Management Facility Involving Complex Issues

Author(s): RC Allison, PA Bowman Annual Conference: 1993, Vol. 13

Paper ID: 93-RP-142.07

Washington's Hazardous Waste Reduction Act Measures of Success

Author(s): D Williams

Annual Conference: 1993, Vol. 14

Paper ID: 93-RP-143.01

Sustainable Development and Pollution Prevention

Author(s): TF Lavery, SR Linne, BJ Orlowski

Annual Conference: 1993, Vol. 14

Paper ID: 93-RP-143.02

Moving Environmental Data Electronically: The Opportunities and Challenges of Electric Data Interchange (EDI)

Author(s): DS Schwartz

Annual Conference: 1993, Vol. 14

Paper ID: 93-RP-143.03

A Compliance Information Management System for Air Quality Regulatory Needs

Author(s): BA Egan, RG McInnes, JM Kingsley

Annual Conference: 1993, Vol. 14

Paper ID: 93-RP-143.04

Determination of Organic Emissions from Steam Jet Exhausts

Author(s): JA Peters

Annual Conference: 1993, Vol. 5

Paper ID: 93-RP-144.01

Air Toxic Emission Inventory: Strategies and Database Development

Author(s): JM Reinhold, G Henderson, AN Patkar

Annual Conference: 1993, Vol. 5

Paper ID: 93-RP-144.02

Stratification Effects of Gaseous Criteria Pollutants in Landfill gas-Fired Flare Systems

Author(s): MW Bell

Annual Conference: 1993, Vol. 5

Paper ID: 93-RP-144.03

Combustion Characteristics of Weathered Gasoline Vapors

Author(s): FAM Buck, CW Hauck Annual Conference: 1993, Vol. 5 Paper ID: 93-RP-144.04

The Collection of Hazardous Dusts: Specific Electrostatic Precipitator Design Considerations-A Case Study

Author(s): EH Weaver, B Nutten, K Mallaley

Annual Conference: 1993, Vol. 5 Paper ID: 93-RP-144.05

Flow Corrections Increase Electrostatic Precipitator Efficiencies

Author(s): PJ Mathews

Annual Conference: 1993, Vol. 5

Paper ID: 93-RP-144.06

Update on EPA's Experience with Method 301: Field Validation of Emission Concentrations

Author(s): ML Toney

Annual Conference: 1993, Vol. 6

Paper ID: 93-RP-145.01

Evaluation of VOST and Semi VOST Methods for Halogenated Compounds in the Clean Air Act Amendments Title III: Validation Study at Fossil Fuel Plant

Author(s): MD Jackson, JE Knoll, MR Midgett

Annual Conference: 1993, Vol. 6 Paper ID: 93-RP-145.02

The Influence of Air Pollution on the Materials of Juan O'Gorman's Murals on the Central Library of the University of Mexico

Author(s): LM Torres, M Reyes, MG Urquiza

Annual Conference: 1993, Vol. 14

Paper ID: 93-RP-146.01

Protection of Marble Against Atmospheric Pollution Using Methods Based on the Mechanisms of Decays

Author(s): TN Skoulikidis, DC Charalambous, P

Papakonmstaninou

Annual Conference: 1993, Vol. 14

Paper ID: 93-RP-146.02

Conservation of Mexican Cultural Heritage

Author(s): JLG Madrid

Annual Conference: 1993, Vol. 14

Paper ID: 93-RP-146.03

An Educational Program Leading to Practical Outreach Programs: A Case Study

Author(s): RK Bhada, JD Morgan Annual Conference: 1993, Vol. 10

Paper ID: 93-RP-148.01

An International Environmental Training Program Sponsored by University-National Lab-DOE Consortium

Author(s): RK Bhada, RB Jaxquez Annual Conference: 1993, Vol. 10

Paper ID: 93-RP-148.02

College Students Attitudes and Perceptions Regarding Environmental Issues

Author(s): BK Jensen, RA Jensen Annual Conference: 1993, Vol. 10

Paper ID: 93-RP-148.03

Pollution Prevention: Methods and Technologies

Author(s): NA Scambilis

Annual Conference: 1993, Vol. 10

Paper ID: 93-RP-148.04

The Open Door Policy: A New Corporate Citizenship

Author(s): AJ Grant

Annual Conference: 1993, Vol. 10

Paper ID: 93-RP-148.06

TCMS in the 1990s: An EPA Region 9 Perspective

Author(s): JS Wamsley

Annual Conference: 1993, Vol. 6

Paper ID: 93-RP-149.02

The Design and Implementation of Vehicle Scrapping Programs

Author(s): R Sahu, RA Baxter Annual Conference: 1993, Vol. 6

Paper ID: 93-RP-149.03

Transportation Activity Modeling for the San Joaquin Valley Emission Inventory

Author(s): MM Quint, WR Loudon, D Wade

Annual Conference: 1993, Vol. 6

Paper ID: 93-RP-149.04

The Effectiveness of Transportation Control Measures in Reducing Congestion and Improving Air Quality

Author(s): WR Loudon, DR Dulla, DA Dagang

Annual Conference: 1993, Vol. 6

Paper ID: 93-RP-149.05

Travel Forecasting Guidelines for the Federal and California Clean Air Acts

Author(s): ML Outwater, WR Loudon

Annual Conference: $1993, Vol.\ 6$

Paper ID: 93-RP-149.06

A Review of The Southern Company Clean Air Compliance Strategy

Author(s): WD Herrin, HS Williamson

Annual Conference: 1993, Vol. 8

Paper ID: 93-RP-150.01

Expected Utility Sulphur Dioxide Emissions Under the U.S. ACID Rain control Program

Author(s): TL Montgomery, CS Fhillock

Annual Conference: 1993, Vol. 8

Paper ID: 93-RP-150.02

NAPAP: An Update of Program Activities and Plans

Author(s): D Winstanley

Annual Conference: 1993, Vol. 8

Paper ID: 93-RP-150.03

Title IV of the Clean Air Act: The New Acid Rain Program-An Overview

Author(s): LL Johnson

Annual Conference: 1993, Vol. 8

Paper ID: 93-RP-150.04

Environmental Aspects of SO Allowance Trading

Author(s): JD Kinsman

Annual Conference: 1993, Vol. 8

Paper ID: 93-RP-150.05

EPA Monitoring Requirements-"The Devil in The Detail"

Author(s): JP White

Annual Conference: 1993, Vol. 8

Paper ID: 93-RP-150.06

Future Prices and Market for SO Allowances

Author(s): AK Sanghi, A Joseph, K Michael

Annual Conference: 1993, Vol. 8

Paper ID: 93-RP-150.07

The Impact of Cost Recovery on Electric Utilities Clean Air Act Compliance Strategies

Author(s): DL Bensinger

Annual Conference: 1993, Vol. 8

Paper ID: 93-RP-150.08

Recent Trends in Hazardous Waste Management Legislation in Canada Compared to Established Federal Programs in the United States

Author(s): CMW Hodges

Annual Conference: 1993, Vol. 12

Paper ID: 93-RP-151.01

Clean Air technology Development in Canada Recent

Initiatives & Opportunities

Author(s): A Kosteltz, R Klicus Annual Conference: 1993, Vol. 12

Paper ID: 93-RP-151.02

Environmental Regulatory Flexibility in Manitoba

Author(s): JM McKernan, CJ Gillespie

Annual Conference: 1993, Vol. 12

Paper ID: 93-RP-151.05

Provincial Environmental Assessment Legislation and Waste Disposal Approvals

Author(s): J Willms, BN Spiegel Annual Conference: 1993, Vol. 12

Paper ID: 93-RP-151.06

Managing Environmental Assessments in Canada

Author(s): CJ Gillespie, JM McKernan

Annual Conference: 1993, Vol. 12

Paper ID: 93-RP-151.07

U.S. Air Force Refrigerant Management Software Program

Author(s): KQ Hart

Annual Conference: 1993, Vol. 10

Paper ID: 93-RP-152.02

Establishing a Company Policy on Ozone Depleting Substance Lessons Learned at TVA

Author(s): IS Silverbrg

Annual Conference: 1993, Vol. 10

Paper ID: 93-RP-152.03

Development and Implementation of CFC-Free Manual Cleaning Solvents at Air Force Plant No. 4

Author(s): TL Phillips, HJ Weltman, SP Evanoff

Annual Conference: 1993, Vol. 10

Paper ID: 93-RP-152.04

Refrigerant Management Plan (Phaseout of Ozone Depleting Chemicals)

Author(s): JF Iaconis

Annual Conference: 1993, Vol. 10

Paper ID: 93-RP-152.05

Ultrasonic Cleaning as a Replacement for Chlorinated Solvents

Author(s): LM Thompson, RL Eichholtz Annual Conference: 1993, Vol. 10

Paper ID: 93-RP-152.06

Results of a Long-Term Pilot Study of Land Treatment at a Former Wood Preserving Site

Author(s): TJ Simpkin, JL Uhland Annual Conference: 1993, Vol. 15

Paper ID: 93-RP-153.01

Biological Treatment and Design Parameters for Solid Matrices with High Petroleum Content

Author(s): DA Graves, C Sheehy Annual Conference: 1993, Vol. 15 Paper ID: 93-RP-153.02

Factors Affecting PAH Biodegradation in Liquid/Solids Contact Reactors

Author(s): KL Brown, J Sanseverino Annual Conference: 1993, Vol. 15

Paper ID: 93-RP-153.03

Treatment of Petroleum Hydrocarbon-Contaminated Soils Using a Modified Landfarming Approach

Author(s): D Wonder, J Nitzschke, CH Nelson

Annual Conference: 1993, Vol. 15

Paper ID: 93-RP-153.04

Aerated-Pile Composting Treatment of Hydrocarbon-Contaminated Soils at McCellan Air Force Base

Author(s): GT Hickman, JG Stefanoff, TJ Brennan

Annual Conference: 1993, Vol. 15

Paper ID: 93-RP-153.05

The Nation's First Mercury Emissions Standard: An Assessment of New Jersey's Standard for Municipal Waste Combustors

Author(s): MJ Clarke

Annual Conference: 1993, Vol. 16B

Paper ID: 93-RP-154.01

Heavy Metal Removal from Flue Gas Scrubber Water of Garbage Incinerators with TMT

Author(s): N Steiner

Annual Conference: 1993, Vol. 16B

Paper ID: 93-RP-154.02

Evaluation of Mercury Emission Reduction Alternatives for the Fort Dix Resource Recovery Facility

Author(s): PW Frillici, R Li, GH Bacon Annual Conference: 1993, Vol. 16B

Paper ID: 93-RP-154.03

A Performance Review of New Approaches in Incinerator Emission Control Using the Surface Filtration Concept

Author(s): TG Kreindl, G Pranghofer, GA Brinckman

Annual Conference: 1993, Vol. 16B

Paper ID: 93-RP-154.04

A Critical Review of Source Separation of High Nitrogen Municipal Solid Wastes Fuel Components on Nitrogen Oxide Emissions from Waste-to-Energy Facilities

Author(s): JR Stultz, FA Ferraro, ML Wilson

Annual Conference: 1993, Vol. 16B

Paper ID: 93-RP-154.05

Thermal DeNOx Optimization Program at the Huntington Municipal Waste Combustor

Author(s): G Tozin, L Brasowski Annual Conference: 1993, Vol. 16B

Paper ID: 93-RP-154.06

Overview of the Denver Air Quality Modeling Study (DAQMS)

Author(s): P Middleton, D Hopkins, H Lansford

Annual Conference: 1993, Vol. 1B

Paper ID: 93-RP-92C.01

Evaluation of Ambient Non-Methane Hydrocarbon Measurements Taken During the Winter of 1991-92 in Sacramento, California

Author(s): D Hammond, JP Cook Annual Conference: 1993, Vol. 1B

Paper ID: 93-RP-92C.02

Photochemical Monitoring and Modeling Plan for the Gulf of Mexico Air Quality Study

Author(s): MA Yocke, PT Roberts, W Steorts

Annual Conference: 1993, Vol. 1B

Paper ID: 93-RP-92C.03

Sacramento Summer Smog Studies-Scoping, Model Input Development, Forecasting and Control Strategy Evaluation

Author(s): RG Ireson, PT Roberts, DH Young

Annual Conference: 1993, Vol. 1B

Paper ID: 93-RP-92C.04

Approaches to Regional Oxidant Modeling of the Eastern U.S. as Part of the Lake Michigan Ozone Study

Author(s): RE Morris, GE Mansell, GM Wilson

Annual Conference: 1993, Vol. 1B

Paper ID: 93-RP-92C.05

A Retrospective Analysis of Ozone Studies in the Gulf Coast

Author(s): WB Beck, M Alexander Annual Conference: 1993, Vol. 1B

Paper ID: 93-RP-92C.06

Sulfur Dioxide Control in a Rotary Lime Kiln

Author(s): S Klafka

Annual Conference: 1993, Vol. 16B

Paper ID: 93-TA-173.01P

Long Term Durability of Solidified/Stabilized Mixed Waste Forms

Author(s): GJ Haubner, LA Rieser, MT Bowers

Annual Conference: 1993, Vol. 16B

Paper ID: 93-TA-173.02P

Emissions Control Strategies for Small Industrial Gas Turbines

Author(s): BW Rising, RJ Vacherot, JJ Hamill

Annual Conference: 1993, Vol. 16B

Paper ID: 93-TA-173.03P

Design of a Moving Bed Copper Oxide Process for Simultaneous SO and NOx Removal

Author(s): JT Yeh, J Hoffman, HW Penniline

Annual Conference: 1993, Vol. 16B

Paper ID: 93-TA-173.06P

Innovative Method for Sizing Plume Suppression System for a Hazardous Waste Incinerator

Author(s): P Acharya, SJ Kirslis, S Prabhu Annual Conference: 1993, Vol. 16B

Paper ID: 93-TA-173.07P

A Zero Solid Waste Sulfur Dioxide Scrubbing System on an Oil-Fired Boiler System

Author(s): RA Gibson, JA Bindewald Annual Conference: 1993, Vol. 16B Paper ID: 93-TA-173.09P

Modeling HS and SO Emissions from Flares

Author(s): J Weiler

Annual Conference: 1993, Vol. 16B

Paper ID: 93-TA-173.12P

Performance Evaluation of Alternate Area and Volume Source Models for Estimating Air Toxics Exposures Near Industrial Facilities

Author(s): JS Lague, D Pan Annual Conference: 1993, Vol. 1A

Paper ID: 93-TA-26A.01

Development of a Numerical Integration Area Source Algorithm for Industrial Source Complex Long Term (ISCLT) Model

Author(s): J Wang, RW Brode Annual Conference: 1993, Vol. 1A

Paper ID: 93-TA-26A.02

An Inversion Algorithm for Determining Area Source Strength from Downwind Concentration Measures

Author(s): M Lehning, DPY Chang, DR Shonnard, RL Bell

Annual Conference: 1993, Vol. 1A

Paper ID: 93-TA-26A.03

Comparison of a Turbulent Shear Flow Model with the Project Prairie Grass Diffusion Data

Author(s): WW Popenuck, DPY Chang Annual Conference: 1993, Vol. 1A

Paper ID: 93-TA-26A.04

Episodic Emissions Modeling Techniques

Author(s): WK Reeser, CP Hurrell Annual Conference: 1993, Vol. 1A

Paper ID: 93-TA-26A.05

A Dispersion Model for Highly Buoyant Plumes in Convective Conditions

Author(s): JC Weil, L Corio, RP Brower Annual Conference: 1993, Vol. 1A

Paper ID: 93-TA-26A.06

The Dependence of Cloud Chemistry on Drop-Size Experimental Observations and Implications

Author(s): JL Collett, A Bator, BB Demoz Annual Conference: 1993, Vol. 3A

Paper ID: 93-TA-27.01

Primary and Secondary PM 10 Impacts from a Steel Mill Derived From Diurnal Variations in Ambient Chemical and Meteorological Data

Author(s): BC Patterson, MW Smith Annual Conference: 1993, Vol. 3A

Paper ID: 93-TA-27.02

Tropospheric Sulfate and Nitrate Formation in the Presence of Dust

Author(s): Y Zang, GR Carmichael Annual Conference: 1993, Vol. 3A

Paper ID: 93-TA-27.03

Characterization of Peroxyacetyl Nitrate (PAN) at the Rural Southern Oxidants Study Site in Central Piedmont North Carolina, Site SONIA

Author(s): BE Hartsell, VP Aneja Annual Conference: 1993, Vol. 3A

Paper ID: 93-TA-27.04

Relative Importance of Primary vs Secondary Aerosols in Determining Visibility in the Colorado Front Range

Author(s): P Middleton, D Hopkins, H Lansford

Annual Conference: 1993, Vol. 3A

Paper ID: 93-TA-27.05

Particulate Sulfate and SO (g) in the Grand Canyon Region During Project MOHOVE Winter Intensive

Author(s): FM Caka, LJ Lewis, M Eatough

Annual Conference: 1993, Vol. 3A

Paper ID: 93-TA-27.06

An Introduction to the SCENES Aerosol Data Base

Author(s): LA Vasconcelos, ES Macias, WH White

Annual Conference: 1993, Vol. 2

Paper ID: 93-TA-28.01

Tracers of Opportunity for SOX in Air Masses Entering the Meadview, AZ Region from the Northwest, West & Southwest

Author(s): JM Joseph, LJ Lewis, D Eatough

Annual Conference: 1993, Vol. 2

Paper ID: 93-TA-28.02

Characteristics of Fugitive Dusts Generated at Owens Lake (Dry) California During the Fall Dust Season

Author(s): JCS Reid, TA Cahill, RG Flocchini

Annual Conference: 1993, Vol. 2

Paper ID: 93-TA-28.03

The Summer 1992 PM10 Saturation Monitoring Study in the Ashland, KY Area

Author(s): ES Ringler, VX Shrieves, NJ Berg

Annual Conference: 1993, Vol. 2

Paper ID: 93-TA-28.04

Removal Efficiencies in Terms of Particle Size and Concentration of Console Air Cleansers in a Suburban Home

Author(s): RS Steiber, LE Sparks Annual Conference: 1993, Vol. 11A

Paper ID: 93-TA-29.01

EPA's Indoor Air/Pollution Prevention Workshop

Author(s): KW Leovic, JB White, C Sarsony

Annual Conference: 1993, Vol. 11A

Paper ID: 93-TA-29.02

Formaldehyde Release and Exposure Projections from Low-Emitting Hardwood Plywood Wall Paneling and Particleboard Materials

Author(s): WJ Groah, GD Gramp, ML Hoag

Annual Conference: 1993, Vol. 11A

Paper ID: 93-TA-29.03

A Comparison of packed Bed Versus Carbon-Impregnated Fiber Filters Used for Gas-Phase Air Filtration-Phase 1

Author(s): CO Muller

Annual Conference: 1993, Vol. 11A

Paper ID: 93-TA-29.05

Changes in Long-Term Performance of Electrostatic Air Cleaners Caused by Electrode Contamination

Author(s): JA Dorsey, JH Davidson Annual Conference: 1993, Vol. 11A

Paper ID: 93-TA-29.06

Assessment of Changes in Reported TRI Releases Between 1989- and 1990

Author(s): JL Warren, GJ Riley, ES Goidel

Annual Conference: 1993, Vol. 5 Paper ID: 93-TA-30A.01

Development of an Air Toxics Emission Factor Data Quality Rating Criteria for the Great Lakes States

Author(s): L Bruckman, V Sadeghi, C Ratza

Annual Conference: 1993, Vol. 5 Paper ID: 93-TA-30A.02

FIRE Data System and AIR CHIEF CD-ROM-EPA's Two Newest Emission Estimation Tools

Author(s): AA Pope, AW Andrews Annual Conference: 1993, Vol. 5

Paper ID: 93-TA-30A.03

Estimating Evaporative Emissions from Storage Tanks Using EPA's TANKS Data Base Management System

Author(s): R Jones, A Pope Annual Conference: 1993, Vol. 5 Paper ID: 93-TA-30A.04

Assessing Air Toxic Emissions from the Primary and Secondary Treatment of Liquid Waste from a Paper and Pulp Mill

Author(s): CE Schmidt, D Suder, W Knuth

Annual Conference: 1993, Vol. 5 Paper ID: 93-TA-30A.05

Fugitive Emission Estimates for the Butadiene and Ethylene Oxide Industries

Author(s): RR Romano, sl Arnold, H Ellis

Annual Conference: 1993, Vol. 5 Paper ID: 93-TA-30A.06

Reducing the Cost of Treatment Through Standardization

Author(s): AS Chetty, JA Dryer, KL Mulholland

Annual Conference: 1993, Vol. 4A

Paper ID: 93-TA-31A.01

Toxic Air Emissions: What is the Total Cost to Your Business?

Author(s): KL Mulholland, JA Dyer Annual Conference: 1993, Vol. 4A

Paper ID: 93-TA-31A.02

Strategies for Compliance with the 1990 Clean Air Act Amendments (CAAA): A Case Study

Author(s): RD Petherbridge Annual Conference: 1993, Vol. 4A

Paper ID: 93-TA-31A.03

VOC Reduction Technology Development as part of the U.S. Department of Energy, Industrial Waste Reduction Program

Author(s): B Cranford

Annual Conference: 1993, Vol. 4A

Paper ID: 93-TA-31A.04

Comparative Study of Technologies for the Recovery or Destruction of Volatile Organic Compounds

Author(s): LL Hunter, VS Engleman, SJ Priebe

Annual Conference: 1993, Vol. 4A

Paper ID: 93-TA-31A.05

The Effect of Non-Uniform Flows on CEMS Flow Monitors

Author(s): JG Olin

Annual Conference: 1993, Vol. 2

Paper ID: 93-TA-32.01

Innovative Instrumentation for Real Time Monitoring of Mercury Emissions

Author(s): RJ Schlager, DE Hyatt, MD Durham

Annual Conference: 1993, Vol. 2

Paper ID: 93-TA-32.02

Impact of the 1990 CAAA Monitoring and Recordkeeping Requirements on Air Pollution Control Equipment

Author(s): ED Handel, GP Greiner Annual Conference: 1993, Vol. 2

Paper ID: 93-TA-32.03

Corporate Continuous Emissions Monitoring Reporting Workstation

Author(s): MW Brown, L Zuravleff, R Owens

Annual Conference: 1993, Vol. 2

Paper ID: 93-TA-32.04

Recent Advances in the Measurement of Mercury Species in Combustion Flue Gas Using Solid Phasde Adsorption and Cold Vapor Atomic Fluorescence Spectroscopy (CVAFS)

Author(s): EM Prestbo, N Bloom Annual Conference: 1993, Vol. 2

Paper ID: 93-TA-32.05

Permanent Total Enclosure Within the Printing Industry A Company's Review of Employee Comfort Factors

Author(s): TD Warlick

Annual Conference: 1993, Vol. 4A

Paper ID: 93-TA-33.01

VOC Capture for High Speed Publication Rotogravure Printing

Author(s): MJ Worrall

Annual Conference: 1993, Vol. 4A

Paper ID: 93-TA-33.02

Fugitive Voc Capture Systems Using the "Total Permanent Enclosure Concept" FALSE

Author(s): A Oiestad

Annual Conference: 1993, Vol. 4A

Paper ID: 93-TA-33.03

Evaluation of VOC Emission Measurement Methods for Paint Spray Booths

Author(s): BM Eklund, TP Nelson Annual Conference: 1993, Vol. 4A

Paper ID: 93-TA-33.04

Designing Effective and Safe Total Permanent Enclosures

Author(s): ME Lurkey

Annual Conference: 1993, Vol. 4A

Paper ID: 93-TA-33.05

Computer Modeling of Industrial Process Vent Systems

Author(s): LH Boyd, CB Henke, JF Steward

Annual Conference: 1993, Vol. 4A

Paper ID: 93-TA-33.06

Status of EPA's Twelve Month Study on Capture Efficiency and the Temporary Total Enclosure

Author(s): CB Sorrell

Annual Conference: 1993, Vol. 4A

Paper ID: 93-TA-33.07

Why Total Enclosure for Measuring Capture Efficiency?

Author(s): JC Berry

Annual Conference: 1993, Vol. 4A

Paper ID: 93-TA-33.08

Integrating Air Toxics Compliance with Pollution Prevention Planning

Author(s): AT Sandy, LB Parker, SW Givens

Annual Conference: 1993, Vol. 6

Paper ID: 93-TA-34.02

Maximum Achievable Control Technology (MACT)

Implementation in Louisiana

Author(s): CC Thompson Annual Conference: 1993, Vol. 6

Paper ID: 93-TA-34.03

Available Control Technologies for Title III Hazardous Air Pollutants

Author(s): GH Bacon, R Li, P Frillici Annual Conference: 1993, Vol. 6

Paper ID: 93-TA-34.04

Early Reductions Opportunities in the Pharmaceutical Industry: A Hypothetical Case Study

Author(s): R Pandullo, W Powell, D Beck

Annual Conference: 1993, Vol. 6

Paper ID: 93-TA-35.01

Pollution Prevention Opportunities in Permitting of Hazardous Air Pollutants

Author(s): GW Siple

Annual Conference: 1993, Vol. 6

Paper ID: 93-TA-35.02

New Air Emissions Standards for Municipal Waste Combustion Facilities--What Lies Ahead Under Title III of

the Clean Air Act Amendments of 1990

Author(s): SM DuBoff, AH Leskovsek Annual Conference: 1993, Vol. 6

Paper ID: 93-TA-35.03

Case Study: Preliminary BACT Analysis and Implication of MACT for a Proposed Cement Production Facility in the Republic of China

Author(s): JG Campion

Annual Conference: 1993, Vol. 6

Paper ID: 93-TA-35.04

The Role of Arsenic Emissions in Power Plant Risk Assessments: Uncertainties and Research Needs

Author(s): LB Graff, L Levin, A Silvers Annual Conference: 1993, Vol. 11A

Paper ID: 93-TA-36A.01

Case Study: Human Health and Ecological Baseline Risk Assessment of Wastewater Reuse for Seattle Metro

Author(s): LRJ Logan, EY Wu, JA Simmonds

Annual Conference: 1993, Vol. 11A

Paper ID: 93-TA-36A.02

PM10 Reduction in Utah County: Environmental Groups Government and Industry Working Together to Achieve Compliance with Federal Health Standards

Author(s): GC Bryner, SR Rushforth Annual Conference: 1993, Vol. 11A

Paper ID: 93-TA-36A.03

Inhalation Risk Assessment for All Power Plants in Maryland

Author(s): AL Birks, LA Corio, KL Zankel

Annual Conference: 1993, Vol. 11A

Paper ID: 93-TA-36A.04

Methodology for Assessing the Health Impact of Gaseous Emissions from a Pulp Mill

Author(s): RC Pleus, DR Suder, CE Schmidt

Annual Conference: 1993, Vol. 11A

Paper ID: 93-TA-36A.05

Uncertainty Analysis of Mercury Health Risk Estimates

Author(s): E Constantinou, S Brown, X Wu

Annual Conference: 1993, Vol. 11A

Paper ID: 93-TA-36A.06

Communicating Risk: Can We Say the Same Thing to Everyone?

Author(s): PD Fleischauer, ET Hawkins Annual Conference: 1993, Vol. 11A

Paper ID: 93-TA-36A.07

Estimation of the Air Quality Impacts of the Clean Air Act Amendments Title IV NOx Controls

Author(s): RE Morris, CA Emery, SB Shepard

Annual Conference: 1993, Vol. 3A

Paper ID: 93-TA-37A.01

A Collaborative Program to Evaluate the Performance of Photochemical Grid Models Used in Ozone Attainment Assessments

Author(s): DA Hansen

Annual Conference: 1993, Vol. 3A

Paper ID: 93-TA-37A.02

Assessing the Oxidative Potential of Urban Air Using the AIR-TRAK 2000 and the Integrated Empirical Rate (ER) Model

Author(s): IH Billick, WA Lonneman, RL Seila

Annual Conference: 1993, Vol. 3A

Paper ID: 93-TA-37A.03

Spatial Mapping of Preferred Strategies for Reducing Ambient Ozone Concentrations Nationwide

Author(s): CL Blanchard, PM Roth, HE Jeffries

Annual Conference: 1993, Vol. 3A

Paper ID: 93-TA-37A.04

RACT Determining of NOx Emissions from Maryland Power Plant Boilers

Author(s): RJ Borkowicz

Annual Conference: 1993, Vol. 3A

Paper ID: 93-TA-37A.05

Electric Utility Planning for CAAA Compliance

Author(s): DA Hanson

Annual Conference: 1993, Vol. 3A

Paper ID: 93-TA-37A.06

An Examination of Utility Emissions Contributions to Elevated Ozone Concentrations in the Chicago Area

Author(s): ME Fernau, KA Guziel, DW South

Annual Conference: 1993, Vol. 3A

Paper ID: 93-TA-37A.07

Speciation of a VOC Emission Inventory for Urban Airshed Modeling

Author(s): RM Everhart

Annual Conference: 1993, Vol. 6

Paper ID: 93-TA-38.01

A Look at the Differences Between base SIP Emission Inventories and Photochemical Modeling Inventories

Author(s): K Bargues

Annual Conference: 1993, Vol. 6

Paper ID: 93-TA-38.02

The Application of Integrated Environmental Management Concepts to Track emission Reduction Strategies Required Through the Clean Air Act Amendments of 1990

Author(s): DA Sullivan

Annual Conference: 1993, Vol. 6

Paper ID: 93-TA-38.03

Development of the Base Year UAM Modeling Emission Inventories for the Louisville, Kentucky Ozone SIP Attainment Demonstration

Author(s): L Gardner, HH Tuggal, RE Jackson

Annual Conference: 1993, Vol. 6

Paper ID: 93-TA-38.04

PM 10 State Implementation Plan Conformity Issues in Colorado

Author(s): RA Zimmer, WK Reeser Annual Conference: 1993, Vol. 6

Paper ID: 93-TA-38.05

The Potential Effects of Implementing the Provisions of the Clean Air Act Amendments of 1990 on Nitrogen Oxide Emissions and Nitrate Deposition to the Chesapeake Bay Watershed

Author(s): LA Corio

Annual Conference: 1993, Vol. 6

Paper ID: 93-TA-38.06

Delaware 1990 Emission Inventory

Author(s): DA Toothman, AR Deramo Annual Conference: 1993, Vol. 6

Paper ID: 93-TA-38.07

Energy Impacts of Air Quality Regulations in California

Author(s): AS Bining, MR Jaske, TN Tuff

Annual Conference: 1993, Vol. 6

Paper ID: 93-TA-38.08

Recent Experience Measuring Emissions of Aldehydes and Ketones Using EPA Method 0011

Author(s): JC Serne, MO White, JW Burdette

Annual Conference: 1993, Vol. 2

Paper ID: 93-TA-39.01

Cost-Effective Continuous Monitoring of Hazardous Air Pollutants for Superfund Cleanup Activities: A Case Study

Author(s): LR Deeney, CE Scmidt Annual Conference: 1993, Vol. 2

Paper ID: 93-TA-39.02

The Comprehensive Monitoring Program at the Rocky Mountain Arsenal

Author(s): KB Etheridge, CH Henderson

Annual Conference: 1993, Vol. 2

Paper ID: 93-TA-39.03

Sources of Airborne Polychlorinated Biphenyls in Southeast Chicago

Author(s): PA Scheff, JAN Darrow Annual Conference: 1993, Vol. 2

Paper ID: 93-TA-39.04

Relating Near Surface Mercury Concentrations in Soil to Volatile Mercury Flux into Air

Author(s): A Roffman, RP(Paul) Shervill, T Bell

Annual Conference: 1993, Vol. 2

Paper ID: 93-TA-39.05

Application of the EPA Multi-Metals Train to Radionuclides Measurement at the Paducah Gaseous Diffusion Plant

Author(s): RE Pudelek, RP Moore, DW Jones

Annual Conference: 1993, Vol. 2

Paper ID: 93-TA-39.06

Automated Monitoring of Mercury Vapour in Ambient Air In the sub-ng/m Range: Mobile and Stationary Applications

Author(s): AC Ng, MD Corbridge, DR Schneeberger

Annual Conference: 1993, Vol. 2

Paper ID: 93-TA-39.07

A Comparison of Three Year's Gaseous Toxics Data Collected by Different Agencies at Five Common Sites

Author(s): DA Levaggi, W Siu, MW Poore

Annual Conference: 1993, Vol. 2

Paper ID: 93-TA-39.08

Use of GIS in Discharge Response Planning

Author(s): GL Bicle

Annual Conference: 1993, Vol. 13

Paper ID: 93-TA-40.01

Kalman Filtering for Ambient Air Pollution Analyzers

Author(s): B Halsted, GJ Fetzer Annual Conference: 1993, Vol. 13

Paper ID: 93-TA-40.02

Monte Carlo Analysis: A Realistic Approach to Assessing Human Health Risks

Author(s): PD Anderson, BW Schwab, B Ruffle

Annual Conference: 1993, Vol. 13

Paper ID: 93-TA-40.03

Automated Method for Establishing National Institute of Standards and Technology Traceable Certifications of Secondary and Tertiary Compresses Gas Standards

Author(s): GH Achtelik, KA Howard, EV Lawrence

Annual Conference: 1993, Vol. 13

Paper ID: 93-TA-40.04

Versatile Application of GIS to Support a Superfund Remedial Investigation/Feasibility Study

Author(s): JM Lee, JE Norris Annual Conference: 1993, Vol. 13

Paper ID: 93-TA-40.05

Using Geographic Information System Technology to Evaluate the Potential for Radionuclide Air Releases from Diffuse Sources

Author(s): AM Liebold, RJ Fox, WG Fraser

Annual Conference: 1993, Vol. 13

Paper ID: 93-TA-40.06

Analysis of Long-Term Ground Water Monitoring Data Using Fractal Geostatistics

Author(s): D Poon

Annual Conference: 1993, Vol. 13

Paper ID: 93-TA-40.07

A Tale of Two Cities

Author(s): KA Bartholomew Annual Conference: 1993, Vol. 1A

Paper ID: 93-TA-41A.01

Development of a Technical Manual for Air Quality Studies in New York City

Author(s): RF Conway, M Lee Annual Conference: 1993, Vol. 1A

Paper ID: 93-TA-41A.02

Development of a Program Framework and Implementation Process for the Transportation and Growth Management Program in the South Coast Air Quality Management District

Author(s): VA Evans, DD Morrow Annual Conference: 1993, Vol. 1A

Paper ID: 93-TA-41A.04

Indirect Source Control Programs in Ozone Nonattainment Plans in California

Author(s): VA Evans, RC Jones Annual Conference: 1993, Vol. 1A

Paper ID: 93-TA-41A.05

An Integrated Information System for Mobile Monitoring

Author(s): J Zhuang, GM Zarus, KA Harvey

Annual Conference: 1993, Vol. 1A

Paper ID: 93-TA-41A.06

Socio-Spatial Patterns of Vehicle Ownership in Southern California A Preliminary Study

Author(s): SC Rajan

Annual Conference: 1993, Vol. 1A

Paper ID: 93-TA-41A.07

The Roles of the Federal Land Manager, the EPA and the State Agency During Review of a PSD Permit Application

Author(s): MS Podrez

Annual Conference: 1993, Vol. 12

Paper ID: 93-TA-42.01

Messing With Paradise: Air Quality and Geothermal

Development in Hawaii

Author(s): AW Campbell

Annual Conference: 1993, Vol. 12

Paper ID: 93-TA-42.02

Hazardous Waste Regulation on the Public Lands

Author(s): RL Dudley

Annual Conference: 1993, Vol. 12

Paper ID: 93-TA-42.03

Long-Term Monitoring of Ozone Injury to Jeffrey and Ponderosa Pines in Sequoia and Kings Canyon National Parks

Author(s): DM Ewell, DT Gay Annual Conference: 1993, Vol. 12

Paper ID: 93-TA-42.04

Tribal Involvement Regarding Mineral Processing Wastes in the Coeur d'Alene River Basin

Author(s): CA Ridolfi

Annual Conference: 1993, Vol. 12

Paper ID: 93-TA-42.05

The Bureau of Land Management's Superfund Program

Author(s): KL Ford, D Schafersman Annual Conference: 1993, Vol. 12

Paper ID: 93-TA-42.06

Effects of Long-Term Ozone Exposure on Superoxide Dismutase and Peroxidase Activities in Lobiolly Pine (Pinus taeda L.)

Author(s): BH Sheu, AH Chappelka Annual Conference: 1993, Vol. 11A

Paper ID: 93-TA-43.01

An Investigation of the Long Term Effects of Ozone and Elevated Carbon Dioxide on Eastern Forest Species: First Year Response

Author(s): J Rebbeck

Annual Conference: 1993, Vol. 11A

Paper ID: 93-TA-43.02

Determination of Acidic Gas and Particle Concentrations in Open-Top Field Chambers

Author(s): A Bytnerowicz, M Tran, P Anderson

Annual Conference: 1993, Vol. 11A

Paper ID: 93-TA-43.03

Response of Shortleaf Pine to Ozone and Drought Stress

Author(s): RB Flager, jc Brissette, CG Elsik

Annual Conference: 1993, Vol. 11A

Paper ID: 93-TA-43.04

Evaluation of the Effects of Air Quality on Tundra Vegetation at Prudhoe Bay, Alaska

Author(s): R Kohut, RG Amundson, JA Lawrence

Annual Conference: 1993, Vol. 11A

Paper ID: 93-TA-43.05

Establishing the Ohio Petroleum Underground Storage Tank Release Compensation Board: Dispelling the Notion of a "Pot of Gold"

Author(s): RC Murray, JJ Miller Annual Conference: 1993, Vol. 12

Paper ID: 93-TA-44.01

Underground Storage Tank Insurance-A Review

Author(s): M Sommer, J Glassman Annual Conference: 1993, Vol. 12

Paper ID: 93-TA-44.02

Controlling Costs in the New Mexico Underground Storage Tank Cleanup Fund

Author(s): JP Berazi

Annual Conference: 1993, Vol. 12

Paper ID: 93-TA-44.03

Strategic Waste Management and Treatment Planning by the Use of a Plant-Wide Wastewater System Model

Author(s): JA Zupan

Annual Conference: 1993, Vol. 14

Paper ID: 93-TA-45A.01

Integration of Pollution Prevention Techniques into Total Quality Management Programs for the Metal Finishing and Printed Circuit Board Industry

Author(s): TP Adkisson

Annual Conference: 1993, Vol. 14

Paper ID: 93-TA-45A.02

Pollution Prevention Planning: The Balancing Act

Author(s): SW Givens, JK Cable Annual Conference: 1993, Vol. 14

Paper ID: 93-TA-45A.03

Leading or Being Led? Pollution Prevention and Regulatory Compliance

Author(s): GT Everett, J Giltner Annual Conference: 1993, Vol. 14

Paper ID: 93-TA-45A.04

Pollution Prevention Planning: The Enterprise Solution

Author(s): JV Anderson, GE Tice Annual Conference: 1993, Vol. 14 Paper ID: 93-TA-45A.05

A Study of the Trends of Trace Metals Emissions form Medical Waste Incinerators in Wisconsin

Author(s): PO Yeung

Annual Conference: 1993, Vol. 15

Paper ID: 93-TA-47.01

Regulatory Developments Affecting Medical Waste Disposal

Author(s): RG Hyland

Annual Conference: 1993, Vol. 15

Paper ID: 93-TA-47.03

Survey of State Air Regulations on Medical Waste Incinerators

Author(s): PC Seibert, WV Straub Annual Conference: 1993, Vol. 15

Paper ID: 93-TA-47.04

Need and Siting Regulations for Medical Waste Incineration in the State of Wisconsin

Author(s): JF Heinrich, J Bhattacharyya Annual Conference: 1993, Vol. 15

Paper ID: 93-TA-47.05

Successful Technique for Achieving Pollution

Prevention/Waste Minimization

Author(s): N Mukhopadhyay Annual Conference: 1993, Vol. 16A

Paper ID: 93-TA-48.01

Mercury, Batteries and MSW

Author(s): RL Balfour

Annual Conference: 1993, Vol. 16A

Paper ID: 93-TA-48.02

Consumer Response to Environmental Shopping Campaigns: Design of a New York City Case Study

Author(s): MJ Clarke

Annual Conference: 1993, Vol. 16A

Paper ID: 93-TA-48.03

Managing Mercury-Bearing Wastes for Hennepin County Waste-to-Energy Facilities

Author(s): CJ Michaud

Annual Conference: 1993, Vol. 16A

Paper ID: 93-TA-48.04

Macro Materials Modeling for Analyzing Solid Waste Management Options

Author(s): GM Holter, KA Pennock, SR Shaver

Annual Conference: 1993, Vol. 16A

Paper ID: 93-TA-48.05

U.S. Doe, Oak Ridge a Field Office Environmental Compliance Auditing Program

Author(s): MP Humpreys, EM Atkins Annual Conference: 1993, Vol. 13 Paper ID: 93-TP-174.01P

Illinois Critical Tends Assessment Project: A Case Study, Atmospheric Deposition

Author(s): VC Bowersox, DA Dolske Annual Conference: 1993, Vol. 13 Paper ID: 93-TP-174.02P

The U.S. Army Environmental Noise Program

Author(s): DM Benton

Annual Conference: 1993, Vol. 13

Paper ID: 93-TP-174.03P

Implementing the Clean Air Act Amendments of 1990: The Perspective of a Department of Energy Contractor

Author(s): R Kingrea, MP Humphreys Annual Conference: 1993, Vol. 13 Paper ID: 93-TP-174.04P

The Clean Air Act Ozone Design Value Study: A Status Report

Author(s): WP Freas

Annual Conference: 1993, Vol. 13

Paper ID: 93-TP-174.05P

Involving the Public in the Dose Reconstruction Process at the Rocky Flats Nuclear Weapons Plant

Author(s): SM Zoda, NC Morin Annual Conference: 1993, Vol. 13 Paper ID: 93-TP-174.06P

A Prototype Operational Mesoscale Air Dispersion Forecasting System Using RAM and HYPACT

Author(s): WA Lyons, CJ Tremback Annual Conference: 1993, Vol. 1A

Paper ID: 93-TP-26B.01

The Impact of Thunderstorms upon Mesoscale Air Pollution Dispersion

Author(s): WA Lyons, JL Eastman Annual Conference: 1993, Vol. 1A

Paper ID: 93-TP-26B.02

Using Air Dispersion Modeling as a Key Tool for Reentry Decision Making Following an Accidental Release of Chemical Warfare Agent

Author(s): DP Lombardi, MD Morris, AP Watson

Annual Conference: 1993, Vol. 1A

Paper ID: 93-TP-26B.04

A Numerical Model for Slow Nocturnal Air Flow

Author(s): GL Achtemeier Annual Conference: 1993, Vol. 1A

Paper ID: 93-TP-26B.05

Numerical Study of the Effects of Grid Spacing on Dispersion and Tracer Evaluation

Author(s): JL Eastman, RA Pielke, WA Lyons

Annual Conference: 1993, Vol. 1A

Paper ID: 93-TP-26B.06

An Investigation of the Latest Technical Change to ISC: Direction Specific Treatment of Building Downwash in the Huber-Snyder Algorithm

Author(s): JA Naggar, BC Burdorf Annual Conference: 1993, Vol. 1A

Paper ID: 93-TP-26B.07

A Successful in-house Toxic Air Contaminant Tracking System Used by Lockheed Missiles & Space Company, Inc.

Author(s): KL Kurucz, RC Antrim Annual Conference: 1993, Vol. 5 Paper ID: 93-TP-30B.01

Estimation of Toxic Air Pollutant Emissions and Development of a Supporting Information Management System for Vandenberg Air Force Base

Author(s): JA Levy, TL Schawitsch, H Thoreson

Annual Conference: 1993, Vol. 5

Paper ID: 93-TP-30B.02

Environmental Data Management System of Amoco Production Company

Author(s): JW Warner

Annual Conference: 1993, Vol. 5

Paper ID: 93-TP-30B.03

An Air Resources Management System

Author(s): WJ Walsh, JR Johansson, JF Takacs

Annual Conference: 1993, Vol. 5 Paper ID: 93-TP-30B.04

An Air Toxics Emission Calculation and Reporting System for Batch Operations

Author(s): JF Takacs, LA Labrie, WJ Walsh

Annual Conference: 1993, Vol. 5

Paper ID: 93-TP-30B.05

Database Tools for Integrated Air Emissions Management:

A California Study

Author(s): SB Ohshita, A Ziegler, A Shapira

Annual Conference: 1993, Vol. 5 Paper ID: 93-TP-30B.06

VOC Abatement and Solvent Recovery Using Activated Carbon Adsorption Technology

Author(s): DA Lobmeyer

Annual Conference: 1993, Vol. 4A

Paper ID: 93-TP-31B.01

Preconcentration and Recovery of Solvent Using Activated Carbon Fiber Adsorption

Author(s): RE Kenson

Annual Conference: 1993, Vol. 4A

Paper ID: 93-TP-31B.02

TVS Emission Reduction Technology for Drycleaning

Author(s): RR Brown

Annual Conference: 1993, Vol. 4A

Paper ID: 93-TP-31B.03

Carbonaceous Adsorbents for the Prevention of Bed Fires

Author(s): SG Maroldo, MT Vandersall Annual Conference: 1993, Vol. 4A

Paper ID: 93-TP-31B.04

Installation and Operation of SORBATHENE Solvent Vapor Recovery Units to Recover and Recycle Volatile Organic Compounds at Operating Sites within the DOW Chemical Company

Author(s): L Larrinaga, TL Hall Annual Conference: 1993, Vol. 4A

Paper ID: 93-TP-31B.05

Removal of Air Toxics: A Comparison of the Adsorption Characteristics of Activated Carbon and Zeolites

Author(s): D Crompton, A Gupta Annual Conference: 1993, Vol. 4A

Paper ID: 93-TP-31B.06

Industrial Applications for Membrane Vapor Recovery Systems

Author(s): ML Jacobs, RW Baker, J Kaschemekat

Annual Conference: 1993, Vol. 4A

Paper ID: 93-TP-31B.07

Status of RCRA Permitting of Open Burning and Open Detonation of Explosive Wastes

Author(s): RG Teer, RE Brown, HE Sarvis Annual Conference: 1993, Vol. 11A

Paper ID: 93-TP-36B.01

The Evaluation of Peak Exposures to Meet State and Clean Air Act Requirements: Benefits of Establishing a Proactive Position

Author(s): DA Sullivan, TG Grosch, DJ Hlinka

Annual Conference: 1993, Vol. 11A

Paper ID: 93-TP-36B.02

Inventory of Non-Cancer Health Effects of Hazardous Air Pollutants: An Overview of Existing Inhalation Data

Author(s): JJ Vandenberg, IL Cote, K Sexton

Annual Conference: 1993, Vol. 11A

Paper ID: 93-TP-36B.03

Notification Guidelines for Risk Communication Under the Air Toxics "Hot Spots" Program

Author(s): S Kaiser, GV Alexeeff Annual Conference: 1993, Vol. 11A

Paper ID: 93-TP-36B.04

An Integrated Approach to Meeting Risk-based Cleanup Goals at a Lead-Contaminated Site

Author(s): SG Zemba, EAC Crouch, LC Green

Annual Conference: 1993, Vol. 11A

Paper ID: 93-TP-36B.06

Risk Communications in the Era of Right to Know

Author(s): MI Woodell

Annual Conference: 1993, Vol. 11A

Paper ID: 93-TP-36B.07

Health and Environmental assessment of Sodium Bicarbonate-Containing Abrasive Blast Media

Author(s): ME Spearman, R Coleman, K Blumefeld

Annual Conference: 1993, Vol. 11A

Paper ID: 93-TP-36B.08

Modeling the Impact of Spatial Redistribution of NOx Emission

Author(s): RM Bloxam, S Wong, PK Misra

Annual Conference: 1993, Vol. 3A

Paper ID: 93-TP-37B.01

A Reactive Plume Model and its Applications to NOx Emissions from Nanticoke TGS

Author(s): X Lin

Annual Conference: 1993, Vol. 3A

Paper ID: 93-TP-37B.02

The Regional Clean Air Act Incentives Market-Issues in Coordination of Energy and Air Quality Policy

Author(s): CG Praul, MR Jaske Annual Conference: 1993, Vol. 3A

Paper ID: 93-TP-37B.04

Regulatory and Economic Flexibility for Retrofit Control of Air Emissions

Author(s): VM Albanese

Annual Conference: 1993, Vol. 3A

Paper ID: 93-TP-37B.05

Quantifying the Emissions Reduction Effectiveness and Cost of Oxygenated Gasoline

Author(s): CE Lyons

Annual Conference: 1993, Vol. 2

Paper ID: 93-TP-41B.01

UV Absorption Technique for Monitoring Mobile Source NO Emissions

Author(s): RP Howard, WJ Phillips Annual Conference: 1993, Vol. 2

Paper ID: 93-TP-41B.02

A Structural Time Series Assessment of the Effectiveness of the Oxygenated Fuel Program in Reducing Carbon Monoxide Concentrations in Downtown, Denver

Author(s): P Wolfe, LG Anderson, JA Lanning

Annual Conference: 1993, Vol. 2

Paper ID: 93-TP-41B.03

On Line Auto GC Design and Operation

Author(s): JF Ryan, I Seeley Annual Conference: 1993, Vol. 2 Paper ID: 93-TP-41B.04

Sulfur and Nitrogen Balances for the Chicago Area by Receptor Modeling

Author(s): RA Wadden, JS Lee, PA Scheff

Annual Conference: 1993, Vol. 2

Paper ID: 93-TP-41B.05

Planning for Zero Discharge: A Case History

Author(s): EA Kobylinski, A Shanker, RA Hulsey

Annual Conference: 1993, Vol. 14

Paper ID: 93-TP-45B.01

Pollution Prevention at Hoechst Celanese Narrows, VA

Author(s): RD Langford

Annual Conference: 1993, Vol. 14

Paper ID: 93-TP-45B.02

Design Storage Tank Facilities for Reduced Emissions

Author(s): JP Sulkowski

Annual Conference: 1993, Vol. 14

Paper ID: 93-TP-45B.03

Pollution Prevention in Action: Control of VOC (Air Toxics) Releases from a Wastewater Treatment Plant

Author(s): RM D'Amato, TL Pennella, EV Brown

Annual Conference: 1993, Vol. 14

Paper ID: 93-TP-45B.04

Pollution Prevention Evaluation of a Printing Plate Making Process at a Pharmaceutical Manufacturing Plant

Author(s): JD Enzminger, B Klag Annual Conference: 1993, Vol. 14

Paper ID: 93-TP-45B.05

Lockheed Aeronautical Systems Company Strategic Plan for Pollution Prevention

Author(s): J Giles, D Edwards, RA Hirsekorn

Annual Conference: 1993, Vol. 14

Paper ID: 93-TP-45B.06

Evaluation of Filtration and Distillation Method for Recycling Automotive Coolant

Author(s): PM Randall, AR Gavaskar Annual Conference: 1993, Vol. 14

Denor ID: 02 TD 45D 07

Paper ID: 93-TP-45B.07

Factor Analysis Under General Conditions Applied to Aerosol Apportionment

Author(s): H Yang

Annual Conference: 1993, Vol. 1A

Paper ID: 93-TP-49.01

Source Apportionment of Organic and Light Absorbing Carbon Using Receptor Modeling Techniques

Author(s): WC Malm, KA Gebhart Annual Conference: 1993, Vol. 1A

Paper ID: 93-TP-49.02

Numerical Modeling of Air Pollution Transport in Southwestern United States Using Source and Receptor-Oriented Techniques

Author(s): M Uliasz, RA Pielke, RA Stocker

Annual Conference: 1993, Vol. 1A

Paper ID: 93-TP-49.03

Development of Regional Haze Screening Models

Author(s): DA Latimer

Annual Conference: 1993, Vol. 1A

Paper ID: 93-TP-49.04

The PLUVUE II Visibility Modeling System

Author(s): DC DiCristofaro, J Touma, LW Richards

Annual Conference: 1993, Vol. 1A

Paper ID: 93-TP-49.05

Power Plant Plume Transport in a Narrow Valley in the Presence of Complex Wind and Thermal Vertical Structure

Author(s): JE Gaynor, RB Fritz, YJ Ping Annual Conference: 1993, Vol. 1A

Paper ID: 93-TP-49.06

Particulate Air Toxics Characterization at a Gray Iron Foundry

Author(s): TA Potas, LN Blair Annual Conference: 1993, Vol. 4A

Paper ID: 93-TP-50.01

Measurement and Evaluation of Soluble Compounds in Chicago Air

Author(s): RA Wadden, PA Scheff, Y Zhou

Annual Conference: 1993, Vol. 4A

Paper ID: 93-TP-50.02

Transformations of Toxic Metals and Chloride Compounds in the Atmosphere

Author(s): J Wrobel, S Ohshita, C Seigneur

Annual Conference: 1993, Vol. 4A

Paper ID: 93-TP-50.03

Effects of Using Oxygenated Fuels on the Concentrations of Aldehydes in Denver

Author(s): LG Anderson, JA Lanning, RA Barrell

Annual Conference: 1993, Vol. 4A

Paper ID: 93-TP-50.04

Characterization of Ambient and Deposition Concentrations of Trace Metals and Chloride in North America

Author(s): CE McDade, G Kuntasal, P Pai

Annual Conference: 1993, Vol. 4A

Paper ID: 93-TP-50.05

Fine Particle Removal for HazWaste Incinerators with the Ionizing Wet Scrubber

Author(s): SV Sheppard

Annual Conference: 1993, Vol. 4A

Paper ID: 93-TP-51.01

Cryogenic Vapor Recovery of VOC Emissions

Author(s): GW Henzler, GT Sameshima Annual Conference: 1993, Vol. 4A

Paper ID: 93-TP-51.02

Application of BMP Concepts to Air Emissions Reductions: A Case Study

Author(s): E Schiff, M Karell, JW Boddy Annual Conference: 1993, Vol. 4A

Paper ID: 93-TP-51.03

Novel and Hybrid Control Systems for Control of Air Toxic Emissions

Author(s): AN Patkar, JM Reinhold Annual Conference: 1993, Vol. 4A

Paper ID: 93-TP-51.04

Process Modification for Pollution Prevention in the Synthetic Organic Chemical Manufacturing Industry

Author(s): AN Patkar, G Henderson Annual Conference: 1993, Vol. 4A

Paper ID: 93-TP-51.05

Open-Top Vapor Degreaser Emissions Study

Author(s): SA Chestnut, TW Stucker Annual Conference: 1993, Vol. 4A

Paper ID: 93-TP-51.06

Recent Developments in Removal of Hazardous and Toxic Chemical Using Mist Scrubbing Technology

Author(s): HJ Rafson

Annual Conference: 1993, Vol. 4A

Paper ID: 93-TP-51.07

Biofiltration: Design Principles and Pitfalls

Author(s): HL Bohn

Annual Conference: 1993, Vol. 3A

Paper ID: 93-TP-52A.01

Modeling and Preliminary Design Criteria for Packed Bed-Biofilters

Author(s): BC Baltzis, Z Shareefdeen Annual Conference: 1993, Vol. 3A

Paper ID: 93-TP-52A.03

Development of Aerobic Biofilter Design Criteria for Treating VOCs

 $\hbox{Author(s): GA Sorial, FL Smith, PJ Smith}$

Annual Conference: 1993, Vol. 3A

Paper ID: 93-TP-52A.04

Treatment of Volatile Organic Compounds in Waste Gases Using a Trickling Biofilter System: A Modeling Approach

Author(s): PJ Smith, P Biswas, MT Suidan

Annual Conference: 1993, Vol. 3A

Paper ID: 93-TP-52A.05

Development and Testing of High-Efficiency Biofilters

Author(s): F Aabo, K Fischer, U Motz Annual Conference: 1993, Vol. 3A

Paper ID: 93-TP-52A.06

An Investigation of the Effectiveness of Automotive Engine Preheaters in Reducing Carbon Monoxide Emissions in Cold Start Conditions

Author(s): DC Junge, H Schroeder Annual Conference: 1993, Vol. 3B

Paper ID: 93-TP-53.01

The Evaluation of Potential I/M Tests for an Enhanced Inspection and Maintenance Program

Author(s): R Ragazzi, K Nelson Annual Conference: 1993, Vol. 3B

Paper ID: 93-TP-53.02

An Alternative Screening Procedure for Evaluating Potential Carbon Monoxide Impact from New Development

Author(s): S Vijayakumar, M Lee Annual Conference: 1993, Vol. 3B

Paper ID: 93-TP-53.03

Mobile Source CO Modeling. How Good Is It?

Author(s): CE Chapin

Annual Conference: 1993, Vol. 3B

Paper ID: 93-TP-53.04

The CAL3QHC (Version 2) Mobile Air Quality Dispersion Model: Critical Input Parameters

Author(s): S Petsios, H Nudelman, J Soden

Annual Conference: 1993, Vol. 3B

Paper ID: 93-TP-53.05

SMOGLOG- An Inexpensive System for Monitoring/Control of Motor Vehicle Usage and Emissions

Author(s): MA Yocke

Annual Conference: 1993, Vol. 3B

Paper ID: 93-TP-53.06

Regulations Pertaining to Vehicle Fleets Contained in the 1990 Clean Air Act Amendments, Colorado Regulations and Denver Municipal Codes

Author(s): SL Bowless, LA Manderion Annual Conference: 1993, Vol. 3B

Paper ID: 93-TP-53.07

The Project System Dilemma in Conformity Analysis-Integrating Microscale and Areawide Emission and Dispersion Modeling

Author(s): RG Ireson, ba Austin, EL Carr Annual Conference: 1993, Vol. 3B

Paper ID: 93-TP-53.08

Open Burning/Open Detonation Waste Disposal Modeling

Author(s): RD Dobson

Annual Conference: 1993, Vol. 10

Paper ID: 93-TP-54.01

Clean Air act Title V Permitting at Federal Facilities

Author(s): JL Shumaker, WJ Stutz Annual Conference: 1993, Vol. 10

Paper ID: 93-TP-54.02

Model Hazardous Air Pollutants (HAP) Inventory at Hill Air Force Base, Utah-A Case Study

Author(s): J Gupta, T Hardesty, CC Mecham

Annual Conference: 1993, Vol. 10

Paper ID: 93-TP-54.03

Federal Facility Compliance Demonstration With State Air Toxics Regulations

Author(s): SD Hoheneder, BR Parrish, BW Jacobs

Annual Conference: 1993, Vol. 10

Paper ID: 93-TP-54.04

Emissions Inventory Enhances Environmental Management at a DOD Facility

Author(s): BR Parrish, BW Jacobs, S Hoheneder

Annual Conference: 1993, Vol. 10

Paper ID: 93-TP-54.05

JP-4 Vapor Emission Control from Underground Storage Tanks

Author(s): RM Schilling, G Jacks Annual Conference: 1993, Vol. 10

Paper ID: 93-TP-54.06

AQUIS: A PC-Based Source Information Manager

Author(s): AE Smith, CC Huber, J Tschanz

Annual Conference: 1993, Vol. 10

Paper ID: 93-TP-54.07

Emission Trading Potential for DOD Base Closures

Author(s): MJ Savole

Annual Conference: 1993, Vol. 10

Paper ID: 93-TP-54.08

Accounting for Environmental Compliance: Crossroads of GAAP Engineering and Government

Author(s): JP Surma

Annual Conference: 1993, Vol. 12

Paper ID: 93-TP-55.01

The SEC and Financial Statement Reporting of Environmental Contingencies

Author(s): TI Seiling

Annual Conference: 1993, Vol. 12

Paper ID: 93-TP-55.02

Retrospective Air Quality Analysis for PM, SO, and NOx Benefits of the Clean Air Act

Author(s): JR Harrington, JE Langstaff, KA McAuliffe

Annual Conference: 1993, Vol. 12

Paper ID: 93-TP-56.01

AIRMOD: A Clean Air Act Compliance Costs Model

Author(s): TD Gillard, KF McCutcheon, SM Roe

Annual Conference: 1993, Vol. 12

Paper ID: 93-TP-56.02

Permitting an Integrated Gasification Combined Cycle Project

Author(s): DW Dixon, N Gordon, HE Andus

Annual Conference: 1993, Vol. 12

Paper ID: 93-TP-56.03

Emission of Rare-Earth Elements from Oil-Related Industries

Author(s): ME Kitto

Annual Conference: 1993, Vol. 6

Paper ID: 93-TP-57.01

Inventory of Air Emissions of Mercury

Author(s): T Lapp, D Wallace, R Jones Annual Conference: 1993, Vol. 6

Paper ID: 93-TP-57.02

Estimating Trace Emission Factors for Utility Generating

Author(s): DB Room, D Cohan, L Levin

Annual Conference: 1993, Vol. 6

Paper ID: 93-TP-57.03

Emission Factors for Arc Welding

Author(s): SB Hance, RW Gerstie, GN Csordas

Annual Conference: 1993, Vol. 6

Paper ID: 93-TP-57.04

Insights into Louisiana's Toxic Emissions Data Inventory (TEDI) System

Author(s): JJ Orgeron, Jr Annual Conference: 1993, Vol. 6

Paper ID: 93-TP-57.05

Emission Estimation Methodologies-Paint Manufacturing Industry

Author(s): PW Fisher, SA Frey, K Deb Annual Conference: 1993, Vol. 6

Paper ID: 93-TP-57.07

Chemical Mass Balance Receptor Modeling for Volatile Organic Compounds

Author(s): C Lin, JB Milford Annual Conference: 1993, Vol. 1B

Paper ID: 93-TP-58.01

Source Apportionment of Air Pollution in China: Extending the Usefulness of Receptor Modeling by Combining Multivariate and Chemical Mass Balance Models

Author(s): MP Zelenka, WE Wilson, PJ Lioy

Annual Conference: 1993, Vol. 1B

Paper ID: 93-TP-58.02

Development of a Two-Phase Receptor Model for NMHC and PM 10 Air Pollution Sources in Chicago

Author(s): J Lin, PA Scheff, RA Wadden

Annual Conference: 1993, Vol. 1B

Paper ID: 93-TP-58.03

Receptor Modeling of Volatile Hydrocarbons Measured in the 1990 Atlanta Ozone Precursor Study

Author(s): CW Lewis, TL Conner, RK Stevens

Annual Conference: 1993, Vol. 1B

Paper ID: 93-TP-58.04

Source Apportionment of Fine and Coarse Particles in Southern Ontario, Canada

Author(s): TL Conner, JL Miller, RD Willis

Annual Conference: 1993, Vol. 1B

Paper ID: 93-TP-58.05

Receptor Modeling: Innovative Approaches to Assist in the Identification of Source/Receptor Relationships

Author(s): M Leger, TA Moore, GS Casuccio

Annual Conference: 1993, Vol. 1B

Paper ID: 93-TP-58.06

The Source Apportionment of an Urban Aerosol from Chemical Properties of Aerosol Spectra Near Atmospheric Sources

Author(s): CT Lee, WC Hsu Annual Conference: 1993, Vol. 1B

Paper ID: 93-TP-58.07

Declining Value Permit Programs: Achieving Emissions Reductions Through Airport Bubbles

Author(s): L van Ommering Annual Conference: 1993, Vol. 13

Paper ID: 93-TP-59.01

NOx Emissions Trading: Precursor to Future Growth

Author(s): AJ Colella

Annual Conference: 1993, Vol. 13

Paper ID: 93-TP-59.02

Economic Incentive Programs under Title 1 of the Clean Air

Author(s): KM Martin, HM Richmond, WS Beal

Annual Conference: 1993, Vol. 13

Paper ID: 93-TP-59.04

Role of a State ERC Account in NOx Trading Programs

Author(s): AK Sanghi, A Joseph, KS Michael

Annual Conference: 1993, Vol. 13

Paper ID: 93-TP-59.05

Developing Emission Reduction Credit Trading in Texas

Author(s): JE Dodds

Annual Conference: 1993, Vol. 13

Paper ID: 93-TP-59.06

Economic Incentives in the Clean Air Act: Some

Preliminary Results

Author(s): M Podar, MA Luttner Annual Conference: 1993, Vol. 13

Paper ID: 93-TP-59.07

ECAS and the U.S. Army's Environmental Profile

 $\hbox{Author(s): }D\ Guldenzopf$

Annual Conference: 1993, Vol. 10

Paper ID: 93-TP-60.01

Efforts to Determine Air Emissions and Compliance Status at U.S. Army Installations

Author(s): R Lanza, M Elliott Annual Conference: 1993, Vol. 10

Paper ID: 93-TP-60.02

Natural Resources Research on Earth Covered Magazines

Author(s): AJ Palazzo

Annual Conference: 1993, Vol. 10

Paper ID: 93-TP-60.03

The Naval Reserve Civil Engineer Corps Environmental Engineering Program

Author(s): W Heine, SA Vigil Annual Conference: 1993, Vol. 10

Paper ID: 93-TP-60.04

A Model for Developing Environmental Management Course Curricula

Author(s): GJ Schmidt

Annual Conference: 1993, Vol. 10

Paper ID: 93-TP-60.05

Thermal Treatment of Petroleum Hydrocarbon Soils-A Case Study

Author(s): TW Bubier, CM Bilello Annual Conference: 1993, Vol. 15

Paper ID: 93-TP-61.01

First Case Study using ASTM Underground Storage Tank Corrective Action Guidelines

Author(s): RA Kormanik

Annual Conference: 1993, Vol. 15

Paper ID: 93-TP-61.03

In Situ Manufacturing of Double Wall Tanks

Author(s): TJ Rieck

Annual Conference: 1993, Vol. 15

Paper ID: 93-TP-61.04

An Integrated Exposure/Risk-Based Corrective Action Approach for Underground Storage Tank Sites

Author(s): PC Johnson, CC Stanley Annual Conference: 1993, Vol. 15

Paper ID: 93-TP-61.05

Fast-Tract Remediation Case Study: Southern California Refined Fuel Distributor

Author(s): TW Bubier, PR Felix Annual Conference: 1993, Vol. 15

Paper ID: 93-TP-61.06

Hazardous Waste Debris: Have We Solved the Problems?

Author(s): NA Brill

Annual Conference: 1993, Vol. 16A

Paper ID: 93-TP-62.01

Adsorption Process Selection for Contaminated Groundwater Remediation

Author(s): D Zhou, MW Petroccia, PF O'Hara

Annual Conference: 1993, Vol. 16A

Paper ID: 93-TP-62.02

Fixed Bed Activated Coke Filters for the Control of Toxic Metals and Organics from Waste Incinerators The Second Generation

Author(s): HU Hartenstein

Annual Conference: 1993, Vol. 16A

Paper ID: 93-TP-63.01

Optimization Methods for Incineration Feed Blending to Ensure Compliance

Author(s): PS Farber

Annual Conference: 1993, Vol. 16A

Paper ID: 93-TP-63.02

Predictions of Arsenic and Chromium

Partitioning/Speciation During Incineration and Combustion

Author(s): RG Rizeq, DW Hansell, W Clark

Annual Conference: 1993, Vol. 16A

Paper ID: 93-TP-63.03

Air Quality Monitoring at a Superfund Site

Author(s): DA Nadzam, TL Vineyard Annual Conference: 1993, Vol. 16A

Paper ID: 93-TP-64.01

Air Toxics Modeling for Public Health Protection During Superfund Site Remediation

Author(s): DW Heinold, AD Schatz Annual Conference: 1993, Vol. 16A

Paper ID: 93-TP-64.02

Air Monitoring for Agricultural Chemicals and By-Products at Two Superfund Sites

Author(s): LE Raschke, MA Hansen Annual Conference: 1993, Vol. 16A

Paper ID: 93-TP-64.03

Compilation and Evaluation of Short-Term Air Action Levels for Superfund Sites

Author(s): KL Hueske, BM Eklund, JW Barnett

Annual Conference: 1993, Vol. 16A

Paper ID: 93-TP-64.04

Assessing Risk for Exposure to Low-Levels of Contamination-When Does Non-Detect Mean Nothing is There?

Author(s): PA Brush, S Wainwright Annual Conference: 1993, Vol. 16A

Paper ID: 93-TP-64.05

Retrospective Evaluation of a Bioremediated Aquifer Contaminated with Organic Chemcials-Part2. Model Application

Author(s): TH Illangasehare, DC Sziag, T Fairbanks

Annual Conference: 1993, Vol. 16A

Paper ID: 93-TP-65.01

Assessment of Ethylene Oxide Emissions from Hospital Sterilizers

Author(s): WE Tutt, LS Tilley Annual Conference: 1993, Vol. 16A

Paper ID: 93-TP-66.01

New Technologies for Medical Waste Incinerators Make Strict Regulations Feasible

Author(s): FL Cross, JB Hutson, JS Howell Annual Conference: 1993, Vol. 16A

Paper ID: 93-TP-66.02

Medical Waste Disposal -What's New?

Author(s): AR Borowsky, PD Fleischauer Annual Conference: 1993, Vol. 16A

Paper ID: 93-TP-66.03

Using Total Quality Tools to Reduce Waste

Author(s): FK Sheldon

Annual Conference: 1993, Vol. 16A

Paper ID: 93-TP-67.01

Minimizing Chlorinated Organic Emissions from Medical Waste Incinerators

Author(s): M Sadanandan, A Green, C Schmidt

Annual Conference: 1993, Vol. 16A

Paper ID: 93-TP-67.02

Combustion Products from Commercial Polymers

Author(s): JP Harmon

Annual Conference: 1993, Vol. 16A

Paper ID: 93-TP-67.03

The Evolution of MSW. Composition and of the Collection System: Influences on the Management of Some Incinerators in Italy

Author(s): GF Saetti, A Peroni Annual Conference: 1993, Vol. 16A

Paper ID: 93-TP-67.04

Mexico's Environmental Program

Author(s): LM Heim

Annual Conference: 1993, Vol. 9 Paper ID: 93-WA-106.01

Environmental Auditing for Continuous Improvement

Author(s): TW McDaniel, JC Shih, EM Adriente

Annual Conference: 1993, Vol. 12 Paper ID: 93-WA-167.02

Industrial Environmental Assessments

Author(s): G Woodside

Annual Conference: 1993, Vol. 12

Paper ID: 93-WA-167.03

Discovery & Disclosure How to Protect Your Environmental Audit Report

Author(s): S Mullany, MH Levin Annual Conference: 1993, Vol. 12 Paper ID: 93-WA-167.04

Liability Without End? Consultants, Contracts and the Limits of Environmental Responsibility

Author(s): AD Hymes, KL Levin Annual Conference: 1993, Vol. 12 Paper ID: 93-WA-167.05

Design and Calibration of a Multistage Cloudwater Cascade Jet Impactor Based on a Prototype Two-stage Impactor

Author(s): RJ Iovinelli, JL Collett Annual Conference: 1993, Vol. 7 Paper ID: 93-WA-172.01P

The Determination of Hazardous Air Pollutants and Ozone Precursors in Ambient Air with an Integrated GC/MS System

Author(s): NA Kirshen, EB Almasi Annual Conference: 1993, Vol. 7 Paper ID: 93-WA-172.03P

Emissions of Oxides of Nitrogen (NO and NOx) From Residential Systems

Author(s): ACS Hayden, SW Lee, L Jia Annual Conference: 1993, Vol. 7 Paper ID: 93-WA-172.04P

Measurement of Chloroform and Other TACS in the Presence of Chlorine

Author(s): S Clemenza, DPY Chang, T Kear

Annual Conference: 1993, Vol. 7 Paper ID: 93-WA-172.05P

FTIR Remote Sensing Data Reduction Technique for Elevated Temperature Gas Emissions from an Aluminum Smelting Plant

Author(s): W Phillips, RW Brandon Annual Conference: 1993, Vol. 7 Paper ID: 93-WA-172.06P

Air Toxics-Isocyanate and Diisocyanate Emission Testing and Method Evaluation from a Thermoplastic

Polyurethane Synthesis Process

Author(s): RE Kalweit

Annual Conference: 1993, Vol. 7 Paper ID: 93-WA-172.07P

Emission Testing a Batch Process Source Using Process Simulation

Author(s): RW Rakiewicz, R Frye, B Fox

Annual Conference: 1993, Vol. 7 Paper ID: 93-WA-172.08P

On the PM 10, FP and CP Concentrations at One Site of Kuala Lumpur, Malaysia

Author(s): Y Rashid

Annual Conference: 1993, Vol. 7 Paper ID: 93-WA-172.10P

Database of Hazardous Air Pollutant Emissions from Waste Wood Fired Boilers

Author(s): MI Holzman

Annual Conference: 1993, Vol. 7 Paper ID: 93-WA-172.11P

Control of Air Emissions of Dichloromethan, Trichloroethene and Toluene by Biofiltration

Author(s): SJ Ergas, ED Schroeder, DPY Chang

Annual Conference: 1993, Vol. 3B

Paper ID: 93-WA-52B.01

Oxidation Characteristics of Sulfur-Containing Gases by Pure or Mixed Cultures of Bacteria Isolated from Peat and Their Application to Removal of Exhaust Gas from a Night Soil Treatment Plant

Author(s): M Shoda

Annual Conference: 1993, Vol. 3B Paper ID: 93-WA-52B.02

Control of Organic Sulfur Compound Emissions Using Biofiltration Methyl Mercaptan

Author(s): ER Allen, S Phatak Annual Conference: 1993, Vol. 3B Paper ID: 93-WA-52B.03

Treatment of Volatile Organic Compounds in a Pilot Scale Biofilter

Author(s): RA Zurlinden, MT Turner, GW Gruwell

Annual Conference: 1993, Vol. 3B Paper ID: 93-WA-52B.04

Biological Deodorization of Odorous Air from Waste and Wastewater Treatment Plants

Author(s): FB Frechen

Annual Conference: 1993, Vol. 3B

Paper ID: 93-WA-52B.05

Laboratory Assessment of Biofiltration for Fuel-Derived VOC Emissions Control

Author(s): DA Peters, GT Hickman, JG Stefanoff

Annual Conference: 1993, Vol. 3B

Paper ID: 93-WA-52B.06

The Biological Purification of a Multi-Component Waste Gas Discharged in Artificial Glass Production

Author(s): CPM vanLith, SPP Ottenfraf, B Osinga

Annual Conference: 1993, Vol. 3B

Paper ID: 93-WA-52B.07

An Analysis of the Uncertainties in an Atmospheric Chemical Mechanism

Author(s): WR Stockwell, JB Milford, D Gao

Annual Conference: 1993, Vol. 2 Paper ID: 93-WA-68A.01

Temperature Dependence of the UV Absorption Spectra of Several Organic Nitrates

Author(s): JB Burkholder Annual Conference: 1993, Vol. 2 Paper ID: 93-WA-68A.02

A Comparison of Ambient Rox Measurements by Two Free Radical Detectors

Author(s): DH Stedman, Jia Hu Annual Conference: 1993, Vol. 2 Paper ID: 93-WA-68A.03

The Atmospheric Photochemical of Methylglyoxal

Author(s): JJ Orlando, GS Tyndall, T Staffelbach

Annual Conference: 1993, Vol. 2 Paper ID: 93-WA-68A.04

A Laboratory System for Determination of Relative Reaction Rates of Vapor Phase Semi-Volatile Organic Compounds with OH Radicals

Author(s): PN Anderson, RA Hites Annual Conference: 1993, Vol. 2 Paper ID: 93-WA-68A.05

Assessment of Planned Northeast Ozone Transport Region **Modeling Activities**

Author(s): SD Reynolds, TW Tesche, T Dye Annual Conference: 1993, Vol. 1B

Paper ID: 93-WA-69A.01

Urban Airshed Model (UAM) Simulations for the New York Airshed: An Application of the ROMUAM Interface System

Author(s): ST Rao, G Sistla, N Zhou Annual Conference: 1993, Vol. 1B Paper ID: 93-WA-69A.02

Modeling the Effects of Reformulated Gasoline Usage on Ambient Concentrations of Ozone and Five Air Toxics

Author(s): MP Ligocki, RR Schulhof, RE Jackson

Annual Conference: 1993, Vol. 1B Paper ID: 93-WA-69A.03

Photochemical Modeling of the Lake Michigan Region Using the Nested Grid Urban Airshed Model

Author(s): TC Myers, RE Morris, MA Yocke

Annual Conference: 1993, Vol. 1B Paper ID: 93-WA-69A.04

Ozone Modeling Study to Assess the Contribution of Power Plant Emissions to Ozone in the Philadelphia Nonattainment Region

Author(s): RE Morris, JE Lanfstaff, CS Burton

Annual Conference: 1993, Vol. 1B Paper ID: 93-WA-69A.05

Testing of Species Reactivities and Reactivity Adjustment Factors (RAF's) Using an Airshed Model

Author(s): LA NcNair, AG Russell, BE Croes

Annual Conference: 1993, Vol. 1B Paper ID: 93-WA-69A.06

Current National and International Noise Standards Activities

Author(s): PD Schomer

Annual Conference: 1993, Vol. 10 Paper ID: 93-WA-70A.01

Community Involvement in Noise Issues (Germany)

Author(s): GF Owens

Annual Conference: 1993, Vol. 10 Paper ID: 93-WA-70A.02

German-American Cooperation on Technology for Quieting Small Arms Ranges

Author(s): GA Lutz

Annual Conference: 1993, Vol. 10 Paper ID: 93-WA-70A.03

An Approach for Environmental Noise and Wildlife Assessment

Author(s): WA Russell, Jr Annual Conference: 1993, Vol. 10 Paper ID: 93-WA-70A.04

USAF Aircraft Noise Modeling and Noise Monitoring **Program**

Author(s): RA Lee

Annual Conference: 1993, Vol. 10 Paper ID: 93-WA-70A.05

VOCs Reported in Indoor Air Indicates Potential for Avoiding Health and Irritation Problems

Author(s): LC Holcomb

Annual Conference: 1993, Vol. 4B

Paper ID: 93-WA-71.01

Indoor Air Sampling in Houses Located Near a Contaminated Ground Water Plume

Author(s): KH Hudson, RJ Fox, RA Fish Annual Conference: 1993, Vol. 4B

Paper ID: 93-WA-71.02

Integrated Assessment of Indoor Air Quality

Author(s): JA Lanning, LG Anderson Annual Conference: 1993, Vol. 4B

Paper ID: 93-WA-71.03

The Valdez Air Health Study-Proven Approach to Community Risk Assessment of Air Toxics Emissions

Author(s): RG Tardiff, SR Baker, TB Piccin

Annual Conference: 1993, Vol. 4B

Paper ID: 93-WA-71.04

A Cost Effectiveness Evaluation of Nitrogen Oxides and Carbon Monoxide Emissions Control Options for Digester Gas-Fired Engines at a Publicly Owned Treatment Works

Author(s): JR Witherspoon, ST McPherson, MJ Wallis

Annual Conference: 1993, Vol. 5 Paper ID: 93-WA-72A.01

Use of a Fate Emissions Model to Analysis Operational Feasibility and Cost Effectiveness of Design Modifications to Reduce Toxic Air Contaminants at a Wastewater Treatment Plant

Author(s): JR Witherspoon, JL Bell, SJ Suzuki

Annual Conference: 1993, Vol. 5 Paper ID: 93-WA-72A.02

VOC Emissions from a Municipal Sewer Interceptor

Author(s): C Quigley, P Martos, RL Corsi

Annual Conference: 1993, Vol. 5 Paper ID: 93-WA-72A.03

VOC Emissions from Small Drop Structures

Author(s): RL Corsi, J Shepherd, J Kemp

Annual Conference: 1993, Vol. 5

Paper ID: 93-WA-72A.04

Air Toxics Modeling and Control at a Large Wastewater Treatment Plant

Author(s): PL Wolstenholme, RE Finger Annual Conference: 1993, Vol. 5 Paper ID: 93-WA-72A.05

Case Study of Air Emissions at Industrial Waste Treatment Facilities

Author(s): DL Mueller, P Dentler Annual Conference: 1993, Vol. 5 Paper ID: 93-WA-72A.06

Observations of VOC Emissions from POTW's near Atlanta, Georgia

 $\hbox{Author(s): JR Pearson, C Stoneking, s Smyth}$

Annual Conference: 1993, Vol. 5 Paper ID: 93-WA-72A.07

Comparative Air Quality Impacts of Solid Waste Management Options

Author(s): J Coyle, K Liang, C Konheim Annual Conference: 1993, Vol. 5

Paper ID: 93-WA-72A.08

Atmospheric Mercury Deposition Measurement Techniques-A Review

Author(s): ND Johnson

Annual Conference: 1993, Vol. 4B

Paper ID: 93-WA-73.01

Development of a Mercury Deposition Monitoring Program in Ontario

Author(s): G Mierle, M Shackleton Annual Conference: 1993, Vol. 4B

Paper ID: 93-WA-73.02

Filter Pack Collection of Particulate and Vapour Phase Arsenic at a Rural Site in Ontario

Author(s): MN Shackleton, JC Hipfner Annual Conference: 1993, Vol. 4B

Paper ID: 93-WA-73.03

Multimedia Transport and Fate of Particle Bound Chemicals

Author(s): Y Cohen, RE Clay Annual Conference: 1993, Vol. 4B

Paper ID: 93-WA-73.04

Dry Deposition Velocities: A Comparison Between Measured and Modeled Data

Author(s): JM Lin, KE Noll, TM Holsen Annual Conference: 1993, Vol. 4B

Paper ID: 93-WA-73.05

A New Method for Estimating Wet Deposition of Vapor phase Mercury Compounds from Power Plant and Incinerator Plumes

Author(s): SA Campbell, KL Zankel Annual Conference: 1993, Vol. 4B

Paper ID: 93-WA-73.06

Fort Loudoun Lake Toxics Mass Balance Study

Author(s): WJ Parkhurst, WMJ Strachan, B Barnard

Annual Conference: 1993, Vol. 4B

Paper ID: 93-WA-73.07

Issues in Interpretation of Metals Data

Author(s): SD Chapnick, KA Reynolds Annual Conference: 1993, Vol. 4B

Paper ID: 93-WA-73.08

Electric Vehicle Technology Demonstration Program at McClellan Air Force Base, California

Author(s): PH Mook

Annual Conference: 1993, Vol. 10

Paper ID: 93-WA-74A.01

Driving a CNG-Powered Sedan in California

Author(s): PL Schafer, DT Hathner Annual Conference: 1993, Vol. 10 Paper ID: 93-WA-74A.02

Ethanol, Reformulated Gasoline and the California Low Emissions Vehicle Program: Environmental and Economic Implications in Illinois

Author(s): J Wentz, WJ O'Shea Annual Conference: 1993, Vol. 10 Paper ID: 93-WA-74A.03

Alternative Fuel Vehicles for the Department of the Navy

Author(s): JC Wilson, SC Munchak, MW Smith

Annual Conference: 1993, Vol. 10 Paper ID: 93-WA-74A.04

Work-in-Progress: An Analytic Effort to Coordinate Air quality Transportation and Energy Planning in the Los Angeles Basin

Author(s): MR Jaske, CG Praul Annual Conference: 1993, Vol. 10 Paper ID: 93-WA-74A.05

PM 10 Credit for Secondary Sulfate Precursors

Author(s): JA Cooper

Annual Conference: 1993, Vol. 3B

Paper ID: 93-WA-75.01

Evaluation of Fugitive Dust Control Methods in the Coachella Valle

Author(s): D Fitz, KC Moon, M Zeldin Annual Conference: 1993, Vol. 3B

Paper ID: 93-WA-75.02

Influence of Exceptional Events on Selection of PM 10 Design Values and Their Impact on Planning

Author(s): BP Lerner, DH Gebhart Annual Conference: 1993, Vol. 3B

Paper ID: 93-WA-75.03

An Analysis of PM 10 Air Quality in California's South Coast Air basin, 1985-1992

 $\hbox{Author(s): MC Hoggan, A Davidson, SC Banayan}$

Annual Conference: 1993, Vol. 3B

Paper ID: 93-WA-75.04

Results from the 1991-92 Pilot Study of Wintertime PM 10 in the San Francisco Bay Area

Author(s): JC Chow, D Fairley, JG Watson

Annual Conference: 1993, Vol. 3B

Paper ID: 93-WA-75.05

Evaluation of RACT and RACMs for a PM 10 SIP for Puerto Rico

Author(s): GT Reed, FC Rios Annual Conference: 1993, Vol. 3B

Paper ID: 93-WA-75-06

Risk Assessment for a Proposed Regional Hazardous Waste Management Facility

Author(s): KL Brooke

Annual Conference: 1993, Vol. 11B

Paper ID: 93-WA-76.01

Multimedia Transport, Fate, Exposure and Risk Assessment: Strategies Developing Evaluation, Integrative Computer Software

Author(s): R Van de Water, Y Cohen Annual Conference: 1993, Vol. 11B

Paper ID: 93-WA-76.02

Air Quality Modeling and Its Role in the Risk Assessment at Valdez, Alaska

Author(s): PA Catizone, GF Hoffnagle, DR Murray,

Mikkelsen

Annual Conference: 1993, Vol. 11B

Paper ID: 93-WA-76.03

A Preliminary Air Quality Risk Assessment for a Groundwater Treatment Facility

Author(s): CP Hurrell, RA Zimmer Annual Conference: 1993, Vol. 11B

Paper ID: 93-WA-76.04

Comparative Analysis of Two Models to Estimate Vapor Intrusion Through a Building Foundation and Associated Cancer Risks

Author(s): KD Michelson, GL Ginsberg, WH Koch

Annual Conference: 1993, Vol. 11B

Paper ID: 93-WA-76.05

Air Pathway Assessment for Mercury in Soil in Gate Stations of a Gas Utility

Author(s): A Roffman, RP Shevill, K Macoskey

Annual Conference: 1993, Vol. 11B

Paper ID: 93-WA-76.06

Introducing Innovative Techniques for Assessing Risk While Under the Media Microscope

Author(s): KA Wurzel

Annual Conference: 1993, Vol. 11B

Paper ID: 93-WA-76.08

Confrontation Versus Consultation: Experience in Sitting a Major Landfill

Author(s): CE McIntyre, JL Joe, J O'Brien

Annual Conference: 1993, Vol. 13

Paper ID: 93-WA-77A.01

Public Trust and Confidence-Building the Context

Author(s): PJ Serie, AL Dressen Annual Conference: 1993, Vol. 13

Paper ID: 93-WA-77A.02

New York State's Radioactive Waste Siting Experience:

Environment, Engineering and Equity

Author(s): KM McMullin, SC Baranski Annual Conference: 1993, Vol. 13 Paper ID: 93-WA-77A.03

Development of a Comprehensive Ethnic Community Outreach Program

Author(s): LC Martinez

Annual Conference: 1993, Vol. 13 Paper ID: 93-WA-77A.04

Reducing Wood Burning Pollution: A Shared Value Among Diverse Partners

Author(s): HK DeGroot, KH Lloyd, JP Easton

Annual Conference: 1993, Vol. 13 Paper ID: 93-WA-77A.05

Cost fro Implementation of the BIF Rules

Author(s): RJ Schoenberger, WM Kirlin Annual Conference: 1993, Vol. 13

Paper ID: 93-WA-78A.01

Industry Approaches to Environmental Policy in the Great Lakes Region

Author(s): DR Allardice, WA Testa, RH Matton

Annual Conference: 1993, Vol. 13 Paper ID: 93-WA-78A.02

Estimated Expenditures by Petroleum Refineries to Meet New Regulatory Initiatives for Air Quality

Author(s): JD Hill, p Brush, TR Richart Annual Conference: 1993, Vol. 13 Paper ID: 93-WA-78A.03

U.S. Refinery Compliance Costs-The Elements of an Estimate

Author(s): JG Musgrove, EJ Swain Annual Conference: 1993, Vol. 13 Paper ID: 93-WA-78A.04

Ohio's Issue 5: The Economic Impacts of Complying

Author(s): WE Balson, AE Smith Annual Conference: 1993, Vol. 13 Paper ID: 93-WA-78A.05

Performance Model of the Fluidized Bed Cooper Oxide Process for SO/NOx Control

Author(s): HC Frey

Annual Conference: 1993, Vol. 3B

Paper ID: 93-WA-79.01

Certification of a Productive Emission Monitoring System (PEMS) at a Compression Station in Colorado

Author(s): WSY Hung, C Revelt Annual Conference: 1993, Vol. 3B

Paper ID: 93-WA-79.02

SCE's Program for Industrial NOx Emissions Reduction

Author(s): RF Cascone, A Saoud Annual Conference: 1993, Vol. 3B

Paper ID: 93-WA-79.03

Use of Inexpensive Technologies for NOx Reduction in Industrial and Utility Boilers

Author(s): J Colanniono

Annual Conference: 1993, Vol. 3B

Paper ID: 93-WA-79.04

Bioindicator Plants for Assessment of Air Quality General Considerations and Plant Responses to Ambient Ozone

Author(s): WJ Manning

Annual Conference: 1993, Vol. 11B

Paper ID: 93-WA-80.01

Mikeseed (Asciepias Syriaca L.) Injury and Ozone Dose Relationships in Wisconsin

Author(s): JP Bennett, EA Jepsen Annual Conference: 1993, Vol. 11B

Paper ID: 93-WA-80.02

Biomonitoring Forest Health in Lodgepole Pine of West Central Alberta

Author(s): DG Maynard, JJ Stadt, KI Mallett

Annual Conference: 1993, Vol. 11B

Paper ID: 93-WA-80.03

Ozone in the Fraser Valley of British Columbia: Agricultural and Ecological Implications

Author(s): VC Runeckles, P Bowen Annual Conference: 1993, Vol. 11B

Paper ID: 93-WA-80.04

The Bench Scale Testing of a Process to Recover Synthetic Flake Graphite and Iron Oxide from Kish

Author(s): RR Landreth, NE Krygier, WM Kenan

Annual Conference: 1993, Vol. 14

Paper ID: 93-WA-81.01

Treatment of Waste Oil Emulsions from Steel Mill Cold Rolling Operations Using a Mechanical Vapour Recompression Evaporator

Author(s): KA Rynn

Annual Conference: 1993, Vol. 14

Paper ID: 93-WA-81.02

CO, VOC and NOx Factors for Electric Arc Furnaces

Author(s): RR Geddis, RV Chalfant, WA Langel

Annual Conference: 1993, Vol. 14

Paper ID: 93-WA-81.03

Recycling of Electric Arc Furnace Dust in the Steel Industry

Author(s): K Futonick

Annual Conference: 1993, Vol. 14

Paper ID: 93-WA-81.04

The Steel Industry and the Implementation of the Clean Air Act

Author(s): BA Steiner

Annual Conference: 1993, Vol. 14

Paper ID: 93-WA-81.05

Environmental Compliance Programs Utilized at Federal Facilities

Author(s): DK Mann

Annual Conference: 1993, Vol. 10 Paper ID: 93-WA-83A.01

Air Force Solid Waste Management Program

Author(s): GL Jacks

Annual Conference: 1993, Vol. 10 Paper ID: 93-WA-83A.02

Issues Involved in Solid Waste Management Plan Development at the Facility Level

Author(s): JR Harlowe

Annual Conference: 1993, Vol. 10 Paper ID: 93-WA-83A.03

Environmental Operations and Compliance with the New Firefighter Trainer at Naval Station Treasure Island, CA

Author(s): P Kannapel, B Bogue Annual Conference: 1993, Vol. 10 Paper ID: 93-WA-83A.04

Promoting Compliance at DOE: Tiger Team Assessments and Environmental Audits

Author(s): RS Green, VI Crawford Annual Conference: 1993, Vol. 10 Paper ID: 93-WA-83A.05

Tinker Air Force Base: An Environmental Model for Federal Facilities

Author(s): G Hart, B Collard Annual Conference: 1993, Vol. 10 Paper ID: 93-WA-83A.06

Specialty Certification in Engineering and Technology

Author(s): WC Anderson Annual Conference: 1993, Vol. 13 Paper ID: 93-WA-84.01

Environmental Engineering Technology Transfer and Certification

Author(s): HM Liljestrand, ML Sattler Annual Conference: 1993, Vol. 13 Paper ID: 93-WA-84.02

Certification of Environmental Professionals

Author(s): RN Hazelwood Annual Conference: 1993, Vol. 13 Paper ID: 93-WA-84.03

The TERRA Laboratory: An Interagency Decision Support Environment

Author(s): BG Farber, DG Fox, DG Decoursey

Annual Conference: 1993, Vol. 9 Paper ID: 93-WA-85.01

Possible Trigger of Climatic Warming on Onset and Development of Yellow-Cedar Decline in Southeast Alaska

Author(s): PE Hennon, CG Shaw Annual Conference: 1993, Vol. 9 Paper ID: 93-WA-85.02

UV-B and Column Ozone: Trends and Issues

Author(s): EP Olaguer Annual Conference: 1993, Vol. 9 Paper ID: 93-WA-85.03

Pollution Prevention at Baxter Healthcare Corporation

Author(s): RM Currie, P Bartholomew Annual Conference: 1993, Vol. 14 Paper ID: 93-WA-87.01

Evaluation of Sealing Capability of Various Gaskets on Low Pressure Tank Cars

Author(s): GN VanderWerff, RJ Blockinger, GE Colalillo

Annual Conference: 1993, Vol. 14

Paper ID: 93-WA-87.02

Toxic Ranking and Toxic Use Reduction Alternative Development at a Federal Facility

Author(s): TC Gerstle, FD Hall Annual Conference: 1993, Vol. 14

Paper ID: 93-WA-87.03

Air Emission Reductions through Process Modification and Innovative Technology

Author(s): KJ Miller

Annual Conference: 1993, Vol. 14

Paper ID: 93-WA-87.04

Pollution Prevention Preferred? Conflicting Signals to the Industrial Community

Author(s): LD Duke

Annual Conference: 1993, Vol. 14

Paper ID: 93-WA-87.05

Removal of Heavy Metals from Wastewater Streams by Electric Gradient

Author(s): EM Khan, LI Khan Annual Conference: 1993, Vol. 14

Paper ID: 93-WA-87.06

Pollution Prevention at Small Manufacturing Plants

Author(s): HW Edwards, MF Kostrzewa Annual Conference: 1993, Vol. 14

Paper ID: 93-WA-87.07

Nondestructive Remote Sensing of Hazardous Waste Sites

 $\hbox{Author(s): GJ Weil, RJ Graf, LM Forister}\\$

Annual Conference: 1993, Vol. 15 Paper ID: 93-WA-88A.01

Implementation of a Stabilization Strategy at a Wood Preserving Site

Author(s): K Piontek, R Marotte, G Honeyman

Annual Conference: 1993, Vol. 15 Paper ID: 93-WA-88A.02

Expedited Site Closure Assessment: Implementing a Field Measurements Approach

Author(s): NT Thompson Annual Conference: 1993, Vol. 15 Paper ID: 93-WA-88A.03

A Geostatical based Cost Control Approach for Hazardous Waste Characterization and Remediation

Author(s): MR Wild, WL Hall, S Rouhani

Annual Conference: 1993, Vol. 15 Paper ID: 93-WA-88A.04

A Dynamic Methodology for Estimating Cleanup Efforts for Mercury in Soil at Gas Utility Gate Stations

Author(s): A Raoffman, EJ Verbanic, RP Shervill

Annual Conference: 1993, Vol. 15 Paper ID: 93-WA-88A.05

Calculation of the Hazardous Screening Index to Prioritize Operable Units For Remediation at a Superfund Site

Author(s): JM Liedle, AF Temeshy Annual Conference: 1993, Vol. 15 Paper ID: 93-WA-88A.06

Enhanced Microbial Degradation in the Rhizosphere of Plants from Contaminated Sites

Author(s): T Abderson, e Kruger, JR Coats Annual Conference: 1993, Vol. 16A

Paper ID: 93-WA-89.01

Rate Limited Degradation of Hazardous Organic Contaminates in the Root Zone of a Soil

Author(s): JC Tracey, LE Erickson, LC Davis

Annual Conference: 1993, Vol. 16A

Paper ID: 93-WA-89.02

The Role of Macrophytes and Algae in the Removal of Metal Contaminants in Wetland Processes

Author(s): TR Wildeman, JC Emerick, LA Duggan

Annual Conference: 1993, Vol. 16A

Paper ID: 93-WA-89.03

In Situ Stimulation vs. Bioaugmentation: Can Plant Inoculation Enhance Biodegradation of Organic Compounds?

Author(s): MT Kingsley, FB Metting, J Fredrickson

Annual Conference: 1993, Vol. 16A

Paper ID: 93-WA-89.04

Microbial Degradation of Hazardous Organics in the

Rhizosphere: A Review

Author(s): MK Banks, AP Schwab Annual Conference: 1993, Vol. 16A

Paper ID: 93-WA-89.05

The Impacts of Vegetation on the Leaching of Heavy Metals from Mine Tailings: Solubilization of Zinc by Organic Acids

Author(s): AP Schwab, MK Banks Annual Conference: 1993, Vol. 16A

Paper ID: 93-WA-89.06

Ecolotree Cap: Densely Rooted Trees for Water Management on Landfill Covers

Author(s): LA Licht

Annual Conference: 1993, Vol. 16A

Paper ID: 93-WA-89.07

The National Materials Exchange Network for Industrial Recycling

Author(s): RW Smee

Annual Conference: 1993, Vol. 16B

Paper ID: 93-WA-90.01

The History and Utility of Waste Characterization Studies

Author(s): GM Savage

Annual Conference: 1993, Vol. 16B

Paper ID: 93-WA-90.02

How and Why to Recycle Steel Aerosol Cans

Author(s): GL Crawford

Annual Conference: 1993, Vol. 16B

Paper ID: 93-WA-90.03

Waste Composition-Essential Information for Integrated Solid Waste Management

Author(s): JA Caldwell, DG Sobers Annual Conference: 1993, Vol. 16B

Paper ID: 93-WA-90.04

Metal Equilibrium in Dust from Cement Kilns

Author(s): RJ Schoenberger, WM Kirlin Annual Conference: 1993, Vol. 16B

Paper ID: 93-WA-91A.01

The Cement Kiln Option: Ash Grove's Experience During BIF COC Test Burns

 $\hbox{Author(s):}\ MJ\ Abbruzzese$

Annual Conference: 1993, Vol. 16B

Paper ID: 93-WA-91A.02

Methods for Selection and Input of Specified Concentrations of Chemical Compounds in Cement Kiln Hazardous Waste Fuels (Certification Testing Spike Selection and Input Procedures)

Author(s): WT Dugan, MJ Harrell, RJ Patachak

Annual Conference: 1993, Vol. 16B

Paper ID: 93-WA-91A.04

Regulatory Aspects of Trials Burn Plan Development for Boilers and Industrials Furnaces

Author(s): SF Schrader

Annual Conference: 1993, Vol. 16B

Paper ID: 93-WA-91A.05

Metal Spike Methods for Incinerator Trial Burns and BIF Compliance Tests

Author(s): B Schofield, L Weitzman, A George

Annual Conference: 1993, Vol. 16B

Paper ID: 93-WA-91A.06

Selecting Statistically Meaningful Emission Rates

Author(s): Hg Rigo

Annual Conference: 1993, Vol. 7 Paper ID: 93-WP-100.02

Estimates of Air Pollutant Emissions in the Taiwan Area

Author(s): KT Liu, P Chang, TH Lin Annual Conference: 1993, Vol. 7 Paper ID: 93-WP-100.03

A Receptor Modeling Approach to VOC Emission Inventory Validation in Five U.S. Cities

Author(s): DM Kenski, RA Wadden, PA Scheff

Annual Conference: 1993, Vol. 7 Paper ID: 93-WP-100.04

Reconciliation of Emission Inventory and Ambient Data in the Lake Michigan Air Quality Region

Author(s): PT Roberts, ME Korc, HH Main

Annual Conference: 1993, Vol. 7 Paper ID: 93-WP-100.05

Reconciliation of Emissions Inventory and Ambient Data in the San Joaquin Valley and the San Francisco Bay Area

Author(s): KL Magliano, FW Lurmann, JG Watson

Annual Conference: 1993, Vol. 7 Paper ID: 93-WP-100.08

Development of a Monitoring Strategy for Ozone Precursors

Author(s): PJ Galvin, GA Boynton, RS Taylor

Annual Conference: 1993, Vol. 2 Paper ID: 93-WP-101.01

Development of a Regional Strategy for Enhanced Ozone Monitoring for the Lower Lake Michigan Regional Strategy for Enhanced Ozone Monitoring for the Lower Lake Michigan Region

Author(s): JD Chazin, MK Allen, WJ Adamski

Annual Conference: 1993, Vol. 2 Paper ID: 93-WP-101.02

Preliminary Report on Establishing a Prototype PAMS Site in the Urban Northeast

Author(s): AR Leston, S Bailey Annual Conference: 1993, Vol. 2 Paper ID: 93-WP-101.04

Alternative Approaches to Enhanced Ozone Monitoring

Author(s): M Hossain, J Erwin Annual Conference: 1993, Vol. 2 Paper ID: 93-WP-101.05

Open Path FTIR Measurement of Spatial Distributions of Chemical Emissions at Treatment, Storage, Disposal Facilities

Author(s): RH Kagann, J Jolley, D Shoop

Annual Conference: 1993, Vol. 7 Paper ID: 93-WP-102.01

FTIR Remote Sensing Applications at Municipal Wastewater Treatment Plants

Author(s): CL McCauley, RH Kagann, T Munchmeyer

Annual Conference: 1993, Vol. 7 Paper ID: 93-WP-102.02

Air Pathway Analysis Using Open-Path FTIR Spectroscopy at a Repository for the Disposal of Salt Cake Fines

Author(s): RL Scotto, GL Gray, PJ Solinski

Annual Conference: 1993, Vol. 7 Paper ID: 93-WP-102.03

A Cost-Effectiveness Study of Carbon Monoxide Emissions Reduction

Author(s): GA Bishop, DH Stedman, JE Peterson

Annual Conference: 1993, Vol. 7 Paper ID: 93-WP-102.04

On-Road Hydrocarbon Remote Sensing

Author(s): DH Stedman, Y Zhany, GA Bishop

Annual Conference: 1993, Vol. 7 Paper ID: 93-WP-102.05

Determination of Factors for Placement of Open-Path Optical Monitoring Systems for Toxic Air Pollutants

Author(s): WA Ivancic, PR Sticksel Annual Conference: 1993, Vol. 7

Paper ID: 93-WP-102.06

Estimation of VOC Emission Rates, Using Path-Integrated Concentrations and Meteorological Data

Author(s): RE Carter, DD Lane, GA Marotz

Annual Conference: 1993, Vol. 7 Paper ID: 93-WP-102.08

Using A Project Evaluation Matrix in Ranking Environmental Projects

Author(s): PA Harderer, TS Laudicina Annual Conference: 1993, Vol. 13

Paper ID: 93-WP-103.01

Implementing Total Quality Management at the Texas Air Control Board

Author(s): DR Pendleton, JG Lane Annual Conference: 1993, Vol. 13 Paper ID: 93-WP-103.03

European Approaches to Environmental Management Systems

Author(s): JC Fisher

Annual Conference: 1993, Vol. 13 Paper ID: 93-WP-103.04

The Bottom Line- A Compliance Strategy That Works

Author(s): KS Miller, GL Johnson Annual Conference: 1993, Vol. 13 Paper ID: 93-WP-103.05

Use and Misuse of Total Quality Management: Discerning the Difference

Author(s): PJ Marsosudiro Annual Conference: 1993, Vol. 13 Paper ID: 93-WP-103.06

Application of Total Quality Management (TQM) Principles to Pollution Prevention Programs

Author(s): PS Kodukula

Annual Conference: 1993, Vol. 13

Paper ID: 93-WP-103.07

Development of Company Wide Environmental Awareness Training Program

Author(s): LM Nelson

Annual Conference: 1993, Vol. 13

Paper ID: 93-WP-103.08

The Present Effect of global Warming on U.S. Industry

Author(s): WB Bendel

Annual Conference: 1993, Vol. 7

Paper ID: 93-WP-104.01

Overview of Options for Cost-Effectively Reducing Methane Emission into the Atmosphere

Author(s): KB Hogan, C Jacobs Annual Conference: 1993, Vol. 7 Paper ID: 93-WP-104.02

Methane Emissions from the Natural Gas Industry

Author(s): MR Harrison, RM Cowgill, LM Campbell

Annual Conference: 1993, Vol. 7 Paper ID: 93-WP-104.03

An Assessment of the Impacts of Global Climate and Emissions Change on Regional-Scale Tropospheric Chemistry

Author(s): K John, KC Crist, GR Carmichael

Annual Conference: 1993, Vol. 7 Paper ID: 93-WP-104.04

Soil Oxidation of Methane Influenced by Natural Gas Leaks

Author(s): RD Kashinkunti, HH Westberg, BK Lamb

Annual Conference: 1993, Vol. 7 Paper ID: 93-WP-104.05

Application of Mass and Energy Balance Calculations to Verify Incinerator Performance Data

Author(s): SM Allen, J Pinion Annual Conference: 1993, Vol. 16B

Paper ID: 93-WP-105.01

Hazardous Waste Incineration Air Toxics Emissions & Controls

Author(s): JR Donnelly, WA Brown Annual Conference: 1993, Vol. 16B

Paper ID: 93-WP-105.02

Facts or Myths-The Burning Issue of Incineration

Author(s): JJ Santoleri, JD Lauber, L Theodore

Annual Conference: 1993, Vol. 16B

Paper ID: 93-WP-105.03

Air Pollution Control System Upgrade for a Waste Propellant Incinerator

Author(s): MR Guest, RJ McCormick, Msullivan

Annual Conference: 1993, Vol. 10

Paper ID: 93-WP-107.01

RCRA Trial Burn Testing of Upgraded Waste Propellant Incinerators at the Radford Army Ammunition Plant

Author(s): DS Scher, L Moreland, MJ Sullivan

Annual Conference: 1993, Vol. 10

Paper ID: 93-WP-107.02

Pollution Prevention and Environmental Stewardship in the United States Army

Author(s): R Scola, GO Kosteck Annual Conference: 1993, Vol. 10 Paper ID: 93-WP-107.04

Biological Denitrification of Causticized Stripping Column Bottoms By-Product

Author(s): CS Applegate, RE Goldberg, JE Felty

Annual Conference: 1993, Vol. 10

Paper ID: 93-WP-107.05

Elimination of Lead-Based Compounds in Minimum Smoke Solid Propellants Progress Summary

Author(s): JB Neidert, WH Graham Annual Conference: 1993, Vol. 10 Paper ID: 93-WP-107.06

Advanced Oxidation Process Destruction of Explosives in Waters

Author(s): WS Himebaugh Annual Conference: 1993, Vol. 10

Paper ID: 93-WP-107.07

Supercritical Water Oxidation of Chemical Agents, Solid Propellants and Other DoD Hazardous Wastes

Author(s): DA Hazelbeck, KW Downey, DD Jensen

Annual Conference: 1993, Vol. 10

Paper ID: 93-WP-107.08

Simple Conversion of heavy Metal Waste into Non-Leachable Waste

Author(s): JW Blanks, D Cropek Annual Conference: 1993, Vol. 10

Paper ID: 93-WP-107.09

Evaluation of Plasma Arc Pyrolysis for the Destruction of Hazardous Military Wastes

Author(s): DJ Freeman, HH Zaghloul Annual Conference: 1993, Vol. 10 Paper ID: 93-WP-107.10

Risk Management Considerations for Controlling Acid Mine Drainage

Author(s): WE Cobb, JD Mavis, RF Coon Annual Conference: 1993, Vol. 15

Paper ID: 93-WP-108.02

Keystone Mine Dam Reclamation

Author(s): AH Gipson, Jr. Annual Conference: 1993, Vol. 15 Paper ID: 93-WP-108.03

Mercury Control in Canada

Author(s): T Guest

Annual Conference: 1993, Vol. 16B

Paper ID: 93-WP-109.01

Air Pollution Control Considerations for Existing Municipal Waste Combustors: Meeting the Regulatory Requirements of the 90s

Author(s): EC Couppis, MA Young Annual Conference: 1993, Vol. 16B

Paper ID: 93-WP-109.02

MSW Incinerator Air Pollution Control Device Retrofit Experience at the Pittsfield Recovery Facility

Author(s): C Lodi, LE Clark Annual Conference: 1993, Vol. 16B

Paper ID: 93-WP-109.03

Need for Retrofitting Existing MWCs to Reduce Mercury Emissions Burden to the Environment

Author(s): RA Rothstein, BS Clemence, PJ Stoller

Annual Conference: 1993, Vol. 16B

Paper ID: 93-WP-109.04

A Summary of the Meteorology Preprocessor Programs to the Urban Airshed Model for a Dallas Ozone Nonattainment Day

Author(s): RF Riggio, TJ Larkin Annual Conference: 1993, Vol. 1B Paper ID: 93-WP-176.02P

Comparison of ISCST and ISCST2 Models in PSD Case Study

Author(s): D Liu

Annual Conference: 1993, Vol. 1B Paper ID: 93-WP-176.03P

A Computer Program Used in PM 10 Sampling from Stationary Sources

Author(s): Dejang Liu, Diamond Liu Annual Conference: 1993, Vol. 1B Paper ID: 93-WP-176.04P

Comparability of Various Stability Classification Schemes: A Unique Situation at a Lake Shore Site

Author(s): CD Bedford, R Caiazza, T Galletta

Annual Conference: 1993, Vol. 1B Paper ID: 93-WP-176.05P

Implementation of Air Dispersion Modeling System on a Local Area Network

Author(s): DR Bass, JE Russell Annual Conference: 1993, Vol. 1B Paper ID: 93-WP-176.06P

A Comparison with Observations of Modeled Dry Deposition Velocity Over a Wet Canopy

Author(s): J Padro

Annual Conference: 1993, Vol. 1B Paper ID: 93-WP-176.07P

Remote, Streamlined, Near Real-Time Dispersion Modeling Reasonably and Effectively Supports Remediation Activities

Author(s): JL Pickett, CL Clay, D Bott Annual Conference: 1993, Vol. 1B Paper ID: 93-WP-176.08P

Relative Impacts of Stationary and Mobile Source Emissions on Ambient Air Quality of Volatile Organic Compounds

Author(s): JD Wrobel, C Seigneur Annual Conference: 1993, Vol. 1B Paper ID: 93-WP-176.09P

Acid Rain and Materials Damage: What pH to Pick?

Author(s): GJ Stensland, VC Bowersox, N Song

Annual Conference: 1993, Vol. 1B Paper ID: 93-WP-176.10P

An Interactive Model which Calculates and Displays Cavity Dimensions for an Industrial Source Complex for Every 10 degree Wind Sector

 $\hbox{Author(s): M Barrett}$

Annual Conference: 1993, Vol. 1B Paper ID: 93-WP-176.11P

Measurement of Low Particle Concentrations with Stray Light Instruments

Author(s): P Martin

Annual Conference: 1993, Vol. 1B Paper ID: 93-WP-176.12P

Experiment a Evaluation of a Biofiltration Unit for Removal of Acetone

Author(s): S Dharmavaram, j Casey, T Timmrmans

Annual Conference: 1993, Vol. 3B

Paper ID: 93-WP-52C.01

Design Construction and Operation of Biofilters for Controlling Odors at Composting Facilities

Author(s): GA Kuter, JE Harper, LM Naylor

Annual Conference: 1993, Vol. 3B

Paper ID: 93-WP-52C.02

Field-Pilot Study of Styrene Biodegradation Using Biofiltration

Author(s): AP Togna, S Frisch Annual Conference: 1993, Vol. 3B Paper ID: 93-WP-52C.03

Biofilter Demonstration Projects for the Control of Ethanol Emissions

Author(s): G Leson, D Hodge, F Tabatabai

Annual Conference: 1993, Vol. 3B

Paper ID: 93-WP-52C.04

The Control of Odors and VOCs from Flavor Manufacturing Facilities by State-of-the-Art Commercial

Biofilter

Author(s): RW Ziminski, G Ferrara Annual Conference: 1993, Vol. 3B

Paper ID: 93-WP-52C.05

Urban Visibility Assessing the Role of Secondary Aerosols Using DAQMS

Author(s): PA Middleton, D Hopkins, H Lansford

Annual Conference: 1993, Vol. 2 Paper ID: 93-WP-68B.01

Ozone Precursor Relationships: A Modeling Study of Semi-Empirical Relationships

Author(s): TY Chang, SJ Ruby Annual Conference: 1993, Vol. 2 Paper ID: 93-WP-68B.02

A Particle Grid Air Quality Modeling Approach Coupling with Chemistry

Author(s): DP Chock, SL Winkler Annual Conference: 1993, Vol. 2 Paper ID: 93-WP-68B.03

Application of Sensitivity and Uncertainty Analysis to the RADM2 Mechanism

Author(s): D Gao, JB Milford Annual Conference: 1993, Vol. 2 Paper ID: 93-WP-68B.04

The Influence of Heterogeneous Atmospheric Chemical Reactions on the Formation of Ozone in Polluted Air

Author(s): CJ Walcek, HH Yuan, WR Stockwell

Annual Conference: 1993, Vol. 2 Paper ID: 93-WP-68B.05

Simulated Ozone Over Lake Michigan and the Northeast Corridor: Identifying the Differences Between Hydrocarbon-Limited and NOx-Limited Regions

Author(s): S Sillman, P Samson Annual Conference: 1993, Vol. 2 Paper ID: 93-WP-68B.06

Wind Field and Photochemical Modeling in the Santa Barbara Channel

Author(s): KT Tran, TM Murphy Annual Conference: 1993, Vol. 1B Paper ID: 93-WP-69B.01

Error Analysis of CALGRID and Application to Southern California Air Quality Study using the CBIV Mechanism

Author(s): N Kumar, MT Odman, AG Russell

Annual Conference: 1993, Vol. 1B Paper ID: 93-WP-69B.02

Evaluation Procedures for Regional Emission, Meteorological and Photochemical Models

Author(s): TW Tesche

Annual Conference: 1993, Vol. 1B

Paper ID: 93-WP-69B.03

Evaluation of the UAM-IV and Calgrid-IV Photochemical Models with Two Santa Barbara/Ventura Ozone Episodes

Author(s): D McNally, TW Tesche Annual Conference: 1993, Vol. 1B Paper ID: 93-WP-69B.04

Comparison of 3-D Air Quality Data with Model Simulation Results for the South Coast Air Basin

Author(s): PT Roberts, JJ Main, ME Lorc Annual Conference: 1993, Vol. 1B

Paper ID: 93-WP-69B.05

The Use of GIS Technology as an Integral Tool in Highway Traffic Noise Modeling

Author(s): H Takeshita

Annual Conference: 1993, Vol. 10

Paper ID: 93-WP-70B.01

Noise Degradation Impacts from Drainage Holes in Soundwalls-The Texas Experience

Author(s): WC Young

Annual Conference: 1993, Vol. 10

Paper ID: 93-WP-70B.02

Avoiding Nose Problems from Stationary Facilities

Author(s): MA Staiano

Annual Conference: 1993, Vol. 10 Paper ID: 93-WP-70B.03

The Effects of Speed on Sound Frequency Spectra from Highway Vehicles

Author(s): TWA Ogle, RL Wayson Annual Conference: 1993, Vol. 10 Paper ID: 93-WP-70B.04

Elevated Commuter Rail Noise Assessment to Determine Structural Attenuation and Building Setback

Author(s): DR Draper, MJ Minnicino Annual Conference: 1993, Vol. 10 Paper ID: 93-WP-70B.05

Critical Issues in a Noise Study for a Controversial Public Project

Author(s): MC Wallace, CS Hibbard Annual Conference: 1993, Vol. 10 Paper ID: 93-WP-70B.06

Assessing Noise Without Standards

Author(s): PG Diosey

Annual Conference: 1993, Vol. 10 Paper ID: 93-WP-70B.07

Development of an Army Environmental Noise Management Training Program

Author(s): CM Dunning, JE Singley Annual Conference: 1993, Vol. 10 Paper ID: 93-WP-70B.08

Characterization of Sewage Sludge Incineration Flue Gases

Author(s): D Zhou, MW Petroccia Annual Conference: 1993, Vol. 5 Paper ID: 93-WP-72B.01

PART I: Salt Effects Computed for Henry's Law Solubility For Certain VOCs, From Methane to Naphthalene

Author(s): CN Click

 $\begin{array}{l} \mbox{Annual Conference: } 1993, \mbox{Vol. 5} \\ \mbox{Paper ID: } 93\mbox{-WP-}72B.02 \end{array}$

PART II: Salt Effects Computed for Henry's Law Solubility Constants for Certain VOCs From Pentane to Naphthalene

Author(s): CN Click

Annual Conference: 1993, Vol. 5 Paper ID: 93-WP-72B.03

Study of Yoxic Metal Emissions from Sewage Treatment

Author(s): MM Regan, LYC Leong, V Kogan

Annual Conference: 1993, Vol. 5 Paper ID: 93-WP-72B.04

Air Quality Compliance at a Wastewater Sludge Incinerator **Facility**

Author(s): GP Van Durme, JC Murdock, GR Talmage

Annual Conference: 1993, Vol. 5 Paper ID: 93-WP-72B.05

Effects of Recent Air Toxics Regulations on Municipal Sewage Sludge Incinerators

Author(s): MB Foisy, M Karell Annual Conference: 1993, Vol. 5 Paper ID: 93-WP-72B.06

Measurement of Instantaneous Odor Concentrations at a Wastewater Treatment Plant Using Wind Tunnel and Atmospheric Tracer Techniques

Author(s): WG Hoydysh, O Holynskyj, R Porter

Annual Conference: 1993, Vol. 5 Paper ID: 93-WP-72B.07

Perspectives on Compliance with Employer Trip Reduction

Programs: The Regulation XV Experience

Author(s): C Nelson, B Collins Annual Conference: 1993, Vol. 10 Paper ID: 93-WP-74B.01

Wind Tunnel Modeling of intersection Air Quality:

Comparison with Mathematical Models Author(s): WG Hoydysh, F Yang, WF Dabberdt

Annual Conference: 1993, Vol. 10

Paper ID: 93-WP-74B.02

A Cost Analysis of Colorado's 1992-92 Oxygenated Fuels Program

Author(s): LA Manderion, SL Bowles Annual Conference: 1993, Vol. 10 Paper ID: 93-WP-74B.03

Simple Methodologies for Quantifying VT and VMT Reductions from Transportation Control and Growth Management Measures Developing Local Trip Reduction **Ordinances**

Author(s): VA Evans, DD Morrow Annual Conference: 1993, Vol. 10

Paper ID: 93-WP-74B.04

A Survey of Trip Reduction Ordinances and Transportation Control Measures in California Air District

Author(s): VA Evans, RC Jones Annual Conference: 1993, Vol. 10 Paper ID: 93-WP-74B.05

Oregon PM10 Control Strategies: Building Trust and Sharing the Pain

Author(s): ML Hough, CL Collier, GK Stevens

Annual Conference: 1993, Vol. 13

Paper ID: 93-WP-77B.02

Mom Can We Go for a Picnic at the Wastewater Treatment Plant?

Author(s): RJ Pope, A Lopez Annual Conference: 1993, Vol. 13 Paper ID: 93-WP-77B.03

Public Perception Factors Involved in Selecting and Managing Treatment Technologies

Author(s): RL Cook

Annual Conference: 1993, Vol. 13 Paper ID: 93-WP-77B.05

Environmental Regulation in an Industry with Price and **Entry Regulation**

Author(s): C Cale, JT Tschirhart Annual Conference: 1993, Vol. 13 Paper ID: 93-WP-78B.02

The Appropriate Time Preference (Discount Factor) Addressing Environmental Effects

Author(s): DA Hanson

Annual Conference: 1993, Vol. 13

Paper ID: 93-WP-78B.03

An Approach to Evaluating the Economic Impact of **Emissions Trading**

Author(s): S Lieu, SL Johnson, S Dabririan

Annual Conference: 1993, Vol. 13

Paper ID: 93-WP-78B.04

Evaluating Environmental Cost: Accounting for Uncertainties

Author(s): GS Koch, PR Ammann Annual Conference: 1993, Vol. 13

Paper ID: 93-WP-78B.05

Air Quality Permitting Issues Facing Ship Drydock and Repair Facilities and Their Solutions

Author(s): WT Stark, JE Corcoran Annual Conference: 1993, Vol. 10 Paper ID: 93-WP-83B.01

Clean Air Act Planning for Naval Activities

Author(s): M Stunder, S Mitro Annual Conference: 1993, Vol. 10 Paper ID: 93-WP-83B.02

Impact and Compliance Study for Federal, State and Local Air Quality Regulations at Various Air Force Facilities

Author(s): KH Huston, RJ Fox, P Kannapel

Annual Conference: 1993, Vol. 10 Paper ID: 93-WP-83B.03

Assessment of Oklahoma City Air Logistics Center Processes for Reduction of Chemical Wastes

Author(s): DF Poeth, MA Paisley, SC Schmitt

Annual Conference: 1993, Vol. 10

Paper ID: 93-WP-83B.05

TVA's Approach to Implementing the Requirements of 40 CFR Part 75

Author(s): AM Manaker, RH Riggs, SW Coffman

Annual Conference: 1993, Vol. 10 Paper ID: 93-WP-83B.06

The Real Cost of Using Hazardous Materials

Author(s): BS West, JA Long, EW King Annual Conference: 1993, Vol. 10

Paper ID: 93-WP-83B.07

Scavengers: Solid Waste Heroes or Solid Waste Management Foes (Jakarta, Indonesia)?

Author(s): SP Less

Annual Conference: 1993, Vol. 9

Paper ID: 93-WP-86.01

Innovative Cap and Cover Design for a Superfund Site Closure and a Structural Fill Site Closure

Author(s): DW Okom

Annual Conference: 1993, Vol. 15

Paper ID: 93-WP-88B.01

The "Ten Commandments" for Cutting Site Remediation Costs

Author(s): WA Duvel, Jr.

Annual Conference: 1993, Vol. 15

Paper ID: 93-WP-88B.02

Design Considerations for Linking Plant Cooling Water to On-Site Remedial Activities

Author(s): M Traister, JH Boneberg Annual Conference: 1993, Vol. 15

Paper ID: 93-WP-88B.05

Treatment of Hydrocarbon and Lead Contamination By Soil Washing at a Pipe Inspection Facility in Prudhoe Bay, Alaska

Author(s): TM Murphy, RB Ballard, BJ Losack

Annual Conference: 1993, Vol. 15

Paper ID: 93-WP-88B.06

Incineration of Spent Photofinishing Effluent in a Turbulent Plug Flow Reactor

Author(s): KW Ragland, RG Zoran Annual Conference: 1993, Vol. 16B

Paper ID: 93-WP-91B.01

Addressing the Frequency of Emergency Bypass Stack Openings and Automatic Waste Feed Cut-Offs at Hazardous Waste Incinerators

Author(s): C Daly

Annual Conference: 1993, Vol. 16B

Paper ID: 93-WP-91B.02

Plasma-Chemical Waste Treatment of Acid Gases

Author(s): JB Harkness, RD Doctor, EJ Daniels

Annual Conference: 1993, Vol. 16B

Paper ID: 93-WP-91B.04

The Lake Michigan Ozone Study-Project Status Report 1993

Author(s): M Koerber

Annual Conference: 1993, Vol. 1B

Paper ID: 93-WP-92A.01

Overview and Status of the SARMAP Modeling System

Author(s): AJ Ranzieri, R Thuillier Annual Conference: 1993, Vol. 1B

Paper ID: 93-WP-92A.02

Assessment of Photochemical Reactivity of the Atmosphere in Former East Germany: The SANA Project

Author(s): W Seiler, E Schaller Annual Conference: 1993, Vol. 1B Paper ID: 93-WP-92A.03

The Eulerian Model Evaluation and Field Study

Author(s): MA Lusis, PK Misra, NW Reid

Annual Conference: 1993, Vol. 1B

Paper ID: 93-WP-92A.04

Air Pollution Transport and Diffusion Over Coastal Urban Areas

Author(s): HD Kambezidis

Annual Conference: 1993, Vol. 1B

Paper ID: 93-WP-92A.06

Economic of Heat Recovery in the Thermal Oxidation of Wastes

Author(s): D Lewandowski Annual Conference: 1993, Vol. 4B

Paper ID: 93-WP-94.01

Cost Effective Fugitive VOC Emission Control Using the CADRE Process

Author(s): US Gupta, RO Koehler Annual Conference: 1993, Vol. 4B

Paper ID: 93-WP-94.02

Decomposition of Ammonia Via Radio-Frequency Plasma

Author(s): CS Yuan, FCN Horng, CS Tai Annual Conference: 1993, Vol. 4B

Paper ID: 93-WP-94.04

Process and Engineering Changes Required to Operate a Low Temperature Soil Desorption System

Author(s): RL Hawks, M Vardeman, E Harwood

Annual Conference: 1993, Vol. 4B

Paper ID: 93-WP-94.05

Control of Toxic Air Emissions with a Flameless Thermal Oxidizer

Author(s): KB Woods, JT Schofield Annual Conference: 1993, Vol. 4B

Paper ID: 93-WP-94.06

Biofiltration-Room Temperature Incineration

Author(s): DW Barshter, SW Paff, AB King

Annual Conference: 1993, Vol. 4B

Paper ID: 93-WP-94.07

Rapid Response High Effectiveness Destruction of Volatile Organic Vapors from Semiconductor Fabrication Processes

Author(s): DF Bartz, FE Moreno Annual Conference: 1993, Vol. 4B

Paper ID: 93-WP-94.08

VOC Concentration Through Air Volume Reduction Technologies

Author(s): ME Telkamp, SP Olivier Annual Conference: 1993, Vol. 4B

Paper ID: 93-WP-94.09

SO and HCI Scrubbing Through Use of Cement Kiln Dust or Other Alkaline Wastes and Subsequent Production of Marketable By-Products

Author(s): GL Young

Annual Conference: 1993, Vol. 3B

Paper ID: 93-WP-95A.01

Enhanced NOx Removal in Wet Scrubbers Using Metal Chelates

Author(s): K Smith, S Tseng, M Babu Annual Conference: 1993, Vol. 3B

Paper ID: 93-WP-95A.02

Performance Results From the 5-MW NOxSO Proof-OF-Concept Pilot Plant

Author(s): MC Woods, JL Haslbeck, WT Ma

Annual Conference: 1993, Vol. 3B

Paper ID: 93-WP-95A.05

Combining Low-NOx Burners, Overfire Air and SNCR for High Efficiency NOx Removal

Author(s): T Hunt, R Smith Annual Conference: 1993, Vol. 3B Paper ID: 93-WP-95A.06

Demonstration of Selective Catalytic Reduction Technology for the Control of Nitrogen Oxide Emissions from High Sulfur, Coal-Fired Boilers

Author(s): JD Maxwell, GS Ranhotra, AL Baldwin

Annual Conference: 1993, Vol. 3B Paper ID: 93-WP-95A.07

Acid Rain Compliance-Advanced Co-Current FGD Design for the Bailly Station

Author(s): BA Wrobel, DC Vymanzal Annual Conference: 1993, Vol. 3B Paper ID: 93-WP-95A.08

Agricultural Pesticide Emissions Associated with Common Crops in the United States

Author(s): WG Benjey

Annual Conference: 1993, Vol. 4B

Paper ID: 93-WP-96.01

Analysis of Urban Street Sweepings in New Jersey and Their Reuse Feasibility-A Case Study of the City of Newark, New Jersey

Author(s): MJ Minnicino, DR Draper Annual Conference: 1993, Vol. 4B

Paper ID: 93-WP-96.02

Integration of State toxic Air Pollutant Program with Title III of the Clean Air Act Amendments of 1990

Author(s): D Theiler

Annual Conference: 1993, Vol. 4B

Paper ID: 93-WP-98.01

Integration of Federal and State Air Toxics Programs

Author(s): JD McIntire

Annual Conference: 1993, Vol. 4B

Paper ID: 93-WP-98.02

Integration of Title III of the FCAAA with Texas Air Toxics Program

Author(s): KNT Olson

Annual Conference: 1993, Vol. 4B

Paper ID: 93-WP-98.03

Balancing the Federal Hazardous Air Pollution Control Program with Existing State/Local Programs: The Importance to the American Regulated Community

Author(s): GR Allen

Annual Conference: 1993, Vol. 4B

Paper ID: 93-WP-98.04

Integration of the California and Federal Air Toxics Programs

Author(s): RD Fletcher

Annual Conference: 1993, Vol. 4B

Paper ID: 93-WP-98.05

A Strategy for End Point Criteria for Superfund Remediation

Author(s): ST Hwang

Annual Conference: 1992, Vol. 8A

Paper ID: 92-1.01

Remedial Construction Management: An Engineer's Point of View

Author(s): DA Gow, KR Batsel Annual Conference: 1992, Vol. 8A

Paper ID: 92-1.02

CERCLA Removal Action at a Surplus Chemical Broker Facility

Author(s): GK Hess

Annual Conference: 1992, Vol. 8A

Paper ID: 92-1.04

Removal at Byers Warehouse

Author(s): RD McCutcheon Annual Conference: 1992, Vol. 8A

Paper ID: 92-1.05

Superfund Remediation Research, Training and Technology Transfer Activities of the Hazardous Substance Research Center for U.S. EPA Region 7 and 8

Author(s): LE Erickson, SC Grant Annual Conference: 1992, Vol. 8A

Paper ID: 92-1.06

Soil Washing Bench-Scale Studies for Treatment of Fuel Product Contaminated Soil at Eielson Air Force Base

Author(s): JL Uhland, D Walter Annual Conference: 1992, Vol. 8A

Paper ID: 92-10.02

In-Situ Soil Vapor Extraction Removal of Volatile Organic Compounds from an Industrial Landfill: A Case Study

Author(s): JW Marsh, WL Bider, EJ Svec Annual Conference: 1992, Vol. 8A

Paper ID: 92-10.03

Full-Scale Soil/Sediment Washing Systems for Hazardous Material Waste Minimization

Author(s): RE Ennis, S O'Brien, RP Traver

Annual Conference: 1992, Vol. 8A

Paper ID: 92-10.04

The Use of Physical Treatment Methods (Screening, Shredding & Electromagnetic Separation) at a State Superfund Site in Tennessee

Author(s): MJ Mann, CA Dilley Annual Conference: 1992, Vol. 8A

Paper ID: 92-10.06

Former Manufactured Gas Plant Sites: A Management Strategy of Site Evaluation

Author(s): JC Hoffman, WA Weiss Annual Conference: 1992, Vol. 8A

Paper ID: 92-10.07

Development of An Annual NO: NOx Ratio for Stationary Source NOx Plumes in the New York City Metropolitan Area

Author(s): EA Chasanoff

Annual Conference: 1992, Vol. 1A

Paper ID: 92-100.01

Monitoring Network Strategies to Address Potential 15-Minute to 1-Hour SO Standard

Author(s): DA Sullivan, DJ Hlinka, TG Grosch

Annual Conference: 1992, Vol. 1A

Paper ID: 92-100.02

Building Downwash Screening Modeling for the Downwind Recirculation

Author(s): LL Schulman, JS Scire Annual Conference: 1992, Vol. 1A

Paper ID: 92-100.03

The Environmental Protection Agency's Model Clearinghouse: Activities and Major Issues Resolved Since 1980

Author(s): JL Dicke, JA Tikvart Annual Conference: 1992, Vol. 1A

Paper ID: 92-100.04

Beta Test Procedure for the Hybrid Plume Dispersion Model

Author(s): RH Osa, GA Retzlaff Annual Conference: 1992, Vol. 1A

Paper ID: 92-100.05

Wind-Tunnel Modeling of Transport and Dispersion in the Valdez Basin

Author(s): RL Petersen, GF Hoffnagle Annual Conference: 1992, Vol. 1A

Paper ID: 92-100.06

Lattice Type Structure Building Height Determination for ISC Model Input

Author(s): RL Petersen, DN Blewitt, JA Panek

Annual Conference: 1992, Vol. 1A

Paper ID: 92-100.07

Comparison of Five-Minute and Hourly Simulations of Fugitive PM Impacts under Near Calm Meandering Wind Conditions

Author(s): IT Wang, DB Gemmill Annual Conference: 1992, Vol. 1A

Paper ID: 92-100.08

Modeling Concentration Fluctuations in the Atmosphere

Author(s): A Ciccone, E Alp Annual Conference: 1992, Vol. 1A

Paper ID: 92-100.09

Updating the ISC Model Through AERMIC

Author(s): JC Weil

Annual Conference: 1992, Vol. 1A

Paper ID: 92-100.11

Operational Evaluation of the Hybrid Plume Dispersion Model at Two Sites

Author(s): SR Hanna, JC Chang Annual Conference: 1992, Vol. 1A

Paper ID: 92-100.13

A Meteorological Screening Matrix for Near-Surface Sources such as Accidental Releases

Author(s): MJE Davies, MP Brennand, MJ Zelensky

Annual Conference: 1992, Vol. 1A

Paper ID: 92-101.01

Network Evaluation of Meteorological and Air Quality Data Logger Performance

Author(s): SR Petersen, DH Bush, RS Hallrman

Annual Conference: 1992, Vol. 1A

Paper ID: 92-101.02

A Review of SODAR Audit Procedures Using a Tethersonde Measurement System

Author(s): PE Virag, L Militana, S Mauch

Annual Conference: 1992, Vol. 1A

Paper ID: 92-101.03

Maximizing the Use of On-Site Meteorological Data Using Sodar Measurements

Author(s): GL Scott, T Palma Annual Conference: 1992, Vol. 1A

Paper ID: 92-101.05

Design of the SJVAQS/AUSPEX Meteorological Measurement Program to Support Regional Air Quality Modeling

Author(s): DL Blumenthal Annual Conference: 1992, Vol. 1A

Paper ID: 92-101.06

Meteorological Field Measurement Program for SJVAQS/AUSPEX

Author(s): RH Thuillier

Annual Conference: 1992, Vol. 1A

Paper ID: 92-101.08

Evaluation of the U.S. EPA SRDT AND Net Radiation-Based Stability Classification Systems

Author(s): AC Dittenhoefer, ML Menne Annual Conference: 1992, Vol. 1A

Paper ID: 92-101.09

Dispersion of Fume Hood Exhaust for Laboratories in the Vicinity of a Hill

Author(s): PJ Saathoff, T Stathopoulos, MA Dobrescu

Annual Conference: 1992, Vol. 1A

Paper ID: 92-102.01

Perfluorocarbon Tracer Experiments Performed in the San Joaquin Valley of California During the SJVAOS/AUSPEX Program-Summer of 1990

Author(s): TJ Rappolt, SL Quon Annual Conference: 1992, Vol. 1A

Paper ID: 92-102.02

Simulation of Dispersion of Atmospheric Pollutants in Complex Terrain

Author(s): L Enger, D Koracin Annual Conference: 1992, Vol. 1A

Paper ID: 92-102.03

Comparison of the ISCST Model with Two Alternative U.S. EPA Models in Complex Terrain in Hamilton County, OH

Author(s): PW Fisher, JA Foster, JA Sumner

Annual Conference: 1992, Vol. 1A

Paper ID: 92-102.04

Comparisons of Peak Predictions Among Rural Complex Terrain Models

Author(s): RJ Paine, DM Shea Annual Conference: 1992, Vol. 1A

Paper ID: 92-102.05

Reconciliation of ISCST Dispersion Model and CMB Receptor Model TSP Lead Apportionments Calculated Near a Primary Lead Smelter in East Helena, Montana

Author(s): ABC Patterson, MA Ratcliff Annual Conference: 1992, Vol. 1B

Paper ID: 92-103.01

Further Comparisons of Ambient and Emission Inventory NMOC/NOx Ratios

 $\hbox{Author(s): K Baugues}$

Annual Conference: 1992, Vol. 1B

Paper ID: 92-103.02

An Assessment of Air Quality Implications of Industrial NOx Emissions in an Urban Area

Author(s): DM Leahy, D Heaton Annual Conference: 1992, Vol. 1B

Paper ID: 92-103.03

Measured and Modeled Mass Transfer Coefficients for Volatile Organic Air Emissions from Refinery Wastewater Impoundments

Author(s): T Howard, B Lamb Annual Conference: 1992, Vol. 1B

Paper ID: 92-103.06

Receptor Modeling of Volatile Organic Compounds Accounting for Chemical Reactivity

Author(s): WK Merz, P Biswas Annual Conference: 1992, Vol. 1B

Paper ID: 92-104.01

Development of a Chemical Mass Balance Receptor Model for PM and Semi-Volatile Organic Compounds

Author(s): JG Teterycz, PA Scheff, RA Wadden

Annual Conference: 1992, Vol. 1B

Paper ID: 92-104.02

Tracing Atmospheric Acidic Species to Source locations in SoCAB

Author(s): MD Cheng, N Gao, PK Hopke Annual Conference: 1992, Vol. 1B

Paper ID: 92-104.03

PAH and PM Receptor Modeling in Chicago

Author(s): NR Khalili, PA Scheff, TM Holsen

Annual Conference: 1992, Vol. 1B

Paper ID: 92-104.04

Evaluation of Two-Phase Air Pollution Data for Receptor Modeling

Author(s): RA Wadden, PA Scheff, J Lin Annual Conference: 1992, Vol. 1B

Paper ID: 92-104.05

Receptor Modeling of VOCs in Atlanta, Georgia

Author(s): RA Wadden, PA Scheff Annual Conference: 1992, Vol. 1B

Paper ID: 92-104.06

Receptor Modeling Estimates of the Source Composition of a Major Source of Airborne Particles in Los Angeles

Author(s): RC Henry, Y Mi, JF Collins Annual Conference: 1992, Vol. 1B

Paper ID: 92-104.07

Preliminary receptor Modeling Analysis of a Two-Phase Data Set Collected in Chicago

Author(s): CB Keil, PA Scheff, RA Wadden

Annual Conference: 1992, Vol. 1B

Paper ID: 92-104.08

Source Apportionment Modeling of Toxic Air Pollutants in Allen County Lima, OH

Author(s): M Ramamurthi, TJ Kelly, AJ Pollack

Annual Conference: 1992, Vol. 1B

Paper ID: 92-104.09

Source Identification: Mexico City and Chicago

Author(s): LR Babcock, WJ Francek Annual Conference: 1992, Vol. 1B

Paper ID: 92-104.10

Using NMOC Source Allocation from Receptor Modeling to Predict Ozone Forming Potential

Author(s): PA Scheff, RA Wadden, I Uno Annual Conference: 1992, Vol. 1B

Paper ID: 92-105.01

PM Model Applications and Research

Author(s): JG Watson, JC Chow Annual Conference: 1992, Vol. 1B

Paper ID: 92-105.03

Limitations and Applications of Receptor Modeling for Groundwater Flow and Transport

Author(s): WB Mills

Annual Conference: 1992, Vol. 1B

Paper ID: 92-105.04

Apportionment of Visibility using Receptor Modeling Techniques

Author(s): WC Malm

Annual Conference: 1992, Vol. 1B

Paper ID: 92-105.05

A Comparison of Queue Length Modeling for Intersection Air Quality Analysis

Author(s): R Conway, L Do Annual Conference: 1992, Vol. 1B

Paper ID: 92-107.02

New York City Evaluation of CO Intersection Modeling Techniques: Determining the U.S. EPA Guideline Methodology

Author(s): DC DiCristofaro, TN Braverman

Annual Conference: 1992, Vol. 1B

Paper ID: 92-107.03

Mobile Source Emissions From Cities

Author(s): RL Bradow

Annual Conference: 1992, Vol. 1B

Paper ID: 92-107.04

Real World Vehicle and Engine Operation: Results of the MVMA/AIAM Instrumented Vehicle Pilot Study

Author(s): TL Darlington, PE Korsog, RS Strassburger

Annual Conference: 1992, Vol. 1B

Paper ID: 92-107.05

Conducting Air Quality Studies for Transportation Projects under Current Conformity and Regulatory Requirements in the San Francisco Bay Area

Author(s): JD Zimmerman, JA Reyff Annual Conference: 1992, Vol. 1B

Paper ID: 92-107.07

Conceptual Design of a Motor Vehicle in Emission Model Using Zonal-Based Transportation Model Output

Author(s): el Dickson, L Bruckman Annual Conference: 1992, Vol. 1B

Paper ID: 92-107.08

Development of Transportation Data for Use in Photochemical Grid Modeling

Author(s): L Bruckman, EL Dickson Annual Conference: 1992, Vol. 1B

Paper ID: 92-107.10

Comparison of Remote Sensing Data and Vehicle Emission Models The Proportion of Emissions from High Emitting Vehicles

Author(s): ak Pollack, JG Heiken, RA Gorse, Jr.

Annual Conference: 1992, Vol. 1B

Paper ID: 92-107.12

Full Scale Operating Experience of a Hydrogen Peroxide Based Desulfurization Process

Author(s): J Tarabocchia, M Weck Annual Conference: 1992, Vol. 3

Paper ID: 92-108.01

High Efficiency Integrated Environmental Control for Coal-Based Power Generation

Author(s): HC Frey, ES Rubin Annual Conference: 1992, Vol. 3

Paper ID: 92-108.02

A Pilot Demonstration of the Moving-Bed Limestone Emission Control (LEC) Process

Author(s): ME Prudich, SN Reddy, KW Appell

Annual Conference: 1992, Vol. 3

Paper ID: 92-108.03

The CANSOLV TM System for Removal of S02 from Gas Streams

Author(s): AB Barnett, J Sarlis Annual Conference: 1992, Vol. 3

Paper ID: 92-108.04

Recent Operating Experience of the Double Loop (TM) Limestone FGD System on High Sulfur Coal at St. Johns River Power Park (SJRPP)

Author(s): M Richman, RC Staehle, TI Tsui

Annual Conference: 1992, Vol. 3

Paper ID: 92-108.05

On Site Pilot Testing Demonstrates Catalytic Emission Control Technology for New VOC Applications

Author(s): DM VanBenchoten Annual Conference: 1992, Vol. 3

Paper ID: 92-109.01

First Large Scale Catalytic Oxidation System for PTA Plant CO and VOC Abatement

Author(s): TG Otchy, KJ Herbert Annual Conference: 1992, Vol. 3

Paper ID: 92-109.02

A Historical Perspective on the Future of Catalytic Oxidation of VOCs

Author(s): EJ Dowd, WM Sheffer, GE Addison

Annual Conference: 1992, Vol. 3

Paper ID: 92-109.03

Activity, Stability and Commercial Applications of the Allied-Signal Halohydrocarbon Destruction Catalyst

Author(s): RF Renneke, KJ Herbert Annual Conference: 1992, Vol. 3

Paper ID: 92-109.05

Family of Versatile Catalyst Technologies for NO x and CO Removal in Co-Generation

Author(s): BK Speronello, JM Chen, RM Heck

Annual Conference: 1992, Vol. 3

Paper ID: 92-109.06

Performance of High Temperature SCR Catalyst System at Unocal Science & Technology Division

Author(s): R Craig, g Robinson, P Hatfield

Annual Conference: 1992, Vol. 3

Paper ID: 92-109.08

Controlling Air Emissions During Hazardous Waste Excavation

Author(s): RW Gerstle

Annual Conference: 1992, Vol. 8A

Paper ID: 92-11.02

Energy, Waste and Cost Considerations associated with Controlling Air Streams Containing Low Concentrations of Organic Compounds

Author(s): JF Durham

Annual Conference: 1992, Vol. 8A

Paper ID: 92-11.04

Air Quality Considerations of Remediation Sites

Author(s): JJ Frey, DA Nadzam Annual Conference: 1992, Vol. 8A

Paper ID: 92-11.05

Lead Air Sampling and Uptake Biokinetic Modeling as Support for Remedial Actions at a Superfund Site

Author(s): PB Harnett, MJ Firth, JL Downie

Annual Conference: 1992, Vol. 8A

Paper ID: 92-11.08

Air Pathway Analysis Using Open Path FTIR Spectroscopy during Waste Dredging Activities at a Large Industrial Lagoon

Author(s): PJ Solinski, RL Scotto, TR Minnich

Annual Conference: 1992, Vol. 8A

Paper ID: 92-11.09

Applicability of Open Path Monitors for Use at Superfund sites

Author(s): JA Draves, BM Eklund, J Padgett

Annual Conference: 1992, Vol. 8A

Paper ID: 92-11.10

Estimation of VOC Emissions, Ambient Air Concentrations and Health Effects from the Excavation of Contaminated Soil

Author(s): BM Eklund, SA Smith, JF Durham

Annual Conference: 1992, Vol. 8A

Paper ID: 92-11.11

Control Efficiencies and Costs of Various Technologies for Reduction of Volatile Organic compound Emissions from Exposed Hazardous and Nonhazardous Waste

Author(s): DR Suder, CE Schmidt Annual Conference: 1992, Vol. 8A

Paper ID: 92-11.15

Prospects for Residential Oil Burners with Reduced Emissions

Author(s): TA Butcher, RF Krajewski, Y Celebi

Annual Conference: 1992, Vol. 5

Paper ID: 92-110.05

Analysis of Emissions from Residential Oil Furnaces

Author(s): RC McCrills, RR Watts Annual Conference: 1992, Vol. 5

Paper ID: 92-110.06

Indoor Emissions from Induced Draft Gas Appliances

Author(s): D Fugler, T Hamlin, P Moffatt

Annual Conference: 1992, Vol. 5

Paper ID: 92-110.4

Gas Stream Additives

Author(s): ER Butterworth Annual Conference: 1992, Vol. 3

Paper ID: 92-111.01

Alternative Technologies to Optical Opacity Monitoring Systems

Author(s): R Buckallew, AH Bock Annual Conference: 1992, Vol. 3

Paper ID: 92-111.02

Fabric Selection-Efficiencies and Economics

Author(s): D Witt, AH Bock Annual Conference: 1992, Vol. 3

Paper ID: 92-111.03

The Use of Acoustic Horns to Improve the Performance of Fabric Filters

Author(s): M Santschi, AH Bock Annual Conference: 1992, Vol. 3

Paper ID: 92-111.04

Microporous GORE-TEX Membrane Filter Media Can Help Control Submicron Particulate Matter, Heavy Metal and Dioxin/Furan Emissions

Author(s): GA Brinckman Annual Conference: 1992, Vol. 3

Paper ID: 92-111.05

Demonstration of Pilot Pulse-Jet Baghouse Operation at Coal-Fired U.S. Utility Boilers

Author(s): CJ Bustard, RL Chang Annual Conference: 1992, Vol. 3

Paper ID: 92-111.06

Using a VI-CLR to Improve the ESP Power Utilization and Collection Efficiency

Author(s): DF Johnston

Annual Conference: 1992, Vol. 3

Paper ID: 92-111.07

Pollution Prevention and Energy Conservation:

Understanding the Interactions

Author(s): AH Purcell

Annual Conference: 1992, Vol. 15

Paper ID: 92-112.02

Multi-Media Pollution Prevention: A Case Study of a Refinery

Author(s): M Podar, H Klee, Jr Annual Conference: 1992, Vol. 15

Paper ID: 92-112.04

Pollution Prevention for Lead

Author(s): CA Boyd, TG Casey Annual Conference: 1992, Vol. 15

Paper ID: 92-112.06

Implementation of SB 14; California's Hazardous Waste Minimization Plan Requirement

Author(s): PE Smokler, EV Gaddi, PA Farmanian

Annual Conference: 1992, Vol. 15

Paper ID: 92-112.07

Recent Results from Pilot-Scale Tests Evaluating Catalyst-Coated Fabric Filters for Simultaneous No x and Particulate Control

Author(s): DL Laudal, GE Dunham, GF Dunham

Annual Conference: 1992, Vol. 3

Paper ID: 92-113.02

The Clean Coal Program's Contributions to Addressing the Requirements of the Clean Air Amendment of 1990

Author(s): RL Miller

Annual Conference: 1992, Vol. 3

Paper ID: 92-113.04

An Environmental Overview of Integrated Gasification Combined Cycle Technology as Exemplified by the Shell Coal Gasification Process

Author(s): RJ Davis, DR Salzman Annual Conference: 1992, Vol. 3

Paper ID: 92-113.06

Preliminary Results from Phase 11, group 11 Low-NO x Clean Coal Retrofit Demonstrations

Author(s): RJ Kleisley, TA Laursen, GJ Maringo

Annual Conference: 1992, Vol. 3

Paper ID: 92-113.07

High Efficiency SO and NO x Abatement with No waste Generation: The SNOX Process

Author(s): DC Borio, WH Kingston Annual Conference: 1992, Vol. 3

Paper ID: 92-113.08

Demonstration of Combined NO x and SO Emission Control Technologies Involving Gas Reburning

Author(s): AD Jensen, BA Folsom, D Hartsock

Annual Conference: 1992, Vol. 3

Paper ID: 92-113.09

Advanced Coal Cleaning for Reducing SO Emissions

Author(s): TJ Feeley, 111 Annual Conference: 1992, Vol. 3

Paper ID: 92-113.10

Sorbathene Organic Vapor Recovery Unit, The Dow Chemical Company's Solution to Organic Vapor Emissions

Author(s): LA Robbins, TL Hall Annual Conference: 1992, Vol. 4

Paper ID: 92-114.06

VOC Screening Model: Choosing VOC Emission Control Technologies

Author(s): LL Hunter, VS Engleman Annual Conference: 1992, Vol. 4

Paper ID: 92-114.07

System Modeling and Design Analysis of Fixed Bed Catalytic Reactor Designs for Controlling Air Toxic Emissions

Author(s): ML McCullough Annual Conference: 1992, Vol. 4

Paper ID: 92-114.08

Brayton Cycle Solvent Recovery

Author(s): NK Jain

Annual Conference: 1992, Vol. 4

Paper ID: 92-114.09

Cryogenic Condensation and Recovery of VOCs

Author(s): RJ Spencer

Annual Conference: 1992, Vol. 4

Paper ID: 92-114.10

Temporary Vapor Storage-A New Emission Control Technology

Author(s): JC Hickman

Annual Conference: 1992, Vol. 4

Paper ID: 92-114.11

The Role of Economics in Selecting VOC Controls

Author(s): KL Mulholland, AS Chetty, JA Dyer

Annual Conference: 1992, Vol. 4

Paper ID: 92-114.13

Air Emissions Reduction Strategies

Author(s): JA Dyer, RW Sylvester Annual Conference: 1992, Vol. 4

Paper ID: 92-114.14

Demonstration of Innovative VOC Emission Reduction Technologies

Author(s): RD Sung, RH Lo Annual Conference: 1992, Vol. 4

Paper ID: 92-114.15

Biofiltration of High Intensity Odors from Poultry Rendering Plants

Author(s): WH Prokop, NR Archer Annual Conference: 1992, Vol. 4

Paper ID: 92-115.01

Practical Methods of Increasing Present Solvent Air Emission Control System

Author(s): RE Kenson

Annual Conference: 1992, Vol. 4

Paper ID: 92-115.02

Odor Control for Industrial Facilities

Author(s): AM Martin, SL Nolen, PS Gess

Annual Conference: 1992, Vol. 4

Paper ID: 92-115.03

Carbon Disulfide Emission Control Options

Author(s): R Gupta, DA Tulis Annual Conference: 1992, Vol. 4

Paper ID: 92-115.04

Title 111 Toxic Air Emission Control through Thermal Oxidation

Author(s): RL Pennington Annual Conference: 1992, Vol. 4

Paper ID: 92-115.05

Removal of Reactive Organic Gases and Odor in Packed Tower Scrubber

Author(s): GP Van Durme, SA Rinnert, JH Clark

Annual Conference: 1992, Vol. 4

Paper ID: 92-115.06

Determining Overall VOC Reduction Efficiency for a Coil Coating Operation

Author(s): RE Kalweit

Annual Conference: 1992, Vol. 4

Paper ID: 92-115.07

Control of Volatile Organic Compound Emissions from a POTW Using a Compost Biofilter

Author(s): SJ Ergas, ED Schroeder, DPY Chang

Annual Conference: 1992, Vol. 4

Paper ID: 92-116.02

Control of Hazardous and Toxic Emissions by Biofiltration

Author(s): G Leson, F Tabatabai, AM Winer

Annual Conference: 1992, Vol. 4

Paper ID: 92-116.03

Removal of Styrene from Air Using Bench-Scale Biofilter and Biotrickling Filter Reactors

Author(s): AP Togna, BR Folsom Annual Conference: 1992, Vol. 4

Paper ID: 92-116.04

A Biological Fixed-Film Simulation Model for the Removal of Volatile Organic Air Pollutants

Author(s): HF Ockeleon, TJ Overcamp, CPL Grady

Annual Conference: 1992, Vol. 4

Paper ID: 92-116.05

Operational Parameters for the Control of Hydrogen Sulfide Emissions Using Biofiltration

Author(s): ER Allen, Y Yang Annual Conference: 1992, Vol. 4

Paper ID: 92-116.06

Emission of Microorganisms from Biofilters

Author(s): SPP Ottengraf, JHG Konings Annual Conference: 1992, Vol. 4

Paper ID: 92-116.08

Reconciling Mobile Source Offset Programs with Air Quality Management Plans

Author(s): R Guensler

Annual Conference: 1992, Vol. 3

Paper ID: 92-117.01

Promotion of Alternative Fuel Vehicles through

Transportation Control Measure Credits and Other Means

Author(s): C Sullivan, C Nelson Annual Conference: 1992, Vol. 3

Paper ID: 92-117.02

Marketable Credits for Light-Duty Vehicle Emission Control in California

Author(s): Q Wang, C Kling, D Sterling Annual Conference: 1992, Vol. 3

Paper ID: 92-117.03

Clean Fuels Vehicles and TCMs

Author(s): M Talwar

Annual Conference: 1992, Vol. 3

Paper ID: 92-117.05

Meeting the Title 1 Requirements for Ozone/CO: The Role of Clean Fueled Vehicle

Author(s): VJ Broadwell, C Rudisill Annual Conference: 1992, Vol. 3

Paper ID: 92-117.06

Development of a Residential Wood Smoke Reduction Plan in a Woodburning Community: A Case Study in Libby, Montana

Author(s): RJ Fox, LA Manderino, CE Lyons

Annual Conference: 1992, Vol. 3

Paper ID: 92-118.02

Characterization of Condensable and Semivolatile Organic Materials from Boise Woodstove Samples

Author(s): RS Steiber, RC McCrillis, JA Dorsey

Annual Conference: 1992, Vol. 3

Paper ID: 92-118.03

Quantification of Emissions from Barbeque Charcoal Ignition Products for Compliance with SCAQMD Rule 1174

Author(s): EKCollins, RJ Vacherot Annual Conference: 1992, Vol. 3

Paper ID: 92-118.04

Evaluation of Emissions from Masonry Heaters and Masonry Fireplace in Homes

Author(s): SG Barnett, RC McCrillis, RB Crooks

Annual Conference: 1992, Vol. 3

Paper ID: 92-118.06

Progress in the Development of a Test Method fro Fireplace Particulate Matter and Carbon Monoxide Emissions

Author(s): DR Jaasma, CH Stern, JW Shelton

Annual Conference: 1992, Vol. 3

Paper ID: 92-118.07

Reactivity of Total Organic Gas Emissions from Reformulated Gasolines-Auto/Oil Air Quality Improvement

Research Program

Author(s): CH Schleyer, AM Dunker, GA Whitten

Annual Conference: 1992, Vol. 1B

Paper ID: 92-119.02

Effects of Aromatics, MTBE, Olefins and T90 on Urban Air Quality in Year 2005/2010: Auto/Oil Air Quality

Improvement Research Program

Author(s): AM Dunker, RE Morris, AK Pollack

Annual Conference: 1992, Vol. 1B

Paper ID: 92-119.03

Development of Emission Inventories for Different Vehicle/Fuel Systems for the Auto.Oil Quality

Improvement Research Program

Author(s): AK Pollack, JL Fieber, G Lauer

Annual Conference: 1992, Vol. 1B

Paper ID: 92-119.04

Methodology for Trajectory and Grid Modeling to Determine the Impact of Different Vehicle/Fuel Systems on Air Quality: Auto/Oil Air Quality Improvement Research Program

Author(s): RE Morris, DP Chock, AM Dunker

Annual Conference: 1992, Vol. 1B

Paper ID: 92-119.05

Effects of Methanol/gasoline Blends Used in Flexible/Variable Fuel Vehicles on Urban Air Quality in Year 2005/2010-Auto/Oil Air Quality Improvement Research Program

Author(s): AM Dunker, CH Schleyer, RE Morris

Annual Conference: 1992, Vol. 1B

Paper ID: 92-119.06

A Comparative Study of Continuous Emission Monitoring Systems According to the Requirements of the New Part 75 Regulations

Author(s): FA Jacocks, JR Leslie Annual Conference: 1992, Vol. 2B

Paper ID: 92-120.01

New UV Analyzer for Monitoring SO Emissions

Author(s): CR Jones, R Siemon Annual Conference: 1992, Vol. 2B

Paper ID: 92-120.02

Beta Testing Results Using Water and Condensible Hydrocarbons for a New Volumetric Difference Instrument System

Author(s): HH DeFriez, CL Gordon Annual Conference: 1992, Vol. 2B

Paper ID: 92-120.03

Selecting New Continuous Emission Monitors: PG&E's Experience

Author(s): VV Brown

Annual Conference: 1992, Vol. 2B

Paper ID: 92-120.04

Redundant CEMS to Meet the 1990 Clean Air Act

Author(s): RL Mullowney, Jr Annual Conference: 1992, Vol. 2B

Paper ID: 92-120.05

Ultrasonic Flow Measurement of Gases for EPA Monitoring

Author(s): D Stahlschmidt, WA Gilmour Annual Conference: 1992, Vol. 2B

Paper ID: 92-120.07

Data Quality and Hazardous Waste Site Cleanup Costs

Author(s): BJ Fairless

Annual Conference: 1992, Vol. 2B

Paper ID: 92-122.01

Pro-Active Quality Assurance in Air Quality and

Meteorological Monitoring Programs

Author(s): AN Barnett

Annual Conference: 1992, Vol. 2B

Paper ID: 92-122.04

Ensuring Environmental Data Quality

Author(s): AD Wait, NS Shifrin, SD Chapnick

Annual Conference: 1992, Vol. 2B

Paper ID: 92-122.05

Education for Environmental Auditors

Author(s): RN Hazelwood Annual Conference: 1992, Vol. 12

Paper ID: 92-123.01

Environmental Compliance Assessment System Support of Army Environmental Leadership

Author(s): C Williams

Annual Conference: 1992, Vol. 12

Paper ID: 92-123.02

Practical Experiences in Environmental Auditing at Tactical Air Command Installations

Author(s): WJ Stutz, ME McGee Annual Conference: 1992, Vol. 12

Paper ID: 92-123.03

U.S. Air Force Environmental Compliance Assessment and Management Program

Author(s): JA Aiello

Annual Conference: 1992, Vol. 12

Paper ID: 92-123.04

Principles of Environmental Auditing

Author(s): M DiBerto

Annual Conference: 1992, Vol. 12

Paper ID: 92-123.05

Auditing Problems-Keeping Everyone Happy

Author(s): JR Pooler

Annual Conference: 1992, Vol. 12

Paper ID: 92-123.06

Environmental Compliance Audits of Electric Generating Facilities A Practical Approach

Author(s): RD Staker

Annual Conference: 1992, Vol. 12

Paper ID: 92-123.07

Environmental Criminal Enforcement in the 1990s

Author(s): JG Block

Annual Conference: 1992, Vol. 12

Paper ID: 92-123.08

Environmental Management Systems Audit Standard

Author(s): FJ Priznar, R Cogen, L Farmer

Annual Conference: 1992, Vol. 12

Paper ID: 92-123.10

Regulatory Compliance Assessments: The Key to Environmental Responsibility

Author(s): MJ Hoffman

Annual Conference: 1992, Vol. 12

Paper ID: 92-123.11

Practical Experiences in Environmental Compliance Auditing for an Air Sampling Program

Author(s): JA Hampel-Stephens, BC MacDonald, GB

Mohrman

Annual Conference: 1992, Vol. 12

Paper ID: 92-123.12

Environmental Audit Program for Department of the Army Installations

Author(s): JD Wood

Annual Conference: 1992, Vol. 12

Paper ID: 92-123.13

"Self Defense" Hoe to Keep Your Environmental Audit Documents from Killing You" FALSE

 $\hbox{Author(s): JE Ryan, JR.}$

Annual Conference: 1992, Vol. 12

Paper ID: 92-123.14

Disposal of Surplus Property-Environmental Risks and Potential Liabilities

Author(s): JR Thruman

Annual Conference: 1992, Vol. 12

Paper ID: 92-123.15

Taking Environmental Auditing to the Next Level: Moving to Pollution Prevention Audits in the 1990s

Author(s): JR Edward

Annual Conference: 1992, Vol. 12

Paper ID: 92-123.16

Agency Inspections and Preparing for Administrative Proceedings

Author(s): GG Crognale

Annual Conference: 1992, Vol. 13

Paper ID: 92-124.01

Negotiating RCRA Corrective Action Requirements

Author(s): JT Price, JH Andreasen Annual Conference: 1992, Vol. 13

Paper ID: 92-124.02

EPA's Proposed RCRA Corrective Action Program:

Experiences With Program Implementation

Author(s): KR Batsel

Annual Conference: 1992, Vol. 13

Paper ID: 92-124.03

Legal Standards for Federal Environmental Inspections

Author(s): TJP McHenry, HE Heide Annual Conference: 1992, Vol. 13

Paper ID: 92-124.05

Computer-Aided Observational Approaches to Site Assessment

Author(s): GB Baecher, J Hetrick Annual Conference: 1992, Vol. 12

Paper ID: 92-125.01

Data Validation Procedures for Ambient Air Monitoring Programs

Author(s): DH Bush, wc Brick, MQ Moritsch

Annual Conference: 1992, Vol. 12

Paper ID: 92-125.02

Development of Environmental Database Management Systems (EDMS) for Site Characterization

Author(s): GR Buckle, L Montojo Annual Conference: 1992, Vol. 12

Paper ID: 92-125.03

Geographic Information System for Geo-Construction Data Management

Author(s): TM Adams, NA Majmudar Annual Conference: 1992, Vol. 12

Paper ID: 92-125.09

Air Permit Preparation Can Be Expedited by Using Relational Databases

Author(s): JG Musgrove, AJ Kikta Annual Conference: 1992, Vol. 12

Paper ID: 92-125.10

Graphic-Based Waste Site Management

Author(s): SR Rod

Annual Conference: 1992, Vol. 12

Paper ID: 92-126.02P

Managing Environmental Compliance through Integrated Information Systems Management

Author(s): GS Gasperino

Annual Conference: 1992, Vol. 12

Paper ID: 92-127.01

Four Models of Continuous Emissions Monitoring Redundancy

Author(s): PA Guris

Annual Conference: 1992, Vol. 12

Paper ID: 92-127.02

1992 Environmental Software Survey

Author(s): SM Johnson

Annual Conference: 1992, Vol. 12

Paper ID: 92-127.03

Real-Time Ozone Forecasts for New Jersey

Author(s): NM Reiss, O Naot, S Perlysky

Annual Conference: 1992, Vol. 12

Paper ID: 92-127.04

An Expert System, Using dBase for State Air Quality

Regulators and Applicants

Author(s): JC Clarke, NM Reiss Annual Conference: 1992, Vol. 12

Paper ID: 92-127.05

Managing the Complexities of Superfund Compliance

Author(s): JW Hansman, DS Wilson Annual Conference: 1992, Vol. 12

Paper ID: 92-127.07

Air CHIEF CD-ROM-The Wave of EPA's Future Emission Estimation Tools

Author(s): AA Pope, A Ingram Annual Conference: 1992, Vol. 12

Paper ID: 92-127.08

GIS: Landfill Site Selection Made Easier

Author(s): MC Harper

Annual Conference: 1992, Vol. 12

Paper ID: 92-128.01P

The Role of GIS Technology in Air Toxics Risk Assessment Communication and Management

Author(s): TJ Moore

Annual Conference: 1992, Vol. 12

Paper ID: 92-128.02P

Implementation of a Geographic Information System for the Analysis of Fugitive Dust Emissions from the Owen Lake

Author(s): LL Duvall, JA Bernert Annual Conference: 1992, Vol. 12

Paper ID: 92-128.03P

Air Toxics Control Alternatives for Iron Foundary Pouring, Colling and Shakeout Operations

Author(s): SJ Klafka

Annual Conference: 1992, Vol. 6

Paper ID: 92-129.01

Incorporating the Concepts of Source Resolution and Risk Apportionment to Augment the Bubble Policy for Iron & Steel Plants

Author(s): S Mukerjee, P Biswas Annual Conference: 1992, Vol. 6

Paper ID: 92-129.03

Ambient BSO Concentrations in the Vicinity of a Coke Oven Plant

Author(s): JH Tsai, FT Jeng Annual Conference: 1992, Vol. 6

Paper ID: 92-129.04

Economic Evaluation of Control Devices for Benzene and Formaldehyde Emissions from Casting Operations

Author(s): JS Rickun, KE Sorenson Annual Conference: 1992, Vol. 6

Paper ID: 92-129.05

Quantification of Fugitive Dust Emissions from Roadways in a Steel Plant

Author(s): GE Muleski, FJ Pendleton, RJ Weiskircher

Annual Conference: 1992, Vol. 6

Paper ID: 92-129.06

Control Trends for Iron ad Steel Non-Process Fugitive PM during the 1980s

Author(s): FJ Pendleton

Annual Conference: 1992, Vol. 6

Paper ID: 92-129.07

Techniques for Removing Radioactive Contamination-A Treatability Study

Author(s): CSE Marlowe

Annual Conference: 1992, Vol. 8A

Paper ID: 92-13.01

Biodegradation of Pentachlorophenol in a Fluidized Bed Bioreactor

Author(s): S Huang

Annual Conference: 1992, Vol. 8A

Paper ID: 92-13.02

Determination of Respiration Rates in Soil Piles to Evaluate

Author(s): D McGinnis, RR Dupont, K Everhart

Annual Conference: 1992, Vol. 8A

Paper ID: 92-13.05

Nitrogen Fixation Potential in Petroleum Contaminated Soils

Author(s): DL Roy, RR Dupont Annual Conference: 1992, Vol. 8A

Paper ID: 92-13.06

An Evaluation of Arsenic Removal Processes

Author(s): EA Kobylinski, JA Roy, DE Sinkbeil

Annual Conference: 1992, Vol. 8A

Paper ID: 92-13.07

Physical Treatment of Metal-Contaminated Acidic Mine Drainage to Meet Acute Toxicity Testing

Author(s): SD Boling, EA Kobylinski Annual Conference: 1992, Vol. 8A

Paper ID: 92-13.08

Recovery and Reuse of Mill Scale via De-oiling

Author(s): JJ Schubert, rg Cook Annual Conference: 1992, Vol. 6

Paper ID: 92-130.01

A Review of the Southern Company Clean Air Compliance Strategy

Author(s): WS Herrin, HJ Stevenson, Jr.

Annual Conference: 1992, Vol. 3

Paper ID: 92-131.01

Clean Air Compliance Framework-A Tool for Compliance Planning

Author(s): RH Osa, H Chromy Annual Conference: 1992, Vol. 3

Paper ID: 92-131.02

Electric Utility Strategies for Controlling SO under Title IV (Acid Deposition Control) of the 1990 Clean Air Act Amendments

Author(s): JD Kinsman, JE Evans, JH Clendenin

Annual Conference: 1992, Vol. 3

Paper ID: 92-131.03

An Analysis of SO Emission Compliance under the 1990 Clean Air Act Amendments

Author(s): DA Hanson, CM Cilek, F Pandola

Annual Conference: 1992, Vol. 3

Paper ID: 92-131.05

Summary of Air Toxic Emission Values from Utility Boilers Firing Residual Fuel Oil or Natural Gas

Author(s): RB Booth, MD McDannel Annual Conference: 1992, Vol. 4

Paper ID: 92-132.01

Methodology for Assessing the Utility Contribution to Air Toxics Risks

Author(s): KK Connor, DR Room, L Levin

Annual Conference: 1992, Vol. 4

Paper ID: 92-132.04

Characterization of Toxic Metal Emissions by XRF Analyses Pursuant to Title 111 CAAA of 1990

Author(s): P Dayal, JC Chow, G Neuroth

Annual Conference: 1992, Vol. 4

Paper ID: 92-132.05

The Comprehensive Risk Evaluation of Air Toxics: Initial Findings

Author(s): L Levin, LB Gratt, KK Connor

Annual Conference: 1992, Vol. 4

Paper ID: 92-132.06

Electric Vehicles-Energy Conservation and Urban Air Quality Issues

Author(s): KF Barber, RB Abarcar Annual Conference: 1992, Vol. 11

Paper ID: 92-133.01

GLOCO: A Global Carbon Cycle Management Model

Author(s): RA Goldstein, RJM Hudson, SA Gherini

Annual Conference: 1992, Vol. 11

Paper ID: 92-133.03

A Summary of Key Uncertainties in Scientific Projections of Global Warming

Author(s): EP Olaguer

Annual Conference: 1992, Vol. 11

Paper ID: 92-133.04

The Economic Impacts of Emission Reduction Policies

Author(s): DA Hanson, CM Cilek, F Pandola

Annual Conference: 1992, Vol. 11

Paper ID: 92-133.05

Potential Contribution of Clean Coal Technologies to Reducing Global Emissions of Greenhouse Gases

Author(s): TJ Blasing

Annual Conference: 1992, Vol. 11

Paper ID: 92-133.06

The Status of Renewable Energy Technology

Author(s): DG Schueler

Annual Conference: 1992, Vol. 11

Paper ID: 92-133.07

An Integrated Assessment of Climate Change and Electric Utilities

Author(s): H Dowlatabadi Annual Conference: 1992, Vol. 11

Paper ID: 92-133.08

Recent Experiences in Permitting Expanded Generation Capacity

Author(s): EC Texler, mf Szabo Annual Conference: 1992, Vol. 6

Paper ID: 92-134.01

Pressure from the Federal Land Managers to Alter the Criteria for Construction Permits under the Clean Air Act's PSD Program; An Applicant's Perspective

Author(s): ML Teague

Annual Conference: 1992, Vol. 6

Paper ID: 92-134.02

An Overview of the Permitting of New Power Plant Facilities near the Shenandoah National Park in Virginia

Author(s): AW Hadder, SC Shaw, JP Cassada, Jr.

Annual Conference: 1992, Vol. 6

Paper ID: 92-134.04

New Source Review Facing the Cogeneration Industry: A Case Study of LG&E Power System's Buena Vista, Virginia Project

Author(s): MLR Housley, PR Hurt Annual Conference: 1992, Vol. 6

Paper ID: 92-134.05

Electric Utility resource Expansion Planning Using Environmental Externalities

Author(s): ED Mitchell Annual Conference: 1992, Vol. 6

Paper ID: 92-135.01

Review of Power Plant Siting Requirements and Costs

Author(s): KE Parsons, MF Szabo, BA Laseke

Annual Conference: 1992, Vol. 6

Paper ID: 92-135.02

The Social Cost of Electricity: How Much of the Camel to Let into the Tent?

Author(s): D Burtrav, AJ Krupnick Annual Conference: 1992, Vol. 6

Paper ID: 92-135.03

Environmental Externalities and Electric Power System Operations

Author(s): SJ Jabbour, MP Stenson, WM Wells

Annual Conference: 1992, Vol. 6

Paper ID: 92-135.05

Are There SO Externality Costs Beyond the Clean Air Act Amendments of 1990?

Author(s): AK Sanghi, AL Joseph Annual Conference: 1992, Vol. 6

Paper ID: 92-135.06

Evaluating Emissions at the California Energy Commission-Cost of Control Versus Damage Functions (A

Policymaker's Nightmare?)

Author(s): RA Bilas

Annual Conference: 1992, Vol. 6

Paper ID: 92-135.08

Environmental Externalities in Utility Planning

Author(s): RF Naill, AJ Van den Berg Annual Conference: 1992, Vol. 6

Paper ID: 92-135.09

A NO x Control Regulation for Utility Boilers in California

Author(s): DR Price

Annual Conference: 1992, Vol. 6

Paper ID: 92-135.10

NO x Emission Control for Gas Turbines: A 1992 Update on Regulations and Technology

Author(s): NN Schorr

Annual Conference: 1992, Vol. 3

Paper ID: 92-136.01

Meeting Worldwide NO x Regulations for Industrial Gas Turbines Under 20 MW

Author(s): RL Swingle, DJ Phaneuf Annual Conference: 1992, Vol. 3

Paper ID: 92-136.02

Implementation of NO x Emission Standards in the Gas Transmission Company in the Netherlands

Author(s): T Veestra, P Coors, RJV Rosmalen

Annual Conference: 1992, Vol. 3

Paper ID: 92-136.03

Nitric Oxide to Nitrogen Dioxide Conversion Rates at a Natural Gas Compressor Station

Author(s): TH Gibbons, DH Gebhart Annual Conference: 1992, Vol. 3

Paper ID: 92-136.04

Stationary Gas Turbines-formation of NO x Emissions and Available Control Techniques

Author(s): RB Snyder, KR Durkee, WJNeuffer

Annual Conference: 1992, Vol. 3

Paper ID: 92-136.05

Selective Catalytic Reduction NO x Control for Small Natural Gas-Fired Prime Movers

Author(s): GS Sgareef, dk Stone, KR Ferry

Annual Conference: 1992, Vol. 3

Paper ID: 92-136.06

Emission Control Techniques for Westinghouse Industrial Combustion Turbines

Author(s): RJ Antos

Annual Conference: 1992, Vol. 3

Paper ID: 92-136.07

An Integrated Refinery Odor Reduction Plan

Author(s): MM DeLeon, DB Bordvick Annual Conference: 1992, Vol. 4

Paper ID: 92-137.01

Methods to Eliminate and Mitigate Flare Emissions at Oil and Gas Processing Facilities

Author(s): SW Sterner

Annual Conference: 1992, Vol. 4

Paper ID: 92-137.02

A Study of Ambient Odours in the Sarnia Area

Author(s): MRE Rix, K Ma, S Munro Annual Conference: 1992, Vol. 4

Paper ID: 92-137.03

Analysis and Control of Odors from Petroleum Refineries

Author(s): MA O'Brien, RA Duffee, N Ostojic

Annual Conference: 1992, Vol. 4

Paper ID: 92-137.04

Implementation of the National Emission Standard for Equipment Leaks

Author(s): KA Dahl

Annual Conference: 1992, Vol. 4

Paper ID: 92-137.05

Fugitive Emissions: The Need for More Accurate Measurement Techniques

Author(s): AD Hosler, TN Grosshandler, RL Marchman

Annual Conference: 1992, Vol. 4

Paper ID: 92-137.06

Operation Desert Shield/Storm Hazardous Materials and Waste Issues

Author(s): SW McCone

Annual Conference: 1992, Vol. 6

Paper ID: 92-138.01

A New Response to Hazardous Waste Management Challenges in the U.S. Department of the Interior

Author(s): JP Deason

Annual Conference: 1992, Vol. 6

Paper ID: 92-138.02

Environmental Compliance Assessment and Management Program (ECAMP) History and Issues at Government Owned/Contractor Operated Plants

Author(s): CR Stoltz, SB Joshi Annual Conference: 1992, Vol. 6

Paper ID: 92-138.04

The Air Force Logistics Command Asbestos Management Program

Author(s): DL Kumar, O Makhijani Annual Conference: 1992, Vol. 6

Paper ID: 92-138.05

DOD Emission Inventory Requirements Pursuant to the 1990 Clean Air Act Amendments

Author(s): DJ Pelton, TN Sletten Annual Conference: 1992, Vol. 6

Paper ID: 92-138.06

Environmental Process Improvement Center-Environmental Quality in Action

Author(s): PG Brunner

Annual Conference: 1992, Vol. 6

Paper ID: 92-138.07

Motivation: The Key to Environmental Compliance

Author(s): WD Severinghaus, ML Denight

Annual Conference: 1992, Vol. 6

Paper ID: 92-138.09

Environmental Complications of Base Closure

Author(s): RT Swenson, d Fivehouse, W Wisniewski

Annual Conference: 1992, Vol. 6

Paper ID: 92-138.10

NASA Operations and Environmental Compliance

Author(s): JA Jatko

Annual Conference: 1992, Vol. 6

Paper ID: 92-138.11

Environmental Research Development and Demonstration Programs at DOD

Author(s): JA Marsh

Annual Conference: 1992, Vol. 6

Paper ID: 92-138.12

DOE Implementation of Executive Order 12759: Alternative Fuel Vehicles for the Federal Fleet

Author(s): DE Rodgers

Annual Conference: 1992, Vol. 6

Paper ID: 92-138.13

National Enforcement Investigations Center (NEIC) Multi-Media Investigations at Federal Facilities

Author(s): JL Hatheway Annual Conference: 1992, Vol. 6

Paper ID: 92-138.14

Air Toxic Emission Surveys and Inventories

Author(s): RA Cinron-Ocasio Annual Conference: 1992, Vol. 4

Paper ID: 92-139.01

Minimization of Hazardous Materials in Air Force Technical Orders and Specifications

Author(s): CB Herring, TC Black Annual Conference: 1992, Vol. 4

Paper ID: 92-139.02

A GAO Perspective of EPA's Air Toxics Strategy and Resources

Author(s): WF McGee

Annual Conference: 1992, Vol. 4

Paper ID: 92-139.03

The EPA's Control Technology Center: Technical Support to Federal, State and Local Agencies

Author(s): CH Darvin

Annual Conference: 1992, Vol. 4

Paper ID: 92-139.04

Air Toxics Modeling, Assessment and Control: R&D Initiatives at the Air Force Civil Engineering Laboratory

Author(s): MT Moss

Annual Conference: 1992, Vol. 4

Paper ID: 92-139.05

Update on the DOD Clean Air Act Cost of Compliance Study

Author(s): MJ Stunder, di Pelton, SJ Ryckman, Jr.

Annual Conference: 1992, Vol. 4

Paper ID: 92-139.06

Environmental Benefits of Energy Conservation

Author(s): MJ Savole

Annual Conference: 1992, Vol. 4

Paper ID: 92-139.08

Cost Effective Hazardous Waste Minimization By Minimizing Hazardous Material Usage

Author(s): EC Bishop, BD McCarty Annual Conference: 1992, Vol. 4

Paper ID: 92-139.09

Department of Defense/U.S. Army Compliance Programs in Response to the Clean Air Act Amendments of 1990

Author(s): MG Elliott

Annual Conference: 1992, Vol. 4

Paper ID: 92-139.10

The HAZWRAP/Navy Radon Project

Author(s): JA Otten, DL Wilson Annual Conference: 1992, Vol. 4

Paper ID: 92-139.11

Comprehensive Emissions Inventories for Industrial Facilities

Author(s): LA Kuhn, EN Ruddy Annual Conference: 1992, Vol. 4

Paper ID: 92-139.12

Headquarters Air Force Materiel Command Strategy for Air Toxics Inventory and Hazardous Material Tracking and Control

Author(s): J Joyce

Annual Conference: 1992, Vol. 4

Paper ID: 92-139.13

Ambient Air Impact of Mount Pinatubo Eruptions-Collection Strategy Progress to Date

Author(s): DJ Cook, BC Henderson Annual Conference: 1992, Vol. 4

Paper ID: 92-139.14

Using a flame Ionization Detector (FID) To Continuously Measure Toxic Organic Vapors in a Paint Spray Booth

Author(s): JK Whitfield, GB Howe, BA Pate

Annual Conference: 1992, Vol. 4

Paper ID: 92-139.15

Assessment of Potential Cost Impacts of the Clean Air Act Amendments of 1990 on U.S. Army Facilities

Author(s): MR Kemme, MG Elliot Annual Conference: 1992, Vol. 4

Paper ID: 92-139.16

Industrial Process Surveys and Material Substitution for Compliance with Air Toxic Minimization Objectives

Author(s): NJ Schesventer Annual Conference: 1992, Vol. 4

Paper ID: 92-139.17

Full-Scale Laboratory Simulation Facility to Test Particulate and Organic Emissions from a Third World Residential Combustion Process

Author(s): DB Harris, df Natschke, RS Chapman

Annual Conference: 1992, Vol. 11

Paper ID: 92-141.01

Full-Scale Laboratory Simulation Facility to Test Particulate and Organic Emissions from a Third World Residential Combustion Process. 11 Simultaneous GC/MS/FID Analysis of Tenax Samples

Author(s): DF Natschke, JV Ryan, DB Harris

Annual Conference: 1992, Vol. 11

Paper ID: 92-141.02

Full-Scale Laboratory Simulation Facility to Test Particulate and Organic Emissions from a Third World Residential Combustion Process. 111 Evaluation of a Potential Technique for the Control

Author(s): CC Lutes, JV Ryan, DB Harris

Annual Conference: 1992, Vol. 11

Paper ID: 92-141.03

The IGAC Activity for the Development of Global Emissions Inventories Description and Initial Results

Author(s): CM Benkovitz, TE Graedel Annual Conference: 1992, Vol. 11

Paper ID: 92-142.01

Methane Reduction in the Gas Transportation System

Author(s): T Veenstra, P Coors, RJ van Rosmalen

Annual Conference: 1992, Vol. 11

Paper ID: 92-142.02

Inventory of Methane Losses from the Natural Gas Industry

Author(s): MV Campbell, LM Campbell, CE Burklin

Annual Conference: 1992, Vol. 11

Paper ID: 92-142.03

Measurement of Methane Emission Rates from Natural Gas Systems Using a Tracer Flux Approach

Author(s): B Lamb, G Allwine, L Bamesberger

Annual Conference: 1992, Vol. 11

Paper ID: 92-142.04

National Estimate of Methane Emissions from Compressors in the U.S. Natural Gas Industry

Author(s): DL Jones, LM Campbell, CE Burklin

Annual Conference: 1992, Vol. 11

Paper ID: 92-142.05

Methane Emissions from the Natural Gas Industry:

Production and Transmission Emissions

Author(s): KE Hummel, mr Harrison Annual Conference: 1992, Vol. 11

Paper ID: 92-142.06

Emission Trends in Portugal: A Global Perspective

Author(s): MS Coutinho, AI Miranda, CS Borrego

Annual Conference: 1992, Vol. 11

Paper ID: 92-142.08

Projected Health Effects associated with Air Pollution from the Kuwait Oil Fires

Author(s): H Ozkaynak

Annual Conference: 1992, Vol. 7

Paper ID: 92-143.06

Assessment of technologies for the Remediation of Oil-Contaminated Soil resulting from Exploded Oil Wells and Burning Oil Fires in Kuwait Nader M

Author(s): A Awadhi, W Kenneth, MS Abdal

Annual Conference: 1992, Vol. 7

Paper ID: 92-143.08

Energy Use in Road Transportation in Japan-Contribution of Automobiles in Global Warming

Author(s): K Minato, T Ayusawa Annual Conference: 1992, Vol. 7

Paper ID: 92-144.01

Odorous Hydrocarbon Emissions from Aircraft

Author(s): RJ Rossi

Annual Conference: 1992, Vol. 7

Paper ID: 92-144.02

The Tokyo Studies of Automobile Exhaust and Respiratory Health

Author(s): H Nitta, M Ono, S Nakai Annual Conference: 1992, Vol. 7

Paper ID: 92-144.05

Estimation of Carbon Monoxide Exposures and Associated Carboxyhemoglobin Levels in Denver Resident Using a Probabilistic Version of NEM

Author(s): TR Johnson, JE Capel, L Wijnberg

Annual Conference: 1992, Vol. 7

Paper ID: 92-145.01

Development of a Sampler for Carbon Monoxide in Expired Air

Author(s): K Lee, Y Yanagisawa Annual Conference: 1992, Vol. 7

Paper ID: 92-145.03

Common Household Products as Sources of Interference in the Electrochemical Detection of Carbon Monoxide:

Problem Identification and Resolution

Author(s): AL Wilson, SD Colome, M Kleinman

Annual Conference: 1992, Vol. 7

Paper ID: 92-145.05

Blood Cadmium Levels in Children Exposed to Non-Ferrous Smelting Operations Emissions-A Retrospective and Challenge

Author(s): CD Wolbach

Annual Conference: 1992, Vol. 7

Paper ID: 92-146.01

Nasal Cytology in Southwest Metropolitan Mexico City Inhabitants

Author(s): LC Garciduenas, AH Martinez, HA Bravo

Annual Conference: 1992, Vol. 7

Paper ID: 92-146.02

Quantitative Cancer Risk Assessment for the Exposure of Ethylene Dibromide from Gasoline Station

Author(s): CC Lee, FT Jeng Annual Conference: 1992, Vol. 7

Paper ID: 92-146.03

Acute Health Effects associated with VOCs in Kanawha Valley

Author(s): JD Spengler, H Ozaynak, M Schwab

Annual Conference: 1992, Vol. 7

Paper ID: 92-146.04

The Relationship between Hospital Admissions and Ambient Air Pollution

Author(s): TR Burnett, RE Dales, ME Raizenne

Annual Conference: 1992, Vol. 7

Paper ID: 92-146.05

IAF Study on the Evaluation of the Potential

Carcinogenicity of 60 Hz Magnetic Fields in F334 Rats

Author(s): R Mandeville

Annual Conference: 1992, Vol. 7

Paper ID: 92-147.01

Electromagnetic Fields--A Review of Regulatory and Legislative Activities in the U.S.

Author(s): BK Jensen

Annual Conference: 1992, Vol. 7

Paper ID: 92-147.02

Personal 24 Hour Magnetic Field Exposures

Author(s): Im Gillette, D Hill Annual Conference: 1992, Vol. 7

Paper ID: 92-147.03

A New York Response to the Need for More Understanding about Electric and Magnetic Fields

Author(s): TJ Driscoll

Annual Conference: 1992, Vol. 7

Paper ID: 92-147.04

The Process of Consensus on EMF: SAB Review of the EPA Draft Document

Author(s): B Wilson

Annual Conference: 1992, Vol. 7

Paper ID: 92-147.05

ELF Electric and Magnetic Fields: Pacific Northwest Laboratory

 $Author(s){:}\ LE\ Anderson$

Annual Conference: 1992, Vol. 7

Paper ID: 92-147.06

Extremely Low Frequency (ELF) Magnetic Field Measurement and Human Health Assessment

Author(s): PN Breysse, GM Matanoski, E Elliott

Annual Conference: 1992, Vol. 7

Paper ID: 92-147.07

Health-Based Approaches in Regulatory Development Under RCRA

Author(s): SM Beaulieu, ME Deerhake, TK Pierson

Annual Conference: 1992, Vol. 7

Paper ID: 92-149.01

Evaluation of the CAPCOA Health Risk Assessment Guidelines and Risk Reduction Strategy

Author(s): WW Simmons, PC Hobson, KH Jones

Annual Conference: 1992, Vol. 7

Paper ID: 92-149.02

Health Risk Reduction Based on Monte Carlo Simulation and Air Dispersion Modeling at a Chemical Processing Facility

Author(s): WW Li, MJ Firth, RH Harris

Annual Conference: 1992, Vol. 7

Paper ID: 92-149.03

Risk Assessments and Municipal Landfill Legislation

Author(s): A van der Vooren, BA Mills

Annual Conference: 1992, Vol. 7

Paper ID: 92-149.06

The Analysis of Indirect Exposures to Toxic Air Pollutants Emitted from Stationary Combustion Sources: A Case Study

Author(s): DH Cleverly, CC Travis, GE Rice

Annual Conference: 1992, Vol. 7

Paper ID: 92-149.07

The Use of Municipal Solid Waste Landfills as Biochemical Reactor

Author(s): RE Landreth

Annual Conference: 1992, Vol. 9

Paper ID: 92-15.01

Critical Engineering Issues for Landfills

Author(s): PP Stecker, AE Ereckson Annual Conference: 1992, Vol. 9

Paper ID: 92-15.02

Overview and Implications of U.S. Sanitary Landfill Practice

Author(s): RK Ham

Annual Conference: 1992, Vol. 9

Paper ID: 92-15.04

Formaldehyde Contaminated Fog Effects on Plant Growth

Author(s): JR Barker, RA Shimabuku Annual Conference: 1992, Vol. 7

Paper ID: 92-150.01

Assessing the Effects of Ozone on Plants: Use and Misuse of Ethylenediurea (EDU)

Author(s): WJ Manning

Annual Conference: 1992, Vol. 7

Paper ID: 92-150.02

Effects of Ambient ozone Concentrations on Mature Eastern Hardwood Trees Growing in Great Smoky Mountains National Park and Shenandoah National Park

Author(s): AH Chappelka, E Hildebrand, JM Shelly

Annual Conference: 1992, Vol. 7

Paper ID: 92-150.04

The Effects of Air Pollutants on Wildlife and Implications in Class 1 Areas

Author(s): TG Maniero

Annual Conference: 1992, Vol. 7

Paper ID: 92-150.05

The Attributes of Experts Selected to Assess Crop Losses from Ozone

Author(s): GL Brown, VC Runeckles Annual Conference: 1992, Vol. 7

Paper ID: 92-150.06

Hanford Washington: Monitoring to Assess the State of the Environment

Author(s): RH Gray

Annual Conference: 1992, Vol. 7

Paper ID: 92-151.01

Quantitative Ecological Risk Assessment and Multi-Media Sampling at a Superfund Site in Puerto Rico

Author(s): D Lipsky

Annual Conference: 1992, Vol. 7

Paper ID: 92-151.02

Innovative Odor Control at the Blue River Secondary Facilities in Kansas City, Missouri

Author(s): ML Harding, GP Van Durme Annual Conference: 1992, Vol. 4

Paper ID: 92-152.05

Establishing Odor Control Requirements by Odor Dispersion Modeling

Author(s): RA Duffee, MA O'Brien Annual Conference: 1992, Vol. 1B

Paper ID: 92-153.01

A Conversion Scheme for the Eisc Model in Odor Modeling

Author(s): SS Cha, Z Li, KE Brown Annual Conference: 1992, Vol. 1B

Paper ID: 92-153.02

Atmospheric Dispersion Model for Odors

Author(s): G Gruwell, S Goldenberg Annual Conference: 1992, Vol. 1B

Paper ID: 92-153.03

The Use of Modeling in Evaluating and Mitigating Odor Impact in Communities

Author(s): PG Diosey, ME Hess, KL Nicolson

Annual Conference: 1992, Vol. 1B

Paper ID: 92-153.04

Test Protocol and Certification Listing Program for Oil Spill Sorbents

Author(s): DWA Cooper, S Alarakhia Annual Conference: 1992, Vol. 6

Paper ID: 92-154.01

Remote Location Spill Response System

Author(s): TE Camlin

Annual Conference: 1992, Vol. 6

Paper ID: 92-154.03

Oil Spill Response Planning under the Oil Pollution Act of 1990

Author(s): JE Lees

Annual Conference: 1992, Vol. 6

Paper ID: 92-154.04

Atmospheric Modeling of the July 1991 Metam Sodium Spill into California's Upper Sacramento River

Author(s): RL Baskett, JS Nasstrom, JJ Watkins

Annual Conference: 1992, Vol. 1B

Paper ID: 92-155.01

A Comparative Study of Source Term Parameters and Vapor Cloud Dispersion during Accidental Release of Liquid and Gaseous Chlorine from a On-Ton Container

 $\hbox{Author(s):}\ K\ Nand,\ BI\ Loran,\ AL\ Marfori$

Annual Conference: 1992, Vol. 1B

Paper ID: 92-155.03

Validation of Nonideal Multicomponent Evaporation Model with Aqueous Formalin Solution

Author(s): JL Frie, V Diaz, JJ Kives Annual Conference: 1992, Vol. 1B

Paper ID: 92-155.04

Characterizing Source Strength, Dimensions and Associated Dispersion Modeling for a Hypothetical Catastrophic Release of Anhydrous Ammonia

Author(s): DR Guido, JLM Koehler Annual Conference: 1992, Vol. 1B

Paper ID: 92-155.05

Source Characterization-A Major Challenges in Risk

Assessments for Accidental Releases
Author(s): MT Mills, KC Walker

Author(s): MT Mills, KC Walker Annual Conference: 1992, Vol. 1B

Paper ID: 92-155.07

Similarity Scaling of Droplet Evaporation and Liquid rain-Out following the Release of a Superheated Flashing Liquid to the Environment

Author(s): GE DeVaull, JA King Annual Conference: 1992, Vol. 1B

Paper ID: 92-155.08

Simulation of Vapor Emissions from Liquid Spills

Author(s): TA Cavanaugh, HJH Siegell, KW Steinberg

Annual Conference: 1992, Vol. 1B

Paper ID: 92-155.09

The Integration of Onsite and Offsite Emergency Planning for Technological Hazards: A Comparison of Federal Criteria and Guidance

Author(s): TE Baldwin, WR Gasper Annual Conference: 1992, Vol. 6

Paper ID: 92-156.01

A Comprehensive Approach to Spill Response, Prevention and Contingency Planning

Author(s): JC Ramsey

Annual Conference: 1992, Vol. 6

Paper ID: 92-156.02

A Summary of Findings from Vulnerability Analyses for SARA Title 111 Community Right-to-Know Case Studies

Author(s): DG Smith, KC Walker Annual Conference: 1992, Vol. 6

Paper ID: 92-156.04

Progress & Direction of the EPA Accident Prevention Program

Author(s): LD Helsing

Annual Conference: 1992, Vol. 6

Paper ID: 92-156.06

Considering Whole Systems When Estimating the Health Risks and Benefits of Pesticides: A Case Study of EBDCs in Apples

Author(s): DR Cooley, WJ Manning Annual Conference: 1992, Vol. 7

Paper ID: 92-157.01

Monitoring of Selected Pesticides in Ontario

Author(s): NW Reid, MN Shackleton, DB Orr

Annual Conference: 1992, Vol. 7

Paper ID: 92-157.02

Use of Indicator Plants in a Biological Based System to Detect and Track Airborne Herbicides

Author(s): KA Khatib, GI Mink, G Reisenauer

Annual Conference: 1992, Vol. 7

Paper ID: 92-157.03

Examples of Housing Affected by Gas Migration from Hazardous Lands

Author(s): D Fugler, M Adomait, CM Soroczan

Annual Conference: 1992, Vol. 9

Paper ID: 92-16.02P

Potential Greenhouse Gas Emissions from Disposal of MSW in Sanitary Landfills vs. Waste-to-Energy Facilities

Author(s): HF Taylor

Annual Conference: 1992, Vol. 9

Paper ID: 92-16.05P

Sanitary Landfill Decomposition in Integrated Waste Management

Author(s): M Kinman, DL Nutini Annual Conference: 1992, Vol. 9

Paper ID: 92-16.06P

Turning Landfill Gas Collection Systems for Optimal Energy Recovery and Environmental Compliance

Author(s): WF Louis

Annual Conference: 1992, Vol. 9

Paper ID: 92-16.07P

Cellulose Decomposition in Sanitary Landfills

Author(s): JA Strinson, RK Ham Annual Conference: 1992, Vol. 9

Paper ID: 92-16.09P

Development of a "No Net Increase" New Source Review Regulation in the Bay Area

Author(s): PA Hess, KL Kurucz, AR Stankunas

Annual Conference: 1992, Vol. 13

Paper ID: 92-161.01

The New Outer Continental Shelf Air Regulations: Overview and Implementation

Author(s): AL Bird, GL Vagenas, KA Fortin

Annual Conference: 1992, Vol. 13

Paper ID: 92-161.02

Development of a Methodology to Assess the Potential Economic Impacts of New Source Review Regulations

Author(s): HJ Diaz-Flores, MR Jaske, TN Tutt

Annual Conference: 1992, Vol. 13

Paper ID: 92-161.03

New Source Review Regulations of Air Pollution Control Districts in California

Author(s): AS Bining, TN Tutt, MR Jaske Annual Conference: 1992, Vol. 13

Paper ID: 92-161.04

Small Business and the Clean Air Act-Boon or Bane?

Author(s): GW Siple

Annual Conference: 1992, Vol. 13

Paper ID: 92-161.06

Variability of Superfund Risk Assessment Associated with Exposure Factors

Author(s): PA Brush

Annual Conference: 1992, Vol. 16

Paper ID: 92-162.01

The Increasing Importance of Risk Assessment and Management in Environmental Decision-Making

Author(s): JA Jaksch

Annual Conference: 1992, Vol. 16

Paper ID: 92-162.02

Balancing Risks: Ethical Issues in Risk Assessment

Author(s): J Longstreth

Annual Conference: 1992, Vol. 16

Paper ID: 92-162.04

Analysis of Revisions to the Hazard Issues in Ranking Assessment

Author(s): S Wells

Annual Conference: 1992, Vol. 16

Paper ID: 92-162.05

Everything's A Hazardous Substance-Is There Any Limit to Superfund Liability?

Author(s): DG Ries, PG Veeder Annual Conference: 1992, Vol. 13

Paper ID: 92-163.01

Municipal Liability Under CERCLA: Are Municipalities Paying Their Fair Share?

Author(s): EL Hagstrom

Annual Conference: 1992, Vol. 13

Paper ID: 92-163.02

Private Party Cleanups-Should We or Shouldn't We

Author(s): JL Greenthal

Annual Conference: 1992, Vol. 13

Paper ID: 92-163.03

Insurance Issues: Changing Coverage and its Effects on Responsibility, Liability and Cleanup

Author(s): DL Cook, AD Hymes Annual Conference: 1992, Vol. 13

Paper ID: 92-163.04

CERCLA Natural Resource Damage Suits: A New Wave in Superfund Enforcement

Author(s): PW Dennis, HE Heide, MC Weiss

Annual Conference: 1992, Vol. 13

Paper ID: 92-163.05

Establishing Environmental Priorities in Ostrava, Czechoslovakia and Katowice, Poland

Author(s): DA Sullivan

Annual Conference: 1992, Vol. 11

Paper ID: 92-164.01

Evaluation of Toxic Air Pollutants in Chernivtsi, Ukraine

Author(s): PA Scheff, RA Wadden, KL Ticho

Annual Conference: 1992, Vol. 11

Paper ID: 92-164.02

The Krakow Clean Fossil Fuels and Energy Efficiency Project

Author(s): DF Gyorke, MB Blinn, TA Butcher

Annual Conference: 1992, Vol. 11

Paper ID: 92-164.03

Air Pollution Source Apportionment in Budapest

Author(s): M Javor, RA Wadden, PA Scheff

Annual Conference: 1992, Vol. 11

Paper ID: 92-164.04

Environmental Transformation in Central and Eastern Europe

Author(s): SR Wassersug

Annual Conference: 1992, Vol. 11

Paper ID: 92-164.05

High Priority Environmental Problems in Romania

Author(s): M Cucu

Annual Conference: 1992, Vol. 11

Paper ID: 92-164.06

WHO-EURO Environmental Health Activities in Central and Eastern Europe

Author(s): HW Wyes, CA van der Heijden

Annual Conference: 1992, Vol. 11

Paper ID: 92-164.07

The Utilization of Pollution Prevention Programs and Technology for Industrial Growth Environmental Planning Policies in Developing Countries

Author(s): J Laznow, AN Patkar Annual Conference: 1992, Vol. 15

Paper ID: 92-165.01

Reactive VOC Inventory for Mexico City. A Needed Tool to Design Ozone Control Strategies

Author(s): HA Bravo, RJ Torres, RE Sosa

Annual Conference: 1992, Vol. 15

Paper ID: 92-165.03

Economic Policy Energy Markets and Pollution Control in the Developing Countries

Author(s): RW Bates

Annual Conference: 1992, Vol. 15

Paper ID: 92-165.05

An Overview of U.S. Mexico Border Air Activities Scheduled Through the Integrated Border Environmental Plan

Author(s): AS Meiburg, RG Garcia, DP Howekamp

Annual Conference: 1992, Vol. 15

Paper ID: 92-165.07

Risk Assessment at Contaminated Sites North of the 49th Parallel

Author(s): WB Kindzierski, DW Rector Annual Conference: 1992, Vol. 16

Paper ID: 92-166.01

Risk Characterization at the Mid-America Tanning Site: The Basic for Further CERCLA Actions

Author(s): JE Storm, MJ Weitzman, JR Biesma

Annual Conference: 1992, Vol. 16

Paper ID: 92-166.02

Use of Quantitative Uncertainty Analysis in Air Toxics Risk Assessment

Author(s): TL Copeland, AM Holbrow, K Connor

Annual Conference: 1992, Vol. 16

Paper ID: 92-166.04

Case Study Coordinating Human Health Risk Assessment at 22 Former Manufactured Gas Plant Sites

Author(s): NI Hendrickson, LS Dumas Annual Conference: 1992, Vol. 16

Paper ID: 92-166.05

Impact of Various Assumptions and Models for an AB2588 Risk Assessment for the Encina Power Station

Author(s): KB Gratt, HK Bishop Annual Conference: 1992, Vol. 16

Paper ID: 92-166.06

California Hot Spots: A Tale of Two Facilities

Author(s): CA Lapin, M Lev-On Annual Conference: 1992, Vol. 16

Paper ID: 92-166.08

Results from California's Air Toxics "Hot Spots" Program

Author(s): RN Hazelwood Annual Conference: 1992, Vol. 13

Paper ID: 92-167.01

The Air Toxics Problem in California: A Summary of CARB, BAAOMD and SCAOMD Ambient Air Monitoring

Author(s): FI Cooper, JL Reisman Annual Conference: 1992, Vol. 13

Paper ID: 92-167.03

Maryland Air Toxics Regulation Applicable to a Natural Gas **Compressor Station**

Author(s): HA Weidemann, PM Hoffman Annual Conference: 1992, Vol. 13

Paper ID: 92-167.04

The Effectiveness of the California Low-Emission Vehicle **Program**

Author(s): S Albu, 1 Kao, T Cackette Annual Conference: 1992, Vol. 13

Paper ID: 92-168.01

Adopting the California Motor Vehicle Program in the Northeast States

Author(s): MA Mullen, JH Wilson, KG Duleep

Annual Conference: 1992, Vol. 13

Paper ID: 92-168.02

Benefits and Costs of States Adopting the California Low Emission Vehicle Program

Author(s): SA Leonard, TL Darlington, JM Heuss

Annual Conference: 1992, Vol. 13

Paper ID: 92-168.04

Environmental Education--Recommendations for the 1990s and Beyond

Author(s): BK Jensen, RA Jensen Annual Conference: 1992, Vol. 12

Paper ID: 92-169.02

California Air Resources Board's Public Education Program: Evolving Partnerships for the 1990s

Author(s): CW Brink

Annual Conference: 1992, Vol. 12

Paper ID: 92-169.03

Training for Air Pollution Permit Activities

Author(s): LH Stander, Jr.

Annual Conference: 1992, Vol. 12

Paper ID: 92-169.04

The HAZWRAP Environmental Management Associate

Author(s): AV Cooter, RJ Borkowski, AB Zimmerman

Annual Conference: 1992, Vol. 12

Paper ID: 92-169.05

Assuring Quality in Environmental Training

Author(s): RA Schueler, JC Krupnick Annual Conference: 1992, Vol. 12

Paper ID: 92-169.07

Pollution Prevention Environmental Education Resource Materials and Teacher Training

Author(s): R Michaels, AL Wehmeyer Annual Conference: 1992, Vol. 12

Paper ID: 92-169.08

Environmental Education and The Air Force Institute of **Technology**

Author(s): P Kokoropoulos Annual Conference: 1992, Vol. 12 Paper ID: 92-169.09

Tracking Progress with Recycling via Waste Composition **Analysis**

Author(s): JF Williams

Annual Conference: 1992, Vol. 9

Paper ID: 92-17.02

Life Cycle Assessment: A Tool for Addressing **Environmental Problems**

Author(s): TJ Ream

Annual Conference: 1992, Vol. 9

Paper ID: 92-17.04

Public Involvement in the Hanford Double-Shell Tank Waste Disposal Program

Author(s): MB Triplett, VL Hunter Annual Conference: 1992, Vol. 16

Paper ID: 92-171.01

Using Facilitators in Community Relations

Author(s): PA Bowman

Annual Conference: 1992, Vol. 16

Paper ID: 92-171.02

Are the Policy-Makers Listening?

Author(s): VR Albush, DJL Johnston Annual Conference: 1992, Vol. 16

Paper ID: 92-171.03

Public Trust and Facility Siting

Author(s): MA Poulson, E DeArmon Annual Conference: 1992, Vol. 16

Paper ID: 92-171.04

Federal Environmental Policy: The Role of Native American

Author(s): ST Watts

Annual Conference: 1992, Vol. 16

Paper ID: 92-171.05

Collaborative Solutions to Air and Hazardous Waste Management Issues

Author(s): RL Cook

Annual Conference: 1992, Vol. 16

Paper ID: 92-171.06

Community Advisory Panels: Changing Relationships between Industry and the Public

Author(s): DB Sheridan

Annual Conference: 1992, Vol. 16

Paper ID: 92-171.07

Planning and Implementing Effective Community Relations Programs for Hazardous Waste Projects

Author(s): LL Jameson

Annual Conference: 1992, Vol. 16

Paper ID: 92-171.08

Public Participation and Education Under the Federal PCB Destructure Program

Author(s): JC Hilborn

Annual Conference: 1992, Vol. 16

Paper ID: 92-171.09

Public Participation in Low-Level Radioactive Waste Disposal Decisions

Author(s): RF Paton

Annual Conference: 1992, Vol. 16

Paper ID: 92-171.10

Public Involvement in Air Quality Regulation: Perspectives from a Small, Rural District

Author(s): G Facca

Annual Conference: 1992, Vol. 16

Paper ID: 92-171.11

Communication and Conflict Resolution in Siting a Solid Waste Facility

Author(s): T Kusterer

Annual Conference: 1992, Vol. 16

Paper ID: 92-171.12

Developing a Process to Deal Constructively with Conflict

Author(s): EW Winsor

Annual Conference: 1992, Vol. 16

Paper ID: 92-172.03

Environmental Community Outreach

Author(s): CP Veleta

Annual Conference: 1992, Vol. 16

Paper ID: 92-172.04

Environmental Education in Southern California: The Think Earth Program

Author(s): BL Page

Annual Conference: 1992, Vol. 16

Paper ID: 92-172.05

Environmental Education through Public Outreach and Involvement

Author(s): RH Gray

Annual Conference: 1992, Vol. 16

Paper ID: 92-172.06

Classroom Instruction in Air Quality Principles

Author(s): SM Larson, MJ Rood Annual Conference: 1992, Vol. 16

Paper ID: 92-172.07

Integrating TQM into Environmental Restoration Projects

Author(s): JA Caldwell, AB Quinlan Annual Conference: 1992, Vol. 12

Paper ID: 92-174.01

TQM Applications to Environmental Problems

Author(s): JS Rickun, RP Fish Annual Conference: 1992, Vol. 12

Paper ID: 92-174.02

Total Quality Management in an Environmental Services Organization-Dispatches from the Front Lines

Author(s): JD Hill

Annual Conference: 1992, Vol. 12

Paper ID: 92-174.03

Streamlining the LUST Corrective Action Process-Using **Total Quality Management**

Author(s): RT Eades, L Dail Annual Conference: 1992, Vol. 12

Paper ID: 92-174.04

Fast Time-to-Market and Total Quality Management: Friends to Enemies?

Author(s): WW Rawstron

Annual Conference: 1992, Vol. 12

Paper ID: 92-174.07

Equity Dilemmas Associated with Command and Control and Market-Based Approaches to Air Pollution Control

Author(s): R Guensler

Annual Conference: 1992, Vol. 13

Paper ID: 92-176.01

Nontraditional Economic Incentive Mechanisms for **Pollution Control**

Author(s): RC Anderson

Annual Conference: 1992, Vol. 13

Paper ID: 92-176.04

Economic Incentives Under the New Clean Air Act

Author(s): BS Elman, T Tyler, M Doonan

Annual Conference: 1992, Vol. 13

Paper ID: 92-176.05

The Paper Trail: A Look at Shipping Technologies and Their Impact on Wastepaper Recycling

Author(s): JR Dunham

Annual Conference: 1992, Vol. 9

Paper ID: 92-18.01

Newark, New Jersey Adopts "Buy Recycled" Procurement **Policy**

Author(s): F Sudol

Annual Conference: 1992, Vol. 9

Paper ID: 92-18.02

The Art of the Possible: Identifying and Overcoming Barriers to Recycling in New York City Schools

Author(s): C Steatt

Annual Conference: 1992, Vol. 9

Paper ID: 92-18.03

Test Results from the Pittsburgh One Bag Recycling **Program**

Author(s): JF Williams

Annual Conference: 1992, Vol. 9

Paper ID: 92-18.05

Plastics Recycling: The Future

Author(s): W Pearson

Annual Conference: 1992, Vol. 9

Paper ID: 92-18.06

Implementing Apartment Recycling in Hennepin County

Author(s): C Truth

Annual Conference: 1992, Vol. 9

Paper ID: 92-18.07

Flue Gas Desulfurization Information System-PC Version

Author(s): A Jones, R McKibben, S Hance

Annual Conference: 1992, Vol. 3

Paper ID: 92-180.03P

Analytical Method for Planar PCBs

Author(s): BJ Fairless, DP Miller, H Kimball

Annual Conference: 1992, Vol. 8B

Paper ID: 92-180.05P

Human Factors Considerations at the Cryofracture Incineration Demonstration Plant

Author(s): RA Jensen

Annual Conference: 1992, Vol. 10

Paper ID: 92-180.08P

Establishing a Waste Minimization Communication Program in a Research and Development Laboratory

Author(s): MA Sands

Annual Conference: 1992, Vol. 15

Paper ID: 92-180.11P

Comparative Testing of Tedlar Bag and Canister as Sample Collection Media for Toxic Air Contaminants and an Annual; Review of the Accuracy and Precision of Selected Toxic Compounds

Author(s): MJ Shah

Annual Conference: 1992, Vol. 2B

Paper ID: 92-180.12P

New Technique for ON-Line Continuous Monitoring VOC in Water

Author(s): SJ Staphanos

Annual Conference: 1992, Vol. 8B

Paper ID: 92-180.31P

On-Site Detection of PCBs Using an Immunoassay; Demonstration Data from a Large, Complex Site

Author(s): KR Carter, JP Mapes Annual Conference: 1992, Vol. 8B

Paper ID: 92-180.33P

Temperature Effects on the Flexural Properties of Comingled Recycled Plastic Lumber

Author(s): DN Rackmales

Annual Conference: 1992, Vol. 10

Paper ID: 92-180.36P

Emission Guidelines for New Municipal Solid Waste

Incinerators-California Update Author(s): JE Fischer, JR. RJ Pasek

Annual Conference: 1992, Vol. 10

Paper ID: 92-19.01

Medical Waste Management in Wisconsin

Author(s): J Heinrich, M Oswald Annual Conference: 1992, Vol. 9

Paper ID: 92-2.03

Alternative Treatment Technologies for Medical Waste Disposal

Author(s): M Traister, JP Webster Annual Conference: 1992, Vol. 9

Paper ID: 92-2.04

The Results of EPA's Emission Test Program to Support the New Source Performance Standard for Medical Waste Incinerators

Author(s): MB Turner, DD Wallace, RM Neulicht

Annual Conference: 1992, Vol. 9

Paper ID: 92-2.06

Medical Waste Streams and Emissions of Three Minnesota Hospital Incinerators

Author(s): PJ Torkelson

Annual Conference: 1992, Vol. 9

Paper ID: 92-2.07

Current and Future Trends Management of Medical and Infectious Wastes

Author(s): WB Lindsey, J Davidson Annual Conference: 1992, Vol. 9

Paper ID: 92-2.08

Strategies for Acceptance Improvement of Waste to Energy and Power Plants in Italy

Author(s): R Poti, G Maraniello Annual Conference: 1992, Vol. 9

Paper ID: 92-20.04

Technology and Policy of Waste Management

Author(s): F Kreith

Annual Conference: 1992, Vol. 9

Paper ID: 92-20.07

Technical Approach for Fly Ash Stabilization in Japan

Author(s): Y Wakamura, K Nakzato Annual Conference: 1992, Vol. 9

Paper ID: 92-20.08

Assessment of Rural Waste-to-Energy Alternatives

Author(s): AF Halaby, GA Neely, SM Garnett

Annual Conference: 1992, Vol. 9

Paper ID: 92-20.09

Aerobic Degradation of Municipal Solid Waste

Author(s): RJ Murphy, TJ Brennan Annual Conference: 1992, Vol. 9

Paper ID: 92-21.01

Municipal Solid Waste Composing Looking After the Community's Interests

Author(s): JF Williams

Annual Conference: 1992, Vol. 9

Paper ID: 92-21.03

Solid Waste Compost Standards

Author(s): DA Dorau

Annual Conference: 1992, Vol. 9

Paper ID: 92-21.04

Results of a Statistical Test Program to Assess Flue-Gas Recirculation at the South East Resource Recovery Facility (SERRF)

Author(s): J Colannino

Annual Conference: 1992, Vol. 9

Paper ID: 92-22.01

Resource Recovery Using Mixed Waste Processing Technology

Author(s): GM Savage

Annual Conference: 1992, Vol. 9

Paper ID: 92-22.02

Alternatives to Landfilling of Municipal Solid Waste

Author(s): FB Richerson

Annual Conference: 1992, Vol. 9

Paper ID: 92-22.05

Dioxin/Furan Removal: Negative Efficiency Behavior Causes and Effects

Author(s): BJ Lerner

Annual Conference: 1992, Vol. 9

Paper ID: 92-23.01

Effect of Waste Stream Modification and Other Factors on Ground Level Concentrations Resulting from Medical Waste Incineration Compared with Acceptable Air Quality

Author(s): F Hasselriis, R Kasinathan Annual Conference: 1992, Vol. 9

Paper ID: 92-23.03

Experiences with the Development and Implementation of an Integrated Medical Waste Management System

Author(s): MM Bulley

Annual Conference: 1992, Vol. 9

Paper ID: 92-23.04

Modeling the Combustion of Municipal Solid Waste: Influence of Recycling on Heat Content and Emissions of SO, HCI and Particulate Material

Author(s): MJ Rood, RE Simek Annual Conference: 1992, Vol. 9

Paper ID: 92-24.01

Solid Waste: Addressing the Issues with an Integrated Approach

Author(s): LA Lawrence Annual Conference: 1992, Vol. 9

Paper ID: 92-24.03

Integrated MSW Planning and Decision-making in New York City The Citizen's Alternative Plan

Author(s): MJ Clarke

Annual Conference: 1992, Vol. 9

Paper ID: 92-24.05

RDF Test Burns at a Steam Boiler

Author(s): GW Culkin, JM Marchello Annual Conference: 1992, Vol. 9

Paper ID: 92-24.06

Waste Management and Treatment or Disguised Disposal?

Author(s): DA Drum, JD Lauber Annual Conference: 1992, Vol. 9

Paper ID: 92-24.07

Treatment of Arsenic Trisulfide Waste by Chemical Fixation

Author(s): PR Lear, JR Conner Annual Conference: 1992, Vol. 8A

Paper ID: 92-25.02

Biologically Enhanced Removal of Mercury from Contaminated Soil

Author(s): CL Hansen, DK Stevens, S Zhang

Annual Conference: 1992, Vol. 8A

Paper ID: 92-25.03

Chemical Stabilization of Hazardous Metallic Wastes in Ferrous Melting Emissions Control Dusts

Author(s): JC Furness, Jr., DC Van Dyke Annual Conference: 1992, Vol. 8A

Paper ID: 92-25.05

Kinetic Data for Wet-Air Oxidation of Toluene

Author(s): AN Patkar, MB Foerst, D Timberlake

Annual Conference: 1992, Vol. 8A

Paper ID: 92-26.03

Recent Applications of Environment Canada's Mobile Enhanced Oxidation Unit

Author(s): LM Keller, D Reed Annual Conference: 1992, Vol. 8A

Paper ID: 92-26.04

UV Photolysis of PCB-Contaminated Soils

Author(s): ES Alperin, rd Gox, A Groen Annual Conference: 1992, Vol. 8A

Paper ID: 92-26.06

Comparison of GAC Adsorption, UV/Oxidation and Air Stripping for Remediation of Contaminated Groundwater

Author(s): PS Kodukula, CA Reifschneider

Annual Conference: 1992, Vol. 8A

Paper ID: 92-26.07

Onsite Pilot Testing of UV-Enhanced Oxidation and Chemical Oxidation by Fenton's Reagent

Author(s): JS Devine, HL Wieland Annual Conference: 1992, Vol. 8A

Paper ID: 92-26.08

UV/Oxidation of Petroleum Related Wastewaters

Author(s): WS Himebaugh Annual Conference: 1992, Vol. 8A

Paper ID: 92-26.09

Destruction of Organics in Gaseous Streams over UV-Excited Titania

Author(s): GB Raupp, CT Junio, RK Mallela

Annual Conference: 1992, Vol. 8A

Paper ID: 92-26.10

The Biological Treatment of Soils and Sludges

Author(s): RA Brown, T Hawke Annual Conference: 1992, Vol. 8A

Paper ID: 92-27.01

Performance Characteristics of a Two Stage Treatment System fro the Destruction of Hydrocarbons and Trichloroethylene in Groundwater

Author(s): BR Folsom, PR Kurisko, BD Ensley

Annual Conference: 1992, Vol. 8A

Paper ID: 92-27.02

Modeling the Beneficial Effects of Vegetation in the Management of Landfill Leachates

Author(s): JC Tracy, LE Erickson, J Shimp Annual Conference: 1992, Vol. 8A

Paper ID: 92-27.03

On-Site Bioeclamation of Creosote-Contaminated Soil at the Scott Lumber

Author(s): BA Morrison

Annual Conference: 1992, Vol. 8A

Paper ID: 92-27.04

Biodegradation Studies of Diesel-Contaminated Soils and High Chloride Sediments

Author(s): MB Schlauch, DC Clark Annual Conference: 1992, Vol. 8A

Paper ID: 92-27.05

Treatment of Fuel Product Contaminated Soil in a Cold Climate Using Composting Technology

Author(s): TJ Simpkin, D Walker, J Doesburg

Annual Conference: 1992, Vol. 8A

Paper ID: 92-27.06

Field Demonstration of PCB Degradation in Desert Soils Using White Rot Fungus

Author(s): DW Mills

Annual Conference: 1992, Vol. 8B

Paper ID: 92-28.01

SITE Demonstration of Slurry-Phase Biodegradation of PAH Contaminated Soil

Author(s): RF Lewis

Annual Conference: 1992, Vol. 8B

Paper ID: 92-28.02

Innovative Methods for Monitoring and Optimizing Bioremediation Systems

Author(s): ME Leavitt, J Sanseverino, KL Brown

Annual Conference: 1992, Vol. 8B

Paper ID: 92-28.03

Technological Requirements for the Maintenance of Specialized Cultures in Subsurface Environments: Complete Biodegradation of PCE

Author(s): A Vira, J Byrnes, S Fogel Annual Conference: 1992, Vol. 8B

Paper ID: 92-28.06

PAH Compound Transformation in Soil Composting Using White-Rot Fungus Phanerochaete Chyrsosporium- A Mathematical Model

Author(s): X Qiu, DK Stevens, MJ McFarland

Annual Conference: 1992, Vol. 8B

Paper ID: 92-29.01

Modeling the Effect of Mixtures of Toxic Organic Chemicals on the Kinetics of Anaerobic Acetogenesis and Methanogenesis

Author(s): MA Nelson, JC Young, HH Tabak

Annual Conference: 1992, Vol. 8B

Paper ID: 92-29.03

Kinetics of Biotransformation of Toxic Organic Compounds in Anaerobic Environments

Author(s): N Sathish, JC Young, HH Tabak

Annual Conference: 1992, Vol. 8B

Paper ID: 92-29.04

Development of Predictive Models for Structure Biodegradation Relationship with Respirometrically Derived Biodegradation Kinetics

Author(s): HH Tabak, R Govind Annual Conference: 1992, Vol. 8B

Paper ID: 92-29.05

Modeling of Acetoclastic Methanogenesis in Ethanol-Enriched Cultures under Toxic Conditions

Author(s): IS Kim, JC Young, HH Tabak Annual Conference: 1992, Vol. 8B

Paper ID: 92-29.06

Development of Biodegradation Kinetics for Mixed Substrates in Aerobic Systems

Author(s): R Govind, C Gao, HH Tabak Annual Conference: 1992, Vol. 8B

Paper ID: 92-29.07

Development of Methodology for Determining Bioavailability and Biodegradation Kinetics of Toxic Organic Compounds in Soil

Author(s): HH Tabak, R Govind, C Gao Annual Conference: 1992, Vol. 8B

Paper ID: 92-29.08

Movement and Fate of Agrichemicals in Field Soils: Characterization and Aquifer Contamination Potential

Author(s): M Sophocleous Annual Conference: 1992, Vol. 17

Paper ID: 92-3.01

Case Study of a Comprehensive Approach to Groundwater Contaminant Source Identification

Author(s): JE Norris

Annual Conference: 1992, Vol. 17

Paper ID: 92-3.03

Fate and Transport of Rthylene Dibromide in Soil and Groundwater Systems

Author(s): M Mehran

Annual Conference: 1992, Vol. 17

Paper ID: 92-3.04

The Use of an Observation Approach for Implementing a Groundwater Recovery System

Author(s): MM Corey, RL Lorey, MA Farmer

Annual Conference: 1992, Vol. 17

Paper ID: 92-3.06

Application of Immunoassay Technology to Environmental Field Analysis

Author(s): KR Carter, SB Friedman Annual Conference: 1992, Vol. 17

Paper ID: 92-3.08

Solvent Vapor Behavior in the Vadose Zone above Contaminated Groundwater

Author(s): GM Thompson, MO Rivett Annual Conference: 1992, Vol. 17

Paper ID: 92-3.09

An Informed Approach to Evaluating Pesticides Sites

Author(s): WR Mabey, MD Geringer Annual Conference: 1992, Vol. 17

Paper ID: 92-3.10

A Case Study: Biodegradation of Oily Sludges from a Refinery Process Water/Stormwater Basin

Author(s): RL Vail, D Ramsden Annual Conference: 1992, Vol. 8B

Paper ID: 92-30.01

Addressing Problems Associated with the Distribution of Oxygen and Nutrients in Bioremediation Processes

Author(s): RD Norris

Annual Conference: 1992, Vol. 8B

Paper ID: 92-30.02

Application of Bioremediation Fundamentals to the Design and Evaluation of In Situ Soil Bioventing Systems

Author(s): RR Dupont

Annual Conference: 1992, Vol. 8B

Paper ID: 92-30.03

Factors Challenging the Practicability of In Situ Bioremediation at a Wood Preserving Site

Author(s): KR Piontek, TS Simpkin Annual Conference: 1992, Vol. 8B

Paper ID: 92-30.06

Site Remediation Soils Handling, Incineration and Site Closeout Challenges and Solutions

Author(s): DT Young, JA Ives, JC Dash Annual Conference: 1992, Vol. 8B

Paper ID: 92-31.02

Development Status of the Babcock & Wilcock Cyclone Vitrification Technology for Contaminated Soil

Author(s): JM Czucwa, JJ Warchol, Jamid Farzan

Annual Conference: 1992, Vol. 8B

Paper ID: 92-31.03

1991 Thermal Treatment Remediation Industry Contractor Survey

Author(s): JJ Cudahy, WL Troxler Annual Conference: 1992, Vol. 8B

Paper ID: 92-31.04

Sikes Superfund Site Thermal Treatment Remediation Project James

Author(s): R Donnelly, GE Darnell, JA Sullivan

Annual Conference: 1992, Vol. 8B

Paper ID: 92-31.05

Material Handling and Feed Preparation of Multiple Waste Streams at the BROS Superfund Site

Author(s): EE Nelson, T Granger, M Fitzgerald

Annual Conference: 1992, Vol. 8B

Paper ID: 92-31.06

Soiltech Anaerobic Thermal Process (ATP): Rigorous and Cost-Effective Remediation of Organic-Contaminated Solid and Sludge Wastes

Author(s): M Vorum

Annual Conference: 1992, Vol. 8B

Paper ID: 92-31.07

Performance and Energy Conservation Features of the Ecotechniek Thermal Treatment System

Author(s): AB Gradet, RD D'Olier, EH BeBoer

Annual Conference: 1992, Vol. 8B

Paper ID: 92-31.08

Incineration of Contaminated Soils-Technical and Regulatory Experiences in the Northeast States

Author(s): P Murphy

Annual Conference: 1992, Vol. 8B

Paper ID: 92-32.01

Treatment of Soil Contaminated with Heavy Metals

Author(s): S Mortazavi, K Volchek, GE Choryhanna

Annual Conference: 1992, Vol. 8B

Paper ID: 92-32.02

Modeling Innovative Vapor Extraction Techniques Applied for In Situ Remediation of Volatile Organic Compounds in Soil and Groundwater

Author(s): ML McCullough Annual Conference: 1992, Vol. 8B

Paper ID: 92-32.03

The HRD Flame Reactor Process for Treatment of Contaminated Soils

Author(s): JR Pusateri, RJ Zagrocki Annual Conference: 1992, Vol. 8B

Paper ID: 92-32.07

Soil Vapor Extraction from Hydraulic Fractures in Glacial Till: Initial Field Testing in Chicago, IL

Author(s): SD Schroeder, DB McKenzie, LC Murdoch

Annual Conference: 1992, Vol. 8B

Paper ID: 92-32.09

Sludge/Soil Cement Solidification for Parking Lot Base

Author(s): RE Wallace 111 Annual Conference: 1992, Vol. 8B

Paper ID: 92-33.01

LEEPsm-Low Energy Extraction Process for On-Site Remediation of Soil, Sediment and Sludges

Author(s): W Steiner, B Rugg Annual Conference: 1992, Vol. 8B

Paper ID: 92-33.03

Reduction of Leachability of Heavy Metals in Acid Mine Drainage by a Modified Lime/Sulfide Process

Author(s): JG Stefanoff, YK Kim, JD Mavis

Annual Conference: 1992, Vol. 8B

Paper ID: 92-33.04

Treatment of Nonhazardous Petroleum Contaminated Soils by Thermal Desorption Technologies

Author(s): WL Troxler, JJ Cudahy, RP Zink

Annual Conference: 1992, Vol. 8B

Paper ID: 92-33.05

In Situ Mixing of Dry and Lurried Reagents in Soil and Sludge Using Shallow Soil Mixing

Author(s): CW Aldridge, A Naguib Annual Conference: 1992, Vol. 8B

Paper ID: 92-33.06

Solidification/StabilizationTreatability Study on Lead-Contaminated Soils

Author(s): L Palmer, JR Brownfield Annual Conference: 1992, Vol. 8B

Paper ID: 92-33.07

Evaluation of Available Soil Treatment Technologies for the Clean-Up of Contaminated Waste Sites

Author(s): SC James, GL Stacy, JF Martin Annual Conference: 1992, Vol. 8B

Paper ID: 92-33.08

Abiotic Redox Transformations of Organic Contaminants in Aquifer Materials

Author(s): NL Wolfe, DR Burris Annual Conference: 1992, Vol. 17

Paper ID: 92-34.01

In Situ Bioremediation of PAH Contamination at a Former Manufactured Gas Plant Site

Author(s): DA English, GR Brubaker, D Hargens

Annual Conference: 1992, Vol. 17

Paper ID: 92-34.03

Emerging Plume Management Technologies: In Situ Treatment Zones

Author(s): DR Burris, JA Cherry Annual Conference: 1992, Vol. 17

Paper ID: 92-34.04

Integrated Technology for In Situ Groundwater Remediation

Author(s): AI Cooley, GK Billings Annual Conference: 1992, Vol. 17

Paper ID: 92-34.05

The Base-Catayzed Decomposition Process (BCDP) for PCB Decontamination

Author(s): DB Chan, SL Yeh Annual Conference: 1992, Vol. 17

Paper ID: 92-34.06

Geochemcial Indicators of Anaerobic Biodegradation of BTEX

Author(s): JT Wilson, DH Kampbell, M Cook

Annual Conference: 1992, Vol. 17

Paper ID: 92-34.07

Operating Results from an Integrated Soil ad Groundwater Remediation System: Selected for the Superfund Innovative Technology Evaluation Program

Author(s): rg Hornsby, DJ Jensen Annual Conference: 1992, Vol. 17

Paper ID: 92-35.01

Efficacy of Stream Stripping in Removal of Dichloromethane from Groundwater

Author(s): C Ladanowski, M Punt, P Kerr

Annual Conference: 1992, Vol. 17

Paper ID: 92-35.02

Treatment of Contaminated Groundwater at the Conservation Chemical Site

Author(s): PD Zanoni, J Rogers Annual Conference: 1992, Vol. 17

Paper ID: 92-35.03

Development of a Feasible Treatment Scheme for a Site Contaminated with Petroleum Hydrocarbons

Author(s): SE Hughes, DH Ritts Annual Conference: 1992, Vol. 17

Paper ID: 92-35.04

Groundwater Remediation at the Pioneer Sand Superfund Site

Author(s): ER Masters, DC Ammon Annual Conference: 1992, Vol. 17

Paper ID: 92-35.05

Groundwater Management and Control through Pump ad Treat Techniques

Author(s): DE Vanderkar

Annual Conference: 1992, Vol. 17

Paper ID: 92-35.06

Destruction of Organic Contaminants in Air Using Advanced Ultraviolet Flashlamps

Author(s): PG Blystone, MD Johnson, WR Haag

Annual Conference: 1992, Vol. 17

Paper ID: 92-36.01

Removal of Metal Ions from Groundwater by Polymer Binding and Membrane Separation

Author(s): K Volchek, LM Keller, H Whittaker

Annual Conference: 1992, Vol. 17

Paper ID: 92-36.03

Remedial Alternatives for Removing Semi Soluble Organic Compounds from Groundwater: Evaluating Elevated Temperature Air Stripping and Biological Filtration

Author(s): ML McCullough, DX Dineen Annual Conference: 1992, Vol. 17

Paper ID: 92-36.05

AN Innovative Treatment Process for the Removal of Trichloroethylene from Aqueous Solution Using High Energy Electrons

Author(s): DE Meacham, WJ Cooper, MG Nickelsen

Annual Conference: 1992, Vol. 17

Paper ID: 92-36.08

Computer Simulation of the Chemical Treatment of a Heavy-Metal-Contaminated Groundwater Using Geochemical Modeling Techniques

Author(s): RW Sibocinski, J Myers Annual Conference: 1992, Vol. 17

Paper ID: 92-37.02

Sizing a Stormwater Retention Basin and Treatment System

Author(s): WE Gallagher

Annual Conference: 1992, Vol. 17

Paper ID: 92-37.03

A Non-Chemical Treatment Process for the Decomposition of Metal Cyanide Complexes in Wastewater

Author(s): PA Flaherty

Annual Conference: 1992, Vol. 17

Paper ID: 92-37.05

The Making of a Wetland: Columbia's Constructed Wetlands Polishes Plant Effluent and Enhances the Environment

Author(s): JE White

Annual Conference: 1992, Vol. 17

Paper ID: 92-37.06

Regulatory Impacts on Mixed Waste Management Strategies: Meeting Requirements of Federal, State and Local Agencies and the Corporate Bottom Line

Author(s): J Feldman

Annual Conference: 1992, Vol. 8B

Paper ID: 92-38.01

Effluent Testing at the Oak Ridge Mixed Waste Incinerator

Author(s): W Bostiack, DP Hoffman, JT Shor

Annual Conference: 1992, Vol. 8B

Paper ID: 92-38.02

Choosing Solidification or Vitrification for Low-Level Radioactive and Mixed Waste Treatment

Author(s): RF Gimpel

Annual Conference: 1992, Vol. 8B

Paper ID: 92-38.04

Treatment Process for a Mixed Waste Oil/Solvent Stream

Author(s): RA Miller, EF Stine, JD Handly

Annual Conference: 1992, Vol. 8B

Paper ID: 92-38.06

Treatment of Uranium Containing Wastewaters

Author(s): ME Potts, LH Hampshire Annual Conference: 1992, Vol. 8B

Paper ID: 92-38.07

On-Site Polychlorinated Biphenyl Destruction Demonstration Project on Kwajalein Atoll, Republic of the Marshall Islands

Author(s): R Machanoff, TL Donaldson, CH Brown

Annual Conference: 1992, Vol. 8B

Paper ID: 92-38.10

Modeling the Simultaneous Removal of SO and HCI from Municipal Waste Combustion Flue Gas Via Spray Dryer Absorption

Author(s): MJ Rood, JP Wood Annual Conference: 1992, Vol. 10

Paper ID: 92-39.02

Kinetic Studies on Removal of Hydrogen Chloride from MSWC Flue Gas by Dry Hydrated Lime

Author(s): A Pakrasi, WT Davis, PM Cain

Annual Conference: 1992, Vol. 10

Paper ID: 92-39.03

Physical and Chemical Processes Relevant to the Formation of Chlorinated Dioxins in Municipal Solid Waste Incinerators

Author(s): WH Ziegler, G Miller Annual Conference: 1992, Vol. 10

Paper ID: 92-39.05

Biological Monitoring around a Municipal Solid Waste Incinerator in Rural New Jersey

Author(s): A Carpi, DW Ditz, JM Waldman

Annual Conference: 1992, Vol. 10

Paper ID: 92-39.06

Oxygen Enriched Coincineration of Sewage Sludge in an Existing MSW Incinerator

Author(s): DM DeVincentis, DP Bucci, SP Goff

Annual Conference: 1992, Vol. 10

Paper ID: 92-39.08

Innovative Sensing Techniques for Monitoring and Measuring Selected Dioxins, Furnas and Polycyclic Aromatic Hydrocarbons in Stack Gas

Author(s): JA Draves, DP Dayton, T Logan

Annual Conference: 1992, Vol. 10

Paper ID: 92-39.09

Performance Testing at Hennepin County Resource Recovery Facility

Author(s): TI Tsui, D Fickling Annual Conference: 1992, Vol. 10

Paper ID: 92-39.12

Experimental Study on Simultaneous SO HCI and NO Removal Via Spray Drying Technology

Author(s): CS Yuan, ZT Fong Annual Conference: 1992, Vol. 10

Paper ID: 92-39.15

Finite Element Simulation of Remedial Alternatives for Arsenic and Phosphorus Contamination of Groundwater

Author(s): P Montazer, J Van de Water, L Bull

Annual Conference: 1992, Vol. 17

Paper ID: 92-4.01

Design of Extraction/Injection Systems Using Analytic Models

Author(s): M Mehran

Annual Conference: 1992, Vol. 17

Paper ID: 92-4.03

Modeling-A Tool for the Design of Remediation Schemes

Author(s): V Gavanasen, ST Hussian Annual Conference: 1992, Vol. 17

Paper ID: 92-4.05

Applications of Modeling to Groundwater Remediation-Case Studies

Author(s): SH Djafari, SK Gupta Annual Conference: 1992, Vol. 17

Paper ID: 92-4.07

Assessment of the Performance of a Reactive Barrier System for Lead Removal from Groundwater

Author(s): FW Schwartz, Y Xu Annual Conference: 1992, Vol. 17

Paper ID: 92-4.08

Estimation of Parameters for Local and Regional Aquifer Systems: A Nonlinear Least Squares Approach

Author(s): M Heidari

Annual Conference: 1992, Vol. 17

Paper ID: 92-4.11

Emission of Volatile Heavy Metals from Medical Waste Incinerators

Author(s): CS Volland

Annual Conference: 1992, Vol. 9

Paper ID: 92-40.01

Survey of Air Quality Regulations Affecting Metal Emissions from Municipal and Medical Waste Incinerators

Author(s): PC Siebert, WV Straub Annual Conference: 1992, Vol. 9

Paper ID: 92-40.05

Parametric Evaluation of Powered Activated Carbon Injection for Control of Mercury Emissions from a Municipal Waste Combustor

Author(s): DM White, KL Nebel, TG Brna

Annual Conference: 1992, Vol. 9

Paper ID: 92-40.06

Demonstrated and Innovative Control Technologies for Lead, Cadmium and Mercury from Municipal Waste Combustors

Author(s): NP Getz, IB Thomson, C K Amos

Annual Conference: 1992, Vol. 9

Paper ID: 92-40.07

Evaluation of Control of Heavy Metals from Medical Waste Incinerators

Author(s): AR Borowsky, MG Denis Annual Conference: 1992, Vol. 9

Paper ID: 92-40.08

Modeling of Metallic Particulate Emissions from Rotary Kiln Incinerators

Author(s): P Biswas, WY Lin Annual Conference: 1992, Vol. 10

Paper ID: 92-41.01

BIF Rule Metals Stack Emissions, Removal Efficiencies and Fate in a Conditioned Preheater-Type Cement Kiln

Author(s): AJ Roth

Annual Conference: 1992, Vol. 10

Paper ID: 92-41.02

Suppression of Soot by Metal Additives in an Acetylene Diffusion Flame

Author(s): SL Chung, K Jeng, JL Fan Annual Conference: 1992, Vol. 10

Paper ID: 92-41.03

The Fate of Arsenic in Cement Kilns

Author(s): MJ Abbruzzese

Annual Conference: 1992, Vol. 10

Paper ID: 92-41.04

Ionizing Wet Scrubber Pilot Results for Controlling Emissions from a Liquid Hazardous Waste Incinerator

Author(s): WL Troxler, GD Smith, CB Henke

Annual Conference: 1992, Vol. 10

Paper ID: 92-41.05

Control of Heavy Metals and Dioxins from Hazardous Waste Incinerators by Spray Dryer Absorption Systems and Activated Carbon Injection

Author(s): OB Christiansen, B Brown Annual Conference: 1992, Vol. 10

Paper ID: 92-41.06

Heavy Metal Transformations and Capture during Incinerator

Author(s): S Srinivasachar, JR Morency, BE Wyslouzil

Annual Conference: 1992, Vol. 10

Paper ID: 92-41.07

Metals Control Efficiency Test at a Dry Scrubber and Fabric Filter Equipped Hazardous Waste Incinerator

Author(s): P Murowchick, BL Rice Annual Conference: 1992, Vol. 10

Paper ID: 92-41.08

Sorbalit-A New Economic Approach Reducing Mercury and Dioxin Emissions

Author(s): J Blumbach, LP Nethe Annual Conference: 1992, Vol. 10

Paper ID: 92-41.09

A Comparison: Organic Emissions from Hazardous Waste Incinerators Versus the 1990 Toxics Release Inventory Air Releases

Author(s): CR Dempsey

Annual Conference: 1992, Vol. 10

Paper ID: 92-42.01

Exposure to Emissions from Cement Kilns Burning Waste Derived Fuels Compared to Health Based Standards

Author(s): LC Holcomb, JF Pedelty Annual Conference: 1992, Vol. 10

Paper ID: 92-42.02

Organic Products of Incomplete Combustion from Hazardous Waste Combustion

Author(s): AR Trenholm, GD Hinshaw, DW Kapella

Annual Conference: 1992, Vol. 10

Paper ID: 92-42.03

Unsteady-State Model of Incinerator ESV Emissions

Author(s): PJ Kroll, RC Chang Annual Conference: 1992, Vol. 10

Paper ID: 92-42.04

Engineering Analysis of Metals Emissions from Hazardous Waste Incinerators

Author(s): RG Rizeq, W Clark, WR Seeker

Annual Conference: 1992, Vol. 10

Paper ID: 92-42.05

Oxidative NOx Removal from Waste Gases with Hydrogen Peroxide

Author(s): J Tarabocchia, M Weck Annual Conference: 1992, Vol. 3

Paper ID: 92-43.01

Ultra-Low NOx Combustion of Solid, Liquid and Gaseous Fuels in the Hyperion Fluid Bed Furnace System

Author(s): FM Lewis, RT Haug, SI Choti

Annual Conference: 1992, Vol. 3

Paper ID: 92-43.02

Low NO x VOC Thermal Treatment

Author(s): JJ Seiwert, JM Quiel Annual Conference: 1992, Vol. 3

Paper ID: 92-43.04

NO x OUT System-Exeter Energy Tire Burning Facility, Sterling Connecticut

Author(s): P Geissler, SE Grisko, JH O'Leary

Annual Conference: 1992, Vol. 3

Paper ID: 92-43.05

NO x Control in a Municipal Sludge Combustor

Author(s): R Pachaly, JE Hoffmann Annual Conference: 1992, Vol. 3

Paper ID: 92-43.06

Mercury Retention in Fly Ash Using Activated Carbon Absorption

Author(s): TL Guest

Annual Conference: 1992, Vol. 10

Paper ID: 92-44.01P

An Experimental Study to Determine Gaseous and Particulate Products from Small-Scale Explosive Detonations and Propellant Burns

Author(s): W Einfeld, RA Rasmussen, CO Eckard

Annual Conference: 1992, Vol. 8B

Paper ID: 92-45.01

U.S. Army Subpart X Permitting Support Program

Author(s): RR Stonr, TA Kimmell, R Austin

Annual Conference: 1992, Vol. 8B

Paper ID: 92-45.02

Thiokol Corporation's Approach to Permitting Open Burning/Open Detonation Activities

Author(s): SB Ison, RW Smith-Kent, JD Thompson

Annual Conference: 1992, Vol. 8B

Paper ID: 92-45.03

Use of Modeling in RCRA Subpart X Permit Applications

Author(s): RR Basinski, JH Lucas, JA Boros

Annual Conference: 1992, Vol. 8B

Paper ID: 92-45.04

Sludge Dehydration to Meet PFRP Via Indirect Heated Disc Type Processor

Author(s): P Lackmacher, BJ Low Annual Conference: 1992, Vol. 9

Paper ID: 92-46.01

Positive Results of a Biosolids Volume Reduction Demonstration

Author(s): J Gober, EM Boyle Annual Conference: 1992, Vol. 9

Paper ID: 92-46.02

The Evaluation of Total Hydrocarbon Continuous Monitoring at Wastewater Sludge Incinerators

Author(s): HE Bostian, EP Crumpler, JT Chehaske

Annual Conference: 1992, Vol. 9

Paper ID: 92-46.03

Improving the Performance of Existing Wet Scrubbers on Sludge Incineration

Author(s): FM Lewis, LA Lundberg, KT Semrau

Annual Conference: 1992, Vol. 9

Paper ID: 92-46.04

Co-Composting Municipal Sewage Sludge with Leaves, Yard Wastes and Other Recyclables: A Case Study

Author(s): CA Howe, CS Coker Annual Conference: 1992, Vol. 9

Paper ID: 92-46.06

Development of a Sludge Management program for Topeka, Kansas

Author(s): JS Carr, KL Hobson, LD Maddux

Annual Conference: 1992, Vol. 9

Paper ID: 92-46.07

Emissions Measurements and Air Quality Impact Analysis for a Sludge Heat Dryer

Author(s): AD Schatz, PJ Psaris, RR Rolf

Annual Conference: 1992, Vol. 9

Paper ID: 92-46.08

Thermal Dewatering Demonstrated at Buffalo's Bird Island Sewage Treatment Plant

Author(s): FJ DiMascio, PA Burrowes Annual Conference: 1992, Vol. 9

Paper ID: 92-46.09

Summary of the Field Leachate Generated from Northern States Power Company's Red Wing RDF Ash Disposal Facility

Author(s): RA Clarke

Annual Conference: 1992, Vol. 9

Paper ID: 92-47.02

ASME/US Bureau of Mines Investigation-Vitrification of Residue from Municipal Waste Combustion

Author(s): A Plumley, R DeCesare, HI Hollander

Annual Conference: 1992, Vol. 9

Paper ID: 92-47.03

Air Quality and Health Risk Assessment for Volatile Mercury from a Municipal Waste Combustor Ash Landfill

Author(s): A Roffman, KA Macoskey Annual Conference: 1992, Vol. 9

Paper ID: 92-47.06

Health Risk Assessment of Minnesota MWC Ash Utilization Demonstration Project-Utilization of MWC Ash an Alternative to Landfilling

Author(s): TM Jackman, RK Cambotti, JK Roffman

Annual Conference: 1992, Vol. 9

Paper ID: 92-47.08

A Fixed Bed Activated Coke/Carbon Filter as a final Gas Cleaning Stage Retrofitted for a Hazardous Waste Incineration Plant-The First 6 Months of Operating Experience

Author(s): HU Hartenstein Annual Conference: 1992, Vol. 10

Paper ID: 92-48.04

Thermal Pyrolysis of Chlorinated Organic Sludge Wastes

Author(s): KB Arcuri, M Ye, M Knight Annual Conference: 1992, Vol. 10

Paper ID: 92-48.05

Recycling Hazardous Metallic Waste

Author(s): E Rosenbaum, C Johnson Annual Conference: 1992, Vol. 10

Paper ID: 92-48.06

Use of Advanced SO2 Control By-Products Technologies in Road Construction

Author(s): WA Weigand, DM Golden, AW Eklund

Annual Conference: 1992, Vol. 10

Paper ID: 92-49.03

Design, Construction and Performance of a Test Embankment on Hydraulically Placed Ash

Author(s): DW Armour, CM Avery Annual Conference: 1992, Vol. 10

Paper ID: 92-49.04

Utility Use of Coal By-Products in Slope Protection for Disposal Pond Embankments and High-Volume Cement Replacement in Concrete

Author(s): BA Dockter, CJ Moretti, DJP Hassett

Annual Conference: 1992, Vol. 10

Paper ID: 92-49.05

Coal Combustion By-Product Utilization: A Proactive Approach Minimizes Landfill Use

Author(s): JR Prusinski, JL Weber, CG Martinez

Annual Conference: 1992, Vol. 10

Paper ID: 92-49.06

Operating Experience in FGD-Derived Aggregate Program

Author(s): CL Smith

Annual Conference: 1992, Vol. 10

Paper ID: 92-49.08

Containment and Inspection Strategies for Aboveground RCRA Storage Tank System: A Case Study

Author(s): FW Koozer

Annual Conference: 1992, Vol. 6

Paper ID: 92-5.01

Filed Tests of Passive Acoustic Leak Detection Systems for Aboveground Storage Tanks When in Service

Author(s): EG Eckert, JW Maresca, Jr. Annual Conference: 1992, Vol. 6

Paper ID: 92-5.03

Aboveground Storage: State-of-the-Art Systems

Author(s): G Woodside, JJ Prusak Annual Conference: 1992, Vol. 6

Paper ID: 92-5.04

Isolation and Containment of Advanced SO Control Wastes

Author(s): WA Weigand, AG Eklund, ME McLean

Annual Conference: 1992, Vol. 10

Paper ID: 92-50.01

Groundwater Impact Studies at Three Ontario Hydro Coal Ash Landfills

Author(s): HM Johston, AG Vorauer, HT Chan

Annual Conference: 1992, Vol. 10

Paper ID: 92-50.02

Soil-Liner Amendments for Enhanced Attenuation of Acidic and Alkaline Waste Streams

Author(s): JE Amonette, RJ Serne, WJ Martin

Annual Conference: 1992, Vol. 10

Paper ID: 92-50.03

Permanent Total Enclosure Technologies within the Printing Industry: A Company's History from 1986 to the Preset

Author(s): TD Warlick

Annual Conference: 1992, Vol. 15

Paper ID: 92-51.01

Permanent Total Enclosure of a Large Printing Press to Provide 100% VOC Capture

Author(s): JL Murphy, WS Shenk, PC Harris

Annual Conference: 1992, Vol. 15

Paper ID: 92-51.03

Emphasis on Containment: EPA's Permanent Total Enclosure Criteria and Temporary Total Enclosure Test Procedures

Author(s): SW Edgerton

Annual Conference: 1992, Vol. 15

Paper ID: 92-51.04

Total Permanent Enclosures for the Surface Coating Industry

Author(s): MF Lukey

Annual Conference: 1992, Vol. 15

Paper ID: 92-51.07

Beyond Waste Minimization: A Life Cycle Cost Approach to Managing Chemical and Materials

Author(s): D Cohan, K Wapman, WC Trench, Jr.

Annual Conference: 1992, Vol. 15

Paper ID: 92-52.01

Waste Reduction Initiative for Iowa Counties: A National Model

Author(s): KK Gunderson

Annual Conference: 1992, Vol. 15

Paper ID: 92-52.02

Overcoming Communication Barriers to Pollution Prevention in Florida

Author(s): JM Valenti, JA Campbell Annual Conference: 1992, Vol. 15

Paper ID: 92-52.03

Waste Accounting: A Methodology for Tracking Pollution Prevention Performance

Author(s): WC Trench, ME McLearn Annual Conference: 1992, Vol. 15

Paper ID: 92-52.04

A Preliminary Screening Tool for Ranking Pollution Prevention Analysis at Department of Defense Facilities

Author(s): DA Rice, MA Hopkins Annual Conference: 1992, Vol. 15

Paper ID: 92-52.06

Pollution Prevention Opportunities in Environmental Regulatory Enforcement Actions

Author(s): AL Wachs

Annual Conference: 1992, Vol. 15

Paper ID: 92-52.07

A Geographic Approach to Voluntary Releases Reduction Program

Author(s): CM Walter, AL Wehmeyer Annual Conference: 1992, Vol. 15

Paper ID: 92-52.08

Best Management Practices Planning (Applying Proven BMP Planning Concepts to Reduce Air Emissions)

Author(s): JW Boddy, MA Karell Annual Conference: 1992, Vol. 15

Paper ID: 92-52.10

Pollution Prevention Act: Effects and Implications of Industry's Reporting

Author(s): JC Bolstridge

Annual Conference: 1992, Vol. 15

Paper ID: 92-53.01

The Pollution Prevention Research Program of the American Petroleum Institute

Author(s): BL Bush

Annual Conference: 1992, Vol. 15

Paper ID: 92-53.02

Assessment of Pollution Prevention Progress and Other Changes Reported in the Toxics Release Inventory

Author(s): RD Baker, JL Warren, J Craig Annual Conference: 1992, Vol. 15

Paper ID: 92-53.03

Recent Trends in Pollution Control Techniques and Capital Expenditures for Pollution Control by U.S. Manufacturing Industries

Author(s): JD Hill

Annual Conference: 1992, Vol. 15

Paper ID: 92-53.04

Pollution Prevention Sector Strategies in the Regions

Author(s): SK Laskowski, RE Denmark, J Hemby

Annual Conference: 1992, Vol. 15

Paper ID: 92-53.05

Development of National Standards for Pollution Prevention, Reuse, Recycling and Environmental Efficiency

Author(s): AG Eklund, JW Satterfield, WP Gulledge

Annual Conference: 1992, Vol. 15

Paper ID: 92-53.07

Pollution Prevention in the Dye Manufacturing Industry: A Government/Industry Collaboration

Author(s): JH Woodman, SF Dubrow, H Trebitz

Annual Conference: 1992, Vol. 15

Paper ID: 92-54.01

3P Plus: Total Quality Environmental Management

Author(s): RP Bringer, DM Benforado Annual Conference: 1992, Vol. 15

Paper ID: 92-54.03

Waste Minimization in Metal Finishing Wastewater

Author(s): WW Allen, F Tarverdi Annual Conference: 1992, Vol. 15

Paper ID: 92-54.05

California Hazardous Waste Utilization in the Manufacture of Portland Cement

Author(s): RL Leonard, EF Bouse, Jr. Annual Conference: 1992, Vol. 15

Paper ID: 92-54.06

Pollution Prevention: A Continually Evolving Process

Author(s): EA Kobylinski, GL Hunter, PA Key

Annual Conference: 1992, Vol. 15

Paper ID: 92-54.07

Waste Minimization in a Research and Development Environment-A Case History

Author(s): RE Filardi, SR. Annual Conference: 1992, Vol. 15

Paper ID: 92-54.08

Case Study of the Development of a Waste Minimization Program at an Aerospace Parts Manufacturing Facility under the California SB-14 Source Reduction Guidelines

Author(s): JJ Otter, N Toossi, L Bly Annual Conference: 1992, Vol. 15

Paper ID: 92-54.09

Achieving a Balance Between Environmental Protection and Economic Development: Implications for Information Management and Transfer

Author(s): SD Lee, LD Grant, T Schneider

Annual Conference: 1992, Vol. 15

Paper ID: 92-57.02

Intelligent Product System to Replace Waste Generation

Author(s): M Braungart, J Engelfried Annual Conference: 1992, Vol. 15

Paper ID: 92-57.06

Risk Management Approaches Relative to Diesel Particulate Emissions

Author(s): DS Jang, K Maeda Annual Conference: 1992, Vol. 15

Paper ID: 92-57.07

Reconciliation of Divergent Views on Waste Incineration by Pollution Prevention

Author(s): AES Gren

Annual Conference: 1992, Vol. 15

Paper ID: 92-57.08

Improved Spill Response and Prevention Performance at a Major Steel Manufacturing Industry

Author(s): HJ Archer, PA Marcus Annual Conference: 1992, Vol. 15

Paper ID: 92-58.02

Environmental Considerations in Closure and Dismantling of Industrial Facilities

Author(s): R Ahmed, P Krueger, J Curtis Annual Conference: 1992, Vol. 15

Paper ID: 92-58.03

Reuse of Spent Antifreeze-A Case Study

Author(s): LJ Holcombe, AE Sayle, BW Veech

Annual Conference: 1992, Vol. 15

Paper ID: 92-58.04

Waste Management Options for Oil-Contaminated Rags and Empty Containers-A Case Study

Author(s): RP Oliphint, M Palmer, G Mavrakis

Annual Conference: 1992, Vol. 15

Paper ID: 92-58.05

A Multi-System, Multichannel, High Volume Diffusion Denuder Sampler for the Determination of the Particle Size Distribution and Chemical Composition of Semi-Volatile Organic Compounds in Atmospheric Fine Particles

Author(s): H Tang, EA Lewis, VA Marple

Annual Conference: 1992, Vol. 2A

Paper ID: 92-59.02

Spatial and Temporal patterns of Several Particulate Species in Washington State During the Summer of 1990

Author(s): KA Gebbart, WC Malm Annual Conference: 1992, Vol. 2A

Paper ID: 92-59.04

Long-Term Trends in Los Angeles Basin Visibility and Associated Air Quality

 $\label{eq:Author(s): RJ Farber, JR Young, C Rozzi} \\ \text{Annual Conference: } 1992, Vol.\ 2A$

Paper ID: 92-59.06

Reconciliation of Visibility and Aerosol Composition Data over the U.S.

Author(s): BA Schichtel, RB Husar, W Wilson

Annual Conference: 1992, Vol. 2A

Paper ID: 92-59.08

Technical and Regulatory Issues in Changing from Underground to Aboveground Tank Storage Systems at Industrial Sites

Author(s): KZ Crumrine, ED Juergens Annual Conference: 1992, Vol. 6

Paper ID: 92-6.01

Considerations in Aboveground vs. Underground Tank Storage

Author(s): WB Geyer

Annual Conference: 1992, Vol. 6

Paper ID: 92-6.02

Economic Analysis of Secondary containment Alternatives for Tank Systems

Author(s): RW Rakoczynski, BA Long Annual Conference: 1992, Vol. 6

Paper ID: 92-6.03

Visibility Impairment Assessment; Impact of Sulfate Changes; Preliminary Findings

Author(s): EC Trexler, Jr.

Annual Conference: 1992, Vol. 2A

Paper ID: 92-60.01

Apportionment of Aerosol Extinction at Mount Rainier and North Cascades National Parks

Author(s): WC Malm, KA Gebbart, JV Molenar

Annual Conference: 1992, Vol. 2A

Paper ID: 92-60.02

The Effect of Relative Humidity on Visibility-Continental Distributions

Author(s): JF Sisler, WC Malm, KA Gebbart

Annual Conference: 1992, Vol. 2A

Paper ID: 92-60.03

Meteorological and Site Influences Affecting the Comparison of Nephelometer and Photographic Determinations of Light Extinction at Rural Sites in the Eastern United States

Author(s): EG Evans, RJ Tropp, TF Simons

Annual Conference: 1992, Vol. 2A

Paper ID: 92-60.04

Aerosol Types over the Continental U.S.: Spatial and Seasonal Pattern

Author(s): BA Schichtel, RB Husar Annual Conference: 1992, Vol. 2A

Paper ID: 92-60.07

A New Inertial Impactor for Visibility-Reducing Aerosols

Author(s): TA Cahill, P Wakabayashi, O Raabe

Annual Conference: 1992, Vol. 2A

Paper ID: 92-60.08

Intercomparison of Ambient Optical Monitoring Techniques

Author(s): JV Molenar, DS Cismoski, RM Tree

Annual Conference: 1992, Vol. 2A

Paper ID: 92-60.09

The Effect of Gas-Phase Chemistry on Sulfur Dioxide Oxidation Rates

Author(s): WR Stockwell, UV Rao Annual Conference: 1992, Vol. 2A

Paper ID: 92-62.03

Particle Formation and Growth in Coal-Fired Boiler Exhaust

Author(s): SF Mueller, RE Imhoff Annual Conference: 1992, Vol. 2A

Paper ID: 92-62.04

Sulfate and Nitrate Formation in Utah Valley during Winter Inversions

Author(s): FM Caka, EA Lewis, DJ Eatough

Annual Conference: 1992, Vol. 2A

Paper ID: 92-62.05

Ammonium Nitrate, Nitric Acid and Ammonia Equilibrium in a Wintertime Phoenix, AZ

Author(s): JG Watson, JC Chow, F Lurmann

Annual Conference: 1992, Vol. 2A

Paper ID: 92-62.06

Photochemical Oxidant Processes in the Presence of Dust

Author(s): V Kotamarthi, Y Zhang, GR Carmichael

Annual Conference: 1992, Vol. 2A

Paper ID: 92-62.07

The Size Distribution of Water-Soluble Ions and Total Carbon Contents in an Urban Aerosol

Author(s): CT Lee, WC Hsu Annual Conference: 1992, Vol. 7

Paper ID: 92-64.01

A Saturation PM Study in El Paso, Texas and Ciudad Juarez

Author(s): MG Kemp, P Koska, JW Yarbrough

Annual Conference: 1992, Vol. 7

Paper ID: 92-64.04

Correlation of PM Polycyclic Hydrocarbons and Lead Monitoring Data from an Urban Development Site

Author(s): DR Draper, MJ Minnicino Annual Conference: 1992, Vol. 7

Paper ID: 92-64.05

PM Measurements at Four Rural Stations in the Tennessee Valley

Author(s): RJ Valente, RV Carter, JR Cunningham

Annual Conference: 1992, Vol. 7

Paper ID: 92-64.06

Overview of the A&WMA/EPA Specialty Conference on PM Standards and Nontraditional Particulate Source Controls

Author(s): JC Chow, D Ono, CV Mathai

Annual Conference: 1992, Vol. 7

Paper ID: 92-64.08

Inferred Particulate Exposure for a Group of Susceptibles: A Pilot Study

Author(s): RE Wyzga, FW Lipfert Annual Conference: 1992, Vol. 7

Paper ID: 92-65.01

PM Particulate Polyaromatic Hydrocarbon Monitoring in California: Trends and Interbasin Comparisons

Author(s): MW Poore, DJ Hartmann Annual Conference: 1992, Vol. 7

Paper ID: 92-65.02

Analysis of TSP, PM and PM/TSP Ratio Distributions in Mexico City, 1988-1989

Author(s): PC Fernandez, WA Thistlewaite, YI Falcon

Annual Conference: 1992, Vol. 7

Paper ID: 92-65.03

Battery Powered PM Indoor Air Samplers Applied to Unvented Third World Residential Combustion Sources

Author(s): DB Harris, RS Chapman, ML Mujmford

Annual Conference: 1992, Vol. 7

Paper ID: 92-65.04

Composition of Volatile Compound Emissions from Spark Ignition and Diesel Vehicle Coke Oven Wastewater Treatment Plants and Wood Combustion

Author(s): PA Scheff, RA Wadden, CB Keil

Annual Conference: 1992, Vol. 2A

Paper ID: 92-66.02

Automated Fugitive Emissions Monitoring with a Regulatory Expert System

Author(s): DN Hommrich, RL Kump Annual Conference: 1992, Vol. 2A

Paper ID: 92-66.03

Monitoring of Volatile Organic Hydrocarbon and Reduced Sulphur Compound Fugitive Emissions from an Oil Sands Recovery Facility in Northern Alberta

Author(s): P Fellin, MJE Davies Annual Conference: 1992, Vol. 2A

Paper ID: 92-66.04

Implementation of a Fugitive Emission Management Program at the Kodak Park Industrial Complex

Author(s): CL Riggall, GG Moeller Annual Conference: 1992, Vol. 2A

Paper ID: 92-66.06

Practical Guidance for Flux Chamber Measurements of Fugitive Volatile Organic Emissions Rates

Author(s): BM Eklund

Annual Conference: 1992, Vol. 2A

Paper ID: 92-66.07

Methodology for Selecting a Monitoring Instrument for Measuring Fugitive Emissions from Equipment Leaks in Conjunction with the 1990 Clean Air Act Requirements

Author(s): A Scataglia, RW Massengale Annual Conference: 1992, Vol. 2A

Paper ID: 92-66.08

Using a Temporary Total Enclosure to Measure Capture Efficiency-Principle and Practice

Author(s): SW Edgerton

Annual Conference: 1992, Vol. 2A

Paper ID: 92-66.09

Practical, Real-Time Monitoring of Chlorinated Organics Using Selective Sensor Technology

Author(s): WJ Buttner, WRPenrose, MW Findlay

Annual Conference: 1992, Vol. 2A

Paper ID: 92-66.10

Fugitive Hydrocarbon Emission from Petroleum Production Operations

Author(s): m Webb, P Martino Annual Conference: 1992, Vol. 2A

Paper ID: 92-66.11

Fugitive VOC Emissions in the Petroleum and Chemical Industries-A Canadian Perspective

Author(s): RP Perras

Annual Conference: 1992, Vol. 2A

Paper ID: 92-66.12

Feasibility of Installing Volumeric Ultrasonic Flow Monitors on Non-Optical Duckwork

Author(s): JE Traina

Annual Conference: 1992, Vol. 2A

Paper ID: 92-66.14

Error-Analysis of EPA Method 2

Author(s): RL Myers

Annual Conference: 1992, Vol. 2A

Paper ID: 92-66.15

Airborne Tandem Mass Spectrometry for Investigation of Regional and Global Environmental Issues

Author(s): DV Kenny, CW Spicer, GM Sverdrup

Annual Conference: 1992, Vol. 2A

Paper ID: 92-67.01

Tracking Odours

Author(s): GB DeBrou, AC Ng, NS Karellas

Annual Conference: 1992, Vol. 2A

Paper ID: 92-67.02

Initial Studies with an Internal Standard in Direct Air Monitoring MS/MS

Author(s): WA Smith, SL Blaze, TH Pritchett

Annual Conference: 1992, Vol. 2A

Paper ID: 92-67.03

The Use of the TAGA 6000E Direct Air Sampling Mass Spectrometer/Mass Spectrometer to Sample Outdoor Air in the Vicinity of an Activated Carbon Recycling Facility

Author(s): RE Conrad, JP Pezze Annual Conference: 1992, Vol. 2A

Paper ID: 92-67.04

Combined Use of Sodar and Radar Profiling for Air Quality Applications

Author(s): GS Zeegler, CE Riese, RK Peterman

Annual Conference: 1992, Vol. 2A

Paper ID: 92-68.02

Evaluation of Performance of 915 MHz Radar Profiler and RASS during the 1991 Lake Michigan Ozone Study

Author(s): TS Dye, CG Lindsey Annual Conference: 1992, Vol. 2A

Paper ID: 92-68.03

Cadmium and Zinc Deposition from a Non-Ferrous Smelting Operation

Author(s): CD Wolbach

Annual Conference: 1992, Vol. 2A

Paper ID: 92-69.04

Monitoring of Atmospheric Lead and Management in Ontario

Author(s): NW Reid, DB Orr, MJ Shaw Annual Conference: 1992, Vol. 2A

Paper ID: 92-69.05

Pilot Network for Metals in Wet Deposition

Author(s): SJ Vermette, ME Peden, TC Willoughby

Annual Conference: 1992, Vol. 2A

Paper ID: 92-69.06

Atmospheric Measurements of Polychlorinated Biphenyls Dioxins and Furans Near Knoxville, Tennessee

Author(s): WJ Parkhurst, BL Barnard, NT Lee

Annual Conference: 1992, Vol. 2A

Paper ID: 92-69.08

Measurements of Vapor/Particle Distributions of PCB Congeners and Other Chlorinated Hydrocarbons near Lake Ontario

Author(s): ND Johnson, DA Lane, WH Schroeder

Annual Conference: 1992, Vol. 2A

Paper ID: 92-69.09

Dry Deposition of Trace Metal and Organic Emissions from Combustion Sources to a Rural Landscape

Author(s): RP Brower, SA Campbell Annual Conference: 1992, Vol. 2A

Paper ID: 92-69.11

The Atmospheric Deposition of PCBs into San Francisco Bay

Author(s): DH Ritts, R Williamson Annual Conference: 1992, Vol. 2A

Paper ID: 92-69.12

Improvements in Wet Deposition Modeling for Multimedia Risk Assessments

Author(s): SA Campbell, E Liebsch, GL Scott

Annual Conference: 1992, Vol. 2A

Paper ID: 92-69.13

A Climatological Algorithm for the Wet Deposition of Particulate Matter

Author(s): M Jindal, D Heinold Annual Conference: 1992, Vol. 2A

Paper ID: 92-69.15

Herbicide Concentrations in Air and Rain

Author(s): AL Williams, CW Sweet, C Peters

Annual Conference: 1992, Vol. 2A

Paper ID: 92-69.16

Mass-Size Distribution and Dry Deposition Flux of Particles and Metal in Chicago

Author(s): KE Noll, TM Holsen, GC Fang

Annual Conference: 1992, Vol. 2A

Paper ID: 92-69-17

Managing RCRA Corrective Action during Final Permitting process at TSDF with Storage Tank Systems: A Case Study

Author(s): FW Koozer

Annual Conference: 1992, Vol. 8A

Paper ID: 92-7.01

On-Site Portable Bioremediation Unit

Author(s): GA Molchan, SJ Kang Annual Conference: 1992, Vol. 8A

Paper ID: 92-7.04

The Risk Assessment: A Site Specific Approach to Establishing Acceptable Soil Clean-up Levels, From CERCLA to RCRA UST Sites

Author(s): CB Huggins, V&RD Money Annual Conference: 1992, Vol. 8A

Paper ID: 92-7.06

Site Characterization, Risk Assessment and Corrective Measures for an Underground Storage Tank Site

Author(s): DW Okorn, P Yodnane, MT Perry

Annual Conference: 1992, Vol. 8A

Paper ID: 92-7.07

Preliminary Results of a Vapor Extraction Remediation in Low Permeability Soils

Author(s): JW Coho, RG Larkin Annual Conference: 1992, Vol. 8A

Paper ID: 92-7.08

Ex Situ BTEX Treatment: A Viable Alternative to Dig-and - Dump

Author(s): RE Huddleston, PAB Newman, PM Boersma

Annual Conference: 1992, Vol. 8A

Paper ID: 92-7.09

Status of Air Pollution Impact on Forest Ecosystems in Bulgaria

Author(s): KF Zeller, ER Kichukov, NT Nikolov

Annual Conference: 1992, Vol. 7

Paper ID: 92-71.01

Comparison of Ozone Characteristics in Forested Regions Near Mexico City and Los Angeles

Author(s): PR Miller, MdLd Bauer, AQ Nolasco

Annual Conference: 1992, Vol. 7

Paper ID: 92-71.02

Evaluation of the Ozone Threat to Forests in Poland-Results of the Pilot Study

Author(s): A Bytnerowictz, WJ Manning, D Grosjean

Annual Conference: 1992, Vol. 7

Paper ID: 92-71.03

Nitrogen Deposition to Forest Ecosystem: Forms, Regional Inputs and Effects

Author(s): PJ Hanson, RS Turner Annual Conference: 1992, Vol. 7

Paper ID: 92-71.04

FTIR Remote Sensing Reference Spectra: Static Versus Dynamic Methods for Generating Gas Mixtures

Author(s): RW Brandon, RH Kagann, SD Garbis

Annual Conference: 1992, Vol. 2A

Paper ID: 92-73.01

An Evaluation of Remote Sensing FTIR vs. Point Sources Sample Collection and Analysis

Author(s): DN Hommrich, RL Kump, RH Kagann

Annual Conference: 1992, Vol. 2A

Paper ID: 92-73.02

Quality Assurance, Water Vapor and Analysis of FTIR Data

Author(s): GM Russwurm

Annual Conference: 1992, Vol. 2B

Paper ID: 92-73.03

Validation of a Gaussian Plume Dispersion Model Based on Data From the Kansas Open-Path FTIR Intercompariosn Study

Author(s): RL Scotto, BC Sanders, RH Kagann

Annual Conference: 1992, Vol. 2B

Paper ID: 92-73.04

A Demonstration of Open-Path Fenceline and Extractive Workplace Monitoring with FTIR and UV-DOAS Systems

Author(s): RL Spellicy, WF Herget, JA Draves

Annual Conference: 1992, Vol. 2B

Paper ID: 92-73.05

The Design of and Results from a Study to Intercompare Open-Path FTIRs and Canisters under Controlled Field Conditions

Author(s): DD Lane, RE Carter, GA Marotz

Annual Conference: 1992, Vol. 2B

Paper ID: 92-73.06

A Statistical and Data Use Comparison of a Canister-Based Sampling Technique with that of Open-Path Remote Sensing

Author(s): MJ Thomas, JL Hudson, DD Lane

Annual Conference: 1992, Vol. 2B

Paper ID: 92-73.07

The Kansas Open-Path Fourier Transform Infrared Spectrometer Intercomparsion Study: A Project Overview

Author(s): JL Hudson, MJ Thomas, J Arello

Annual Conference: 1992, Vol. 2B

Paper ID: 92-73.08

Comparison of Open-Path FTIR Data with Point Samplers in the EPA Region VII FTIR Intercomparison Study

Author(s): RH Kagann, OA Simpson Annual Conference: 1992, Vol. 2B

Paper ID: 92-73.09

Comparison of an Open-Path UV and FTIR Spectrophotometer

Author(s): SE McLarsen, DH Stedman, PD Greenlaw

Annual Conference: 1992, Vol. 2B

Paper ID: 92-73.10

Project Swiftsure: Destruction of Chemical Agent Waste at Defence Research Establishment Suffield

Author(s): JM McAndless

Annual Conference: 1992, Vol. 2B

Paper ID: 92-74.01

Stack Sampling During Incineration of Mustard Warfare Agent

Author(s): DG Colley, KJ Hansen Annual Conference: 1992, Vol. 2B

Paper ID: 92-74.03

Ambient Monitoring Programs in Support of Destruction of Chemical Warfare Agents

Author(s): DS Chadder, KC Heidforn, AE Davies

Annual Conference: 1992, Vol. 2B

Paper ID: 92-74.04

Performance Monitoring of a mustard Incineration Process

Author(s): RJ Rutberg

Annual Conference: 1992, Vol. 2B

Paper ID: 92-74.06

Johnston Atoll Chemical Agent Demilitarization System (JACADS) Destroying the Chemical Weapons Stockpile on Johnston Island

Author(s): RF Machacek

Annual Conference: 1992, Vol. 2B

Paper ID: 92-74.08

Atlanta Ozone Precursor Study: Dispersion Modeling of NOx and NMOC

Author(s): DA Sullivan, TG Grosch, DJ Hlinka

Annual Conference: 1992, Vol. 2B

Paper ID: 92-75.01

Attainment of Scientific Defensibility in Ambient Air Quality Monitoring

Author(s): MC Hansen, BZ Kucewicz Annual Conference: 1992, Vol. 2B

Paper ID: 92-75.03

Checklist for Designing an Air Toxics Monitoring Plan

Author(s): T Pritchett, P Virag, L Militana

Annual Conference: 1992, Vol. 2B

Paper ID: 92-75.04

Preliminary Results of the Chemical Manufacturers Association Urban Baseline VOC Measurement Program

Author(s): AH Hendler, WL Crow Annual Conference: 1992, Vol. 2B

Paper ID: 92-75.05

Use of Time-Lapse Video Recording to Document and Analyze Pollution Episodes and Visible Emissions from Industrial Sources

Author(s): JH Price, FJ Kalapach, NF Jones

Annual Conference: 1992, Vol. 2B

Paper ID: 92-75.06

Portable FTIR Use to Determine Acute, Short-Term Personal Exposures to Air Toxics

Author(s): GW Scheil, SW Klamm, RD Dobson

Annual Conference: 1992, Vol. 2B

Paper ID: 92-75.08

A Comprehensive Community Air Toxics Monitoring Program and Public Health Risk Implications of Results

Author(s): DB Smith, P Hunt Annual Conference: 1992, Vol. 2B

Paper ID: 92-75.10

Using Resources for Results: Ambient Air Monitoring Sites Operated by the Missouri Department of Natural Resources Air Quality Monitoring Unit

Author(s): RA Taylor, RA Nilges, JA Brunnert

Annual Conference: 1992, Vol. 2B

Paper ID: 92-75.11

Air Pollutant Monitoring and Health Risk Assessment in Allen County-Lima, Ohio

Author(s): TJ Kelly, PR Sticksel, AJ Pollack

Annual Conference: 1992, Vol. 2B

Paper ID: 92-75.12

What Really Happens in the Field: Practical Experiences in Ambient Air Monitoring

Author(s): SJ McCullough, E Avol Annual Conference: 1992, Vol. 2B

Paper ID: 92-75.15

Volatile Organic Compound Measurements in Canadian Urban and Rural Areas: 1989-1990

Author(s): T Dann, D Wang Annual Conference: 1992, Vol. 2B

Paper ID: 92-75.16

Development of a Community Radiation Monitoring Program Near a Nuclear Industrial Facility

Author(s): BJ Pauley, DR Maxwell Annual Conference: 1992, Vol. 2B

Paper ID: 92-75.18

Using Satellite Imagery for Qualitative Evaluation of Plume Transport in Modeling the Effects of the Kuwait Oil Fire Smoke Plumes

Author(s): A Bass, P Janota Annual Conference: 1992, Vol. 7

Paper ID: 92-76.01

Air Pollution Monitoring in Kuwait, One Month After the Gulf War

Author(s): G Thibaut, P Lameloise Annual Conference: 1992, Vol. 7

Paper ID: 92-76.03

Results of the Automatic: Air Quality Monitoring Programme Developed

Author(s): B Siversten

Annual Conference: 1992, Vol. 7

Paper ID: 92-76.04

Daily Dispersion Model Calculations of the Kuwait Oil Fire Smoke Plume

Author(s): JS Ellis, CS Foster, KT Foster

Annual Conference: 1992, Vol. 7

Paper ID: 92-76.05

The Impact of the Kuwait Oil Fires-An Overview

Author(s): WF Hunt, Jr.

Annual Conference: 1992, Vol. 7

Paper ID: 92-76.06

Treatment of Ambient Air Monitoring Data for Estimation of Maximum Community Impact for Airborne Emissions from Industrial Facilities

Author(s): CH Williams, MB Hall Annual Conference: 1992, Vol. 2B

Paper ID: 92-77.02

An Evaluation of Procedures for Estimating Descriptive Statistics for Distributions of Ambient Air VOC Data Containing Values Below the Detection Limit

Author(s): MB Hall, AH Hendler, DL Lewis

Annual Conference: 1992, Vol. 2B

Paper ID: 92-77.03

Data Analysis for SJVAQS/AUSPEX

Author(s): JG Watson, JC Chow, PM Roth

Annual Conference: 1992, Vol. 2B

Paper ID: 92-77.05

Exploration of the AIRS Database: Weekly Cycle of Ozone and PM Aerosols

Author(s): RB Husar, T Poirot Annual Conference: 1992, Vol. 2B

Paper ID: 92-77.06

Particulate Toxic Trace Element Measurements in Tennessee

Author(s): RJ Benjamin, TL Miller, WJ Parkhurst

Annual Conference: 1992, Vol. 2B

Paper ID: 92-77.07

Development and Application of the Rutgers Industrial Sentences Test (RIST) for Determining Sentence Intelligibility in Noise

Author(s): JJ Soporowski 111 Annual Conference: 1992, Vol. 7

Paper ID: 92-78.02

Modeling Techniques for a HUD Noise Assessment Study

Author(s): HM Sung, W Bowlby, RL Wayson

Annual Conference: 1992, Vol. 7

Paper ID: 92-78.03

Reference Mean Emission Levels for Traffic Noise: The Florida Experience

Author(s): RL Wayson, TWA Ogle Annual Conference: 1992, Vol. 7

Paper ID: 92-78.06

Noise Barrier Design Alternatives for a Proposed Natural Gas Compressor Station

Author(s): P Yodnane, MT Perry, LC Shumway

Annual Conference: 1992, Vol. 7

Paper ID: 92-78.07

Power Plant Impact on Surrounding Community

Author(s): H Khosrovani, MS Atwal Annual Conference: 1992, Vol. 7

Paper ID: 92-78.08

Exposure Levels to Formaldehyde during Student Laboratories

Author(s): M Poslusny, RJ Sullivan, M Daniel

Annual Conference: 1992, Vol. 5

Paper ID: 92-79.02

Generation of Chloroform in Homes

Author(s): RL Corsi, P Martos, L DeBruin

Annual Conference: 1992, Vol. 5

Paper ID: 92-79.04

Potential Indoor Air Contaminants from Adhesives and Sealants

Author(s): KA Scott, MB Stockton Annual Conference: 1992, Vol. 5

Paper ID: 92-79.05

A Parameterized Model for the Estimation of Sorption and Deposition of Gases, Vapors and Particles in Indoor Air Ouality Models

Author(s): MP Ligocki, BR Weir, RE Looker

Annual Conference: 1992, Vol. 5

Paper ID: 92-79.07

Mixing of a Point Source Pollutant within an Isolated Room

Author(s): AV Baughman, AJ Gadgil, RG Sextro

Annual Conference: 1992, Vol. 5

Paper ID: 92-79.09

Theoretical and Experimental Results Describing the Adsorption of VOCs onto Activated Carbon Fibers

Author(s): MP Cal, SM Larson, MJ Rood

Annual Conference: 1992, Vol. 5

Paper ID: 92-79.11

Analysis and Modeling of p-Dichlorobenzene

Concentrations in a Room-Size Chamber for Assessment of Reversible Indoor Sinks

Author(s): ED Johnson, MD Koontz, NL Nagda

Annual Conference: 1992, Vol. 5

Paper ID: 92-79.12

Ozone and Carpets: Chemistry with Implications for Indoor Environments

Author(s): CJ Weschler, AT Ahodgson, JD Wolley

Annual Conference: 1992, Vol. 5

Paper ID: 92-79.13

Transformations, Lifetimes and Sources of NO HONO and HNO in Indoor Environments

Author(s): CW Spicer, DV Kenny, GF Ward

Annual Conference: 1992, Vol. 5

Paper ID: 92-79.14

Emissions of Volatile Organic Compounds from New Carpets Measured in a Large-Scale Environmental Chamber

Author(s): AT Hodgson, JD Wooley, JM Daisey

Annual Conference: 1992, Vol. 5

Paper ID: 92-79.15

Black Carbon Aerosol Output from a Photocopier

Author(s): RC Schnell, GA Allen, ADA Hansen

Annual Conference: 1992, Vol. 5

Paper ID: 92-79.17

Evaluation of NO Measurement Methods for Indoor Air Quality Applications

Author(s): CW Spicer, DV Kenny, GF Ward

Annual Conference: 1992, Vol. 5

Paper ID: 92-80.01

${\it Amperometric \ Gas \ Sensors \ at \ the \ Part-Per-Billion \ Level:}$

Shrinking the Size While Improving Performance

Author(s): WR Penrose, WJ Buttner, MW Findlay

Annual Conference: 1992, Vol. 5

Paper ID: 92-80.03

Comparison of Carbon Monoxide Measurement Methods

Author(s): K Lee, Y Yanagisawa, JD Spengler

Annual Conference: 1992, Vol. 5

Paper ID: 92-80.04

Testing of a Calibration Method for Nephelometric Particle Mass Monitors to Environmental Tobacco Smoke

Author(s): JA Ross, EM Sterling Annual Conference: 1992, Vol. 5

Paper ID: 92-80.05

Measurement of CO Concentrations to Estimate Outdoor Air Ventilation Rates

Author(s): KB Levine, CW Collett, EM Sterling

Annual Conference: 1992, Vol. 5

Paper ID: 92-80.06

Field Testing of a Passive Monitor for Airborne VOCs

Author(s): R Otson, P Fellin, SE Barnett

Annual Conference: 1992, Vol. 5

Paper ID: 92-80.07

Costs of Radon Diagnostic and Mitigation in School Buildings

Author(s): KW Leovic, HE Rector, NL Nagda

Annual Conference: 1992, Vol. 5

Paper ID: 92-81.01

Comprehensive Quality Assurance of Radon Measurements Developed under the Air Force Radon Assessment and Mitigation Program (RAMP)

Author(s): CL Green, ma Grelinger, JD Flora

Annual Conference: 1992, Vol. 5

Paper ID: 92-81.02

Cold Climate Radon Mitigation-Opportunities and Perils

Author(s): KD Wiggers

Annual Conference: 1992, Vol. 5

Paper ID: 92-81.03

Estimating Long-Term Radon Concentrations from Surface Embedded 210 Po

Author(s): DJ Steck, R Lively Annual Conference: 1992, Vol. 5

Paper ID: 92-81.04

Measurement of Concentration and Size Distribution of Radon Decay Products in Homes Using Air Cleaners

Author(s): N Montassier, PK Hopke, U Shi

Annual Conference: 1992, Vol. 5

Paper ID: 92-81.05

Data Logging Systems for monitoring Long Term Radon Mitigation Experimental Programs in Schools and Other Large Buildings

Author(s): DB Harris, B Pyle Annual Conference: 1992, Vol. 5

Paper ID: 92-81.06

Comparative Foundation Air Leakage Performance of Ten Residential Concrete Basements

Author(s): DA Figley, LJ Snodgrass Annual Conference: 1992, Vol. 5

Paper ID: 92-81.07

Property Transfer Assessments Should Include Radon Gas Testing

Author(s): MA Nardi

Annual Conference: 1992, Vol. 5

Paper ID: 92-82.01

Indoor Air Quality: The Legal Landscape

Author(s): JO Neet, MS Warren, MW Cowing

Annual Conference: 1992, Vol. 5

Paper ID: 92-82.03

Methods of Generating Background Spectra for FTIR Remote Sensor Measurements

Author(s): MJ Czerniawski, CL McCauley, RH Kagann

Annual Conference: 1992, Vol. 2B

Paper ID: 92-83.01

Fourier Transform Infrared Remote Sensor Measurements of Chemical Emissions at a RCRA Treatment, Storage and Disposal Facility

Author(s): RH Kagann, DS Shoop Annual Conference: 1992, Vol. 2B

Paper ID: 92-83.02

FTIR Open-Path Site Survey of Toxic Gas Emissions at an Aluminum Smelting Plant

Author(s): RW Brandon, RL Schlosser, RH Kagann

Annual Conference: 1992, Vol. 2B

Paper ID: 92-83.03

VOC Emission Rate Determinations using Open-Path FTIR Spectroscopy during Pilot-Scale Disturbance and Remediation Activities: A Case Study Using the Ratio Technique

Author(s): RL Scotto, RJ Kricki, DE Pescatore

Annual Conference: 1992, Vol. 2B

Paper ID: 92-83.04

Application of Airborne Lidar to the Particulate Air Quality Problem in El Paso-Juarez

Author(s): JL McElroy, MR McGown, CM Edmonds

Annual Conference: 1992, Vol. 2B

Paper ID: 92-83.05

Applications of Particulate Volume Concentration

Author(s): DJ Holve, TL Harvill, MP Bonin

Annual Conference: 1992, Vol. 2B

Paper ID: 92-83.06

Discrepancies in Risk Assessment Values as a Result of Modal Assumptions

Author(s): GM Zarus, DJ Pelton, TH Pritchett

Annual Conference: 1992, Vol. 1A

Paper ID: 92-84.02

Development of a Guidance Document for the Application of Refined Dispersion Models

Author(s): JS Touma, DA Guinnup, TO Spicer

Annual Conference: 1992, Vol. 1A

Paper ID: 92-84.03

Predictions of Ambient Air Quality Associated with Air Toxics Emissions from a Hazardous Waste Treatment Facility in Alberta

Author(s): mb Schroeder, BZ Kucewicz, KJ Hansen

Annual Conference: 1992, Vol. 1A

Paper ID: 92-84.04

Analytical Solution to Steady-State Diffusional Flux of Trace Gases Emitted from Point Sources in Landfills

Author(s): RJ Lang, G Tchobaoglous Annual Conference: 1992, Vol. 1A

Paper ID: 92-84.06

An Air Quality Modeling System with an Automated Approach for Risk Integration

Author(s): JF Takacs, LA Labrie, M Marchlik

Annual Conference: 1992, Vol. 1A

Paper ID: 92-84.07

Comparison of ISC and HEM Modeling Approaches and Evaluation of Other Toxic Risks Uncertainties

Author(s): RD Parmley, sa Smith, PR Yedanpalli

Annual Conference: 1992, Vol. 1A

Paper ID: 92-84.08

Comprehensive Health Risk Assessments for a Multi-Source/Multi-Pollutant Facilities

Author(s): DJ Fox, PA Shue, M Heydari Annual Conference: 1992, Vol. 1A

Paper ID: 92-84.09

Improved Methods for Wet Deposition Modeling for Waste Combustion Risk Assessments

Author(s): E Liebsch

Annual Conference: 1992, Vol. 1A

Paper ID: 92-84.11

Modeling of Air Toxics with the Urban Airshed Model

Author(s): MP Ligocki, GZ Whitten Annual Conference: 1992, Vol. 1A

Paper ID: 92-84.12

Controlling Chromium Emissions from Industrial Process Cooling Towers

Author(s): RJ Marinshaw

Annual Conference: 1992, Vol. 1A

Paper ID: 92-84.13

A Comparison Evaluation of Metal Emissions and Human Health Risks from Inhalation of Metals Emitted from Waste and Coal Combustors

Author(s): KA Macoskey, A Roffman, MK Lentz

Annual Conference: 1992, Vol. 1A

Paper ID: 92-84.14

Model Calculations of the Annual Atmospheric Deposition of Toxic Metals to Lake Michigan

Author(s): TL Clark, P Blakley, G Mapp Annual Conference: 1992, Vol. 1A

Paper ID: 92-84.17

A Resource Efficient Methodology for Establishing Hazardous Waste Pre-Acceptance Criteria

Author(s): BK Lockard, TJ Prince Annual Conference: 1992, Vol. 1A

Paper ID: 92-84.18

Indoor-Outdoor PM Measurements at Five Houses: NE, NW, SE, SW and Downtown in Mexico City

Author(s): YI Falcon, RM Estrada, A Espitia

Annual Conference: 1992, Vol. 1A

Paper ID: 92-84.19

Continued Improvements to the Interactive Model TSCREEN

Author(s): JS Touma, K Stroupe Annual Conference: 1992, Vol. 1A

Paper ID: 92-84.20

Comparing Nonmethane Organic Compounds, NOx and Daily Maximum Ozone Concentrations by Site and by Year

Author(s): RA McAllister, PL O'Hare, JE Robbins

Annual Conference: 1992, Vol. 14

Paper ID: 92-85.01

Development of an Improved Urban Airshed Modeling System

Author(s): JM Godowitch, RT Tang, JS Newsom

Annual Conference: 1992, Vol. 14

Paper ID: 92-86.02

Guidance for Evaluating Photochemical Model Performance

Author(s): SD Reynolds, PM Roth, TW Tesche

Annual Conference: 1992, Vol. 14

Paper ID: 92-86.03

Simulation of Ozone Reduction Strategies for Mexico City Utilizing the Urban Airshed Model

Author(s): SM Greenfield, GZ Whitten, TC Myers

Annual Conference: 1992, Vol. 14

Paper ID: 92-86.04

Sensitivity Analysis of the Diagnostic Wind Model in the San Diego Air Quality Study

Author(s): LR Mendez-Nunez, HW Balentine

Annual Conference: 1992, Vol. 14

Paper ID: 92-86.05

Ozone Episode Typing and the Potential Contribution of Stratospheric Ozone to Ozone Exceedances in the Lakes Charles, Louisiana Area

Author(s): HW Balentine, SJ Strasser Annual Conference: 1992, Vol. 14

Paper ID: 92-86.06

A Particle-Grid Air Quality Modeling Approach-The Dispersion Aspect

Author(s): DP Chock, SL Winkler Annual Conference: 1992, Vol. 14

Paper ID: 92-86.07

The Design of the SARMAP Modeling System

Author(s): A Venkatram, N Seaman, J Chang

Annual Conference: 1992, Vol. 14

Paper ID: 92-86.08

On the Design of the Modeling Domain for Regulatory Applications of the Urban Airshed Model

Author(s): G Sistla, R Henry, st Rao Annual Conference: 1992, Vol. 14

Paper ID: 92-86.09

$Overview\ of\ the\ Variable\mbox{-}Grid\ Urban\ Airshed\ Model\ (USM-Variable\mbox{-}Grid\ Urban\ Airshed\ Model\ Urban\ Airshed\ Model\ Urban\ Airshed\ Model\ (USM-Variable\mbox{-}Grid\ Urban\ Airshed\ Model\ Urban\ Airshed\ Model\ Urban\ Airshed\ Model\ (USM-Variable\mbox{-}Grid\ Urban\ Airshed\ Model\ Urban\ Mod$

V)

Author(s): RE Morris, MA Yocke, TC Myers

Annual Conference: 1992, Vol. 14

Paper ID: 92-86.10

Use of the Urban Airshed Model to Generate and Evaluate Regional-Specific Reactivity Adjustment Factors

Author(s): M Smylie, GZ Whitten Annual Conference: 1992, Vol. 14

Paper ID: 92-86.12

Lake Michigan Ozone Study

Author(s): NE Browne

Annual Conference: 1992, Vol. 14

Paper ID: 92-87.01

Multistate Ozone Control Strategy Development in the Lake Michigan Region

Author(s): SL Gerritson

Annual Conference: 1992, Vol. 14

Paper ID: 92-87.02

Lake Michigan Ozone Control Program: Model Application Plans

Author(s): SD Reynolds, PM Roth, M Koerber

Annual Conference: 1992, Vol. 14

Paper ID: 92-87.03

Increasing the Accuracy of Hourly Emission Estimates Using Day-Specific Data in the Lake Michigan Ozone Study

Author(s): RJ Dickson, KK Mayernkar, J Laas

Annual Conference: 1992, Vol. 14

Paper ID: 92-87.04

Data Analysis for the Lake Michigan Ozone Study

Author(s): PT Roberts, TS Dye, HH Main

Annual Conference: 1992, Vol. 14

Paper ID: 92-87.05

Meteorological Patterns Associated with High Ozone Concentrations during the Lake Michigan Ozone Study

Author(s): SR Hanna, CM Haga, JC Chang

Annual Conference: 1992, Vol. 14

Paper ID: 92-87.06

Upper Air Meteorological Measurements for the Lake Michigan Ozone Study

Author(s): CG Lindsey, TS Dye, EM Prins

Annual Conference: 1992, Vol. 14

Paper ID: 92-87.07

Planning for the 1991 LMOS Field Program: A Comparison of Lake Michigan Ozone Study with the Great Lakes Atmospheric Characterization Experiment

Author(s): JD Chazin, M Koerber Annual Conference: 1992, Vol. 14

Paper ID: 92-87.09

The Use of a Mesoscale Prognostic Model to Design a Field Tracer Experiment for the Lake Michigan Ozone Study

Author(s): WA Lyons, JL Eastman, RA Pielke

Annual Conference: 1992, Vol. 14

Paper ID: 92-87.10

Intermittent Control Measures: An Approach To Supplement Continuous Control Toward Meeting Clean Air Standards

Author(s): L van Ommering Annual Conference: 1992, Vol. 14

Paper ID: 92-88.01

Failure to Meet Requirements of the Clean Air Act for Ozone and Carbon Monoxide

Author(s): AT Creekmore, Jr. Annual Conference: 1992, Vol. 14

Paper ID: 92-88.05

TVA's Actions to Comply with Phase 1 of the Clean Air Act Amendments of 1990

Author(s): JL Golden, AJ Sacks Annual Conference: 1992, Vol. 14

Paper ID: 92-88.06

Calculation of the Rate of Progress Requirements for Ozone Nonattainment Areas

Author(s): SC Holman

Annual Conference: 1992, Vol. 14

Paper ID: 92-88.07

Air Quality Responses to NO x Reductions: Analysis of ROMNET Results

Author(s): JB Milford, D Gao, MT Odman

Annual Conference: 1992, Vol. 14

Paper ID: 92-89.02

Evaluation of the Efficacy of NO x Controls in Ozone Nonattainment Areas under Section 182 (f) of the 1990 Clean Air Act Amendments

Author(s): VM Sadeghi, L Bruckman, HW Balentine

Annual Conference: 1992, Vol. 14

Paper ID: 92-89.03

Strategies for Reducing Ozone Pollution in Atlanta, GA: Analysis of Biogenics and Implications of NOx Controls

Author(s): KL Smith

Annual Conference: 1992, Vol. 14

Paper ID: 92-89.05

Quality Indicators in a Computerized Technology Information System

Author(s): CA Mancuso, RA Hyde, KA Daum

Annual Conference: 1992, Vol. 8A

Paper ID: 92-9.02

Planning Ahead to Get the Quality of RI Data Needed for Remedy Selection: Applying the Data Quality Objectives (DQO) Process to Superfund Remedial Investigations

Author(s): DI Michael

Annual Conference: 1992, Vol. 8A

Paper ID: 92-9.03

Data Quality Issues Related to the Use of Immunoassay Screening Techniques for Site Assessment and Monitoring

Author(s): LD Ogle, RF Moseman, KR Carter

Annual Conference: 1992, Vol. 8A

Paper ID: 92-9.04

Holding Time Study as a QA Corrective Action Measure for Soil Analysis of Volatile Organic Compounds

Author(s): JD Evans, TW Jackson, PR de Percin

Annual Conference: 1992, Vol. 8A

Paper ID: 92-9.05

Selecting Data Quality Objectives for the Implementation of Soil and Groundwater Remediation Technologies

Author(s): G Robbins, B Hoda Annual Conference: 1992, Vol. 8A

Paper ID: 92-90.6

Surface Coating Free Materials and Reduction of VOC Emissions from Coating Operations

Author(s): M Kosusko, CM Northeim, MW Moore

Annual Conference: 1992, Vol. 15

Paper ID: 92-90-02

Commuter Exposure to Volatile Organic Compounds in Taipei City

Author(s): CC Chan, SH Lin, GR Her Annual Conference: 1992, Vol. 7

Paper ID: 92-91.01

The Transportation Fuel Challenge

Author(s): TJ Clossey

Annual Conference: 1992, Vol. 7

Paper ID: 92-91.02

Development of Exposure and Toxicity Data for Diesel Exhaust in California

Author(s): JE Denton, SV Dawson, KV Hughes

Annual Conference: 1992, Vol. 7

Paper ID: 92-91.05

California's Phase 2 Reformulated Gasoline Programs

Author(s): RD Fletcher, DE Donohue Annual Conference: 1992, Vol. 7

Paper ID: 92-91.06

The Effects of Using Oxygenated Fuels on the Concentration of Carbon Monoxide in Denver

Author(s): LG Anderson, CM Machovec, JA Lanning

Annual Conference: 1992, Vol. 7

Paper ID: 92-91.07

CFCs: An Industry Update for Large Tonnage Chillers and Alternative Chillers

Author(s): EL Smithart

Annual Conference: 1992, Vol. 15

Paper ID: 92-93.01

Evaluation of Selected Perfluorocarbons as Streaming Agents for Fire Fighting

Author(s): JR Folden, RE Tapscott Annual Conference: 1992, Vol. 15

Paper ID: 92-93.02

Environmental, Health & Safety Impacts of Alternatives to Ozone Depleting Solvents

Author(s): FA Marion

Annual Conference: 1992, Vol. 15

Paper ID: 92-93.03

Integrating Management Philosophy and Engineering Efforts to Find Alternatives to Ozone Depleting Solvent (ODS) Cleaning of Inertial Guidance and Navigation Components

Author(s): GB Letourneau, DE Hunt Annual Conference: 1992, Vol. 15

Paper ID: 92-93.04

Evaluation the Effectiveness of Alternatives to Ozone Depleting Solvents

Author(s): ML McCullough, DR Gold Annual Conference: 1992, Vol. 15

Paper ID: 92-93.05

Alternatives for CFC-113 and TCA in Metals and Electronic Cleaning Operations

Author(s): CA Illig, RJ Weisman Annual Conference: 1992, Vol. 15

Paper ID: 92-93.06

Options to Reduce/Eli mate Ozone-Depleting Substances at McClellan AFB, California

Author(s): PK Beekley, L Lankford Annual Conference: 1992, Vol. 15

Paper ID: 92-93.07

Air Emissions Results, Air Toxic Source Control and Control Technology Options for POTWS

Author(s): JR Witherspoon, WJ Bishop, TR Card

Annual Conference: 1992, Vol. 4

Paper ID: 92-94.01

The Impacts of the New Clean Air Act on Municipal Waste Treatment Facilities

Author(s): DR Patrick

Annual Conference: 1992, Vol. 4

Paper ID: 92-94.02

Commercial Bleach Discharges and Chloroform Formation in Sewers

Author(s): KA O'Neill, RL Corsi, P Martos

Annual Conference: 1992, Vol. 4

Paper ID: 92-94.03

Volatile and Semi-Volatile Organic Compound Emissions from Sewer Drop Structures

Author(s): RL Corsi, L Kalich, J Shepherd

Annual Conference: 1992, Vol. 4

Paper ID: 92-94.04

Reductions in Potential Toxic and ROG Emissions Using Air Activated Sludge as Biofiltration

Author(s): C Martinez, M Olden, C McCalla

Annual Conference: 1992, Vol. 4

Paper ID: 92-94.05

Investigation of the Fate of Volatile Organic Compounds in Fixed Film Wastewater Treatment Systems

Author(s): H Monteith, H Melcer, JP Bell

Annual Conference: 1992, Vol. 4

Paper ID: 92-94.06

Competition Between Biodegradation and Volatilization in Wastewater Biotreatment Systems

Author(s): PT Sun, CL Meyer, S Rajagopalan

Annual Conference: 1992, Vol. 4

Paper ID: 92-94.07

Measurement of Toxic Air Contaminants from an Industrial Wastewater Treatment Plant

Author(s): RR Boyd, JA Nottili, CE Schmidt

Annual Conference: 1992, Vol. 4

Paper ID: 92-94.08

Long Term Indirect Monitoring of Hazardous Air Pollutants from the Processes at an Industrial Wastewater Treatment Plant at Hill Air Force Base, Utah

Author(s): JH Stallings, LJ Garner Annual Conference: 1992, Vol. 4

Paper ID: 92-94.09

Comparative Study of Air Toxic Organic Emissions from POTW Processes

Author(s): WH Buchan

Annual Conference: 1992, Vol. 4

Paper ID: 92-94.10

Measurement of VOC Emissions from Wastewater Treatability Units

Author(s): MP McSherry, GM Davis, RJ Falco

Annual Conference: 1992, Vol. 4

Paper ID: 92-94.11

Applications of Henry's Law to Waste and Process Water VOC Emissions

Author(s): CN Click

Annual Conference: 1992, Vol. 4

Paper ID: 92-94.13

Modeling Air Toxic Emissions from the Liquid Surfaces of an Industrial Wastewater Treatment Facility

Author(s): TR Card, pr Benson Annual Conference: 1992, Vol. 4

Paper ID: 92-94.14

Toxic Air Emissions Management in Landfill Leachate Pretreatment

Author(s): GL Stewart, C Gatlin Annual Conference: 1992, Vol. 4

Paper ID: 92-94.15

Uncertainty Analysis of Health Risk Estimates-Application to Power Plant Emissions

Author(s): E Constantinou, C Seigneur, T Permutt

Annual Conference: 1992, Vol. 16

Paper ID: 92-95.01

The Impact of Exposure Assessment Assumptions and Procedures on Estimates of Risk Associated with Exposure to Toxic Air Pollutants

Author(s): DR Patrick

Annual Conference: 1992, Vol. 16

Paper ID: 92-95.02

Stochastic Health Risk Assessments: Case Studies in California AB 2588 Air Toxics Hot Spots Alternative Analyses

Author(s): MT Alberts, JD Rouge Annual Conference: 1992, Vol. 16

Paper ID: 92-95.03

Intermedia Transfer Factors for Volatile Aromatic Hydrocarbons

Author(s): V Pesinova, L Creelman, AM Winer

Annual Conference: 1992, Vol. 16

Paper ID: 92-95.04

National Research Council Study on Risk Assessment of Hazardous Air Pollutants

Author(s): DD Stine

Annual Conference: 1992, Vol. 16

Paper ID: 92-95.05

Progress Report-EPA's Implementation of Section 112 (g) of the New Clean Air Act

Author(s): TJ Smith, JC Kenkel Annual Conference: 1992, Vol. 13

Paper ID: 92-97.01

Delegation of Federal Air Toxics Regulatory Programs to States

Author(s): TJ Ream, TJ Mohin Annual Conference: 1992, Vol. 13

Paper ID: 92-97.02

Impact of 1990 Clean Air Act Amendments on California's Clean Air Programs

Author(s): JLM Koehler, WW Sylte, WE Steiner

Annual Conference: 1992, Vol. 13

Paper ID: 92-97.03

Texas Perspective on Emission Averaging in the MACT Standards

Author(s): KNT Olson

Annual Conference: 1992, Vol. 13

Paper ID: 92-97.04

Evaluation of State Regulatory Initiatives for Assessing Peak Exposures to Air Toxics

Author(s): GK Whitmyre, SR Baker, DA Sullivan

Annual Conference: 1992, Vol. 13

Paper ID: 92-97.05

Louisiana Air Toxics Regulation Development

Author(s): J Brouillette

Annual Conference: 1992, Vol. 13

Paper ID: 92-97.07

State Air Toxics Programs and the Federal Clean Air Act National Consistency vs. Local Autonomy

Author(s): S Hill

Annual Conference: 1992, Vol. 13

Paper ID: 92-97-08

Examining Gas-Liquid Mass Transfer of Volatile and Semi-Volatile Organic Compounds along Sewer Reaches

Author(s): RL Crosi, J Shepherd Annual Conference: 1992, Vol. 6

Paper ID: 92-98.01

Development of Air Toxics Emission Factors for Petroleum Industry Combustion Devices

Author(s): DW Hansell, GC England, N Soelberg

Annual Conference: 1992, Vol. 6

Paper ID: 92-98.02

Air Toxic Emissions from Burning of Biomass Globally-Preliminary Estimates

Author(s): DE Ward, WM Hao Annual Conference: 1992, Vol. 6

Paper ID: 92-98.03

Strategies for Improving HAP Emission Factors and Profiles for the Petroleum Industry

Author(s): HJ Taback, G Lauder, LK Gilmer

Annual Conference: 1992, Vol. 6

Paper ID: 92-98.04

Volatile Emissions from Stabilization/Solidification of Hazardous Waste

Author(s): AL Sykes, WT Preston, DW Grosse

Annual Conference: 1992, Vol. 6

Paper ID: 92-98.07

Experiences in Using California AB-2588 Toxics Data for Development of Emission Factors and a Comparison of EPA and CARB Test Methods

Author(s): SK Clayton, TK Moody, AA Pope

Annual Conference: 1992, Vol. 6

Paper ID: 92-98.08

Evaluation of VOST and Semi-Vost Methods for Halogenated Compounds in the Clean Air Act Amendments Title 111, Bench and Laboratory Studies

Author(s): MD Jackson, JE Knoll, MR Midgett

Annual Conference: 1992, Vol. 2B

Paper ID: 92-99.01

Continuous Measurement of VOC Emissions from Chemical Process and Storage Tank Vents with Highly Variable Flows

Author(s): SC Steinberger, CA Sibol Annual Conference: 1992, Vol. 2B

Paper ID: 92-99.03

Development of Stationary Source Emission Measurement Methods of Hexavalent Chromium and Nickel Speciation for Sewage Sludge Incinerators

Author(s): SC Steinberger, WG DeWees, HE Bostian

Annual Conference: 1992, Vol. 2B

Paper ID: 92-99.04

Technical Aspects of U.S. EPA's FTIR Development Projects

 $\begin{array}{lll} \mbox{Author(s): } GM \mbox{ Plummer, } LT \mbox{ } Lay \\ \mbox{Annual Conference: } 1992, \mbox{ } Vol. \mbox{ } 2B \end{array}$

Paper ID: 92-99.05

A Field Testing Using EPA Method 301

Author(s): RS Berry

Annual Conference: 1992, Vol. 2B

Paper ID: 92-99.06

Development and Validation of a Sampling Method for Air Toxics from a Plastisol Curing Process

Author(s): DE Ostaszewski Annual Conference: 1992, Vol. 2B

Paper ID: 92-99.07

EPA Method 18 Adsorbent Tube Procedure: Quality

Assurance Concerns

Author(s): SJ Eckard

Annual Conference: 1992, Vol. 2B

Paper ID: 92-99.08

U.S. EPA Application of FTIR for Determination of Title 111 Air Toxic Emissions

Author(s): LT Lay, GM Plummer Annual Conference: 1992, Vol. 2B

Paper ID: 92-99.09

Highlights and Current Agency Experience with Method 301-Field Validation of Emission Concentrations from Stationary Sources

Author(s): RR Segall

Annual Conference: 1992, Vol. 2B

Paper ID: 92-99.11

Stability of Air Toxic Gases Listed in Title 111 Clean Air Act Amendments

Author(s): RKM Jayanty, LB Jaffe, JR Albritton

Annual Conference: 1992, Vol. 2B

Paper ID: 92-99.12

Recovery and Recycling of Chlorinated Solvents from Industrial Air Emissions

Author(s): RE Kenson

Annual Conference: 1992, Vol. 4

Paper ID: 94-114.02

Membrane Vapor Separation Systems for the Recovery of VOCs

Author(s): RW Baker, J Kaschemekat, JG Wijmans

Annual Conference: 1992, Vol. 4

Paper ID: 94-114.03

Waste Treatment and VOC Capture and Recovery using Closed Looped Control System

Author(s): M Ramaratnam, JR Graham Annual Conference: 1992, Vol. 4

Paper ID: 94-114.04

Corona Destruction: An Innovative Control Technology for VOCs and Air Toxics

Author(s): CM Nunez, GH Ramsey, WH Ponder

Annual Conference: 1992, Vol. 4

Paper ID: 94-114.05

A Comprehensive Approach to Reducing Hazardous Waste

Author(s): GS Gasperino

Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.1

Halon Replacement Program in the U.S. Air Force

Author(s): JR Floden, JS Nimitz Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.11

Navy's Air Pollution Compliance Program

Author(s): D Carpenter

Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.12

Navy Air Emission Tracking System

Author(s): CH Ruf, BR Hickenbottom Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.13

Preliminary Analysis of the Clean Air Act Amendments on DOD

Author(s): M Stunder, D Pelton, G Rapier, G Zarus, V

Crawford

Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.14

U.S. Air Force Implementation of DoD Pollution Prevention Plans-- Strategy, Policies and Regulations

Author(s): JJ Short, RK Salomon Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.15

Evaluation of Environmentally Acceptables Coal Combustion Technology to Increases Coal Use at CONUS Air Force Bases

Author(s): F Beason, B Schilling, JF Thomas

Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.16

A Trend for the Future: Experience with the California Hot Spots and Clean Air Legislation at Air Force Installations

Author(s): PT Scott, RW Vaughn Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.17

Plastic Media Blasting (PMB) Waste Treatment Technology

Author(s): H Jermyn, RP Wichner Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.18

Hazardous Waste Minimization Efforts at the Air Force Engineering and Services Center

Author(s): CJ Carpenter, H Jermyn Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.19

Experience with the California Toxic Hot Spot Regulations at an Air Force Installation

Author(s): PK Beekley, C Miles Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.2

Central Heating Plant Operation and Maintenance Training

Author(s): MJ Savoie, GW Schanche, FL Beason

Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.21

Low NOx Burner Retrofits: Case Studies

Author(s): NJ Potts, MJ Savoie Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.22

Central Heating Plant Particulate Emission Reduction Through Operation and Maintenance

Author(s): MJ Savoie, JE Davidson Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.23

AQUIS: An Air Quality and Permit Information Management System

Author(s): AE Smith, CC Huber, J Tschanz, AJ Ryckman

Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.24

Hazardous Material Minimization in the U.S. Department of Defense Acquisition Process: Air Force Systems Command Perspective

Author(s): BD McCarty

Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.25

CFC and Halon Recovery, Recycling and Reclamation

Author(s): TA Moore, TD McCarson, Jr. Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.27

U.S. Air Force Radon Assessment and Mitigation Program (RAMP): Experience and Lessons Learned

Author(s): EF Maher, DR Case Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.28

Hazardous Waste Minimization and Hazardous Materials Management Issues at Air Force Logistics Command

Author(s): G Annamraju, CB Fortenberry Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.3

U.S. Army Material Command Environmental Auditing Program

Author(s): DM Benton

Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.31

Preliminary Evaluation of the Environmental, Economic and Materials Effects of Military Aircraft Coatings Removal Using the Carbon Dioxide Pellet Blasting Process

Author(s): RB Ivey

Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.33

Department of Defense Program on Chlorofluorocarbon (CFC) and Halon Reduction: Conservation, Recovery and Banking

Author(s): ET Morehouse

Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.35

Summary of Joint DoD/EPA Research to Control VOCs and Toxic Emissions

Author(s): CH Darvin, JD Wander Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.36

VOC Levels in Surface Coatings Used by the Department of Defense

Author(s): ME McKnight, T Lewicki Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.37

The Department of Defense Environmental Program-Status, Issues and Challenges

Author(s): PLD Janssen

Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.39

Transportation Control Measures at McCleelan Air Force Base

Author(s): J Carroz

Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.4

Department of Energy Solvent Substitution

Author(s): AE Copeland

Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.6

Promoting Healthy Occupational environments through Information Exchange: Development and Implementation of an Advanced Occupational/Environmental Health Surveillance Systems

Author(s): PG Brown, JW Campbell Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.7

Impacts of the New Clean Air Act on DOD Installations: A Legal Perspective

Author(s): ED Hoard, JS Cohen, M Donnelly

Annual Conference: 1991, Vol. 10B

Paper ID: 91-10.8

Bay Area Air Quality Management District Inspection Procedures for Industrial Sources

Author(s): JR Bean, KJ Wee, BR Griswold, Jr.

Annual Conference: 1991, Vol. 9A

Paper ID: 91-100.2

California's Approach to Compliance Inspector Safety

Author(s): MM Boyer, JJ Morgester Annual Conference: 1991, Vol. 9A

Paper ID: 91-100.3

Inspection Procedure for the Metal, Plastic and Aerospace Coating Industries

Author(s): C Beddow

Annual Conference: 1991, Vol. 9A

Paper ID: 91-100.4

Air Pollution Source Inspection Health and Safety

Author(s): J Richards, C Pratt Annual Conference: 1991, Vol. 9A

Paper ID: 91-100.5

A Case Study: Washington State's Solid Waste Facility Operators and Inspectors Certification Program Chapter 70.95D RCW and Chapter 173-300 WAC

Author(s): DH Dubreuil

Annual Conference: 1991, Vol. 9A

Paper ID: 91-100.6

Using Quality Tools to Address Environmental Problems

Author(s): JL Hansen, RL Berglund Annual Conference: 1991, Vol. 14

Paper ID: 91-101.1

Pollution Prevention Through Design with Taguchi and Quality Function Deployment (QFD)

Author(s): CM Overby, ST Fleischmann Annual Conference: 1991, Vol. 14

Paper ID: 91-101.3

Total Quality Management Applications at the U.S. Environmental Protection Agency

Author(s): NW Wentworth Annual Conference: 1991, Vol. 14

Paper ID: 91-101.5

Do It Right the First Time: Total Quality Management and Environmental Management

Author(s): LA Spurlock, PA Messenger Annual Conference: 1991, Vol. 14

Paper ID: 91-101.6

Emissions Reductions with Clean Coal Technologies: A Status Report on the Clean Coal Technology Program of the U.S. Department of Energy

Author(s): J Pell, CL Miller Annual Conference: 1991, Vol. 9A

Paper ID: 91-102.1

Current Status of ADVACATE Process for Flue Gas Desulfurization

Author(s): BW Hall, C Singer, W Jozewicz

Annual Conference: 1991, Vol. 9A

Paper ID: 91-102.2

Demonstration of Commercial Scale Coat-Fired Advanced Combustion Systems

Author(s): DF Gyorke, LA Ruth, MN Mansour, RW Breault

Annual Conference: 1991, Vol. 9A

Paper ID: 91-102.3

Demonstration of Advanced Tangentially-Fired Combustion Techniques for the Reduction of Nitrogen Oxide Emissions from Coal-Fired Boilers

Author(s): RR Hardman, SM Wilson, LL Smith, L Larsen

Annual Conference: 1991, Vol. 9A

Paper ID: 91-102.4

Results of Operations of Magnesium Enhanced Lime Flue Gas Desulfurization and Denitrification Pilot Plant

Author(s): LB Benson

Annual Conference: 1991, Vol. 9A

Paper ID: 91-102.6

Coolside Desulfurization Process Demonstration at Ohio Edison Edgewater Power Station

Author(s): H Yoon, RM Statnick, JA Withum, DC McCoy

Annual Conference: 1991, Vol. 9A

Paper ID: 91-102.8

South Coast Air Quality Management District Permitting Experience for Control of Air Toxics

Author(s): R Pease

Annual Conference: 1991, Vol. 9A

Paper ID: 91-103.1

Technology for Controlling Air Toxic Emission

Author(s): JY Hsieh, KS Kumar Annual Conference: 1991, Vol. 9A

Paper ID: 91-103.11

Biofiltration Control of Hydrogen Sulfide Emissions

Author(s): ER Allen, Y Yang Annual Conference: 1991, Vol. 9A

Paper ID: 91-103.12

Development of an Advanced Control Device for Fine Particulates

Author(s): LA Smolensky, SR Wysk, CE Schmidt

Annual Conference: 1991, Vol. 9A

Paper ID: 91-103.13

Fate of Trace Elements in Coal-Fired Power Plants

Author(s): F Meserole, G Behrens Annual Conference: 1991, Vol. 9A

Paper ID: 91-103.14

Air Toxics Emissions from Municipal, Hazardous and Medical Waste Incinerators and the Effect of control Equipment

Author(s): PC Siebert, DA Guiden Annual Conference: 1991, Vol. 9A

Paper ID: 91-103.15

Application of Biofiltration to the Control of Air Toxics and Other VOC Emissions

Author(s): G Leson, AM Winer, DS Hodge

Annual Conference: 1991, Vol. 9A

Paper ID: 91-103.17

Biofiltration A Lean Emissions Abatement Technology

Author(s): S Dharmavaram
Annual Conference: 1991, Vol. 9A

Paper ID: 91-103.2

Emissions and Control of Toxics from Fuel Combustion Sources

Author(s): M Saeger, CR Newman, T Young

Annual Conference: 1991, Vol. 9A

Paper ID: 91-103.21

Evaluating Power Plant Control Strategies for Air Toxics

Author(s): ES Rubin, JS Salmento, W Chow

Annual Conference: 1991, Vol. 9A

Paper ID: 91-103.22

Sulfur Dioxide Removal By Reaction with Ammonia Gas to Form Solid Products

Author(s): H Bai, P Biawas, TC Keener Annual Conference: 1991, Vol. 9A

Paper ID: 91-103.24

Factors that Can Influence and Control the Emissions of Dioxins and Furans from Hazardous Waste Incinerators

Author(s): P Acharya, SG DeCicco, RG Novak

Annual Conference: 1991, Vol. 9A

Paper ID: 91-103.28

A Systems Approach to Controlling Chrome Electroplating Emissions

Author(s): FR Weintraub, CA Popejoy Annual Conference: 1991, Vol. 9A

Paper ID: 91-103.29

Toxic Emissions Associated with Co-Firing Fuels

Author(s): DC Junge

Annual Conference: 1991, Vol. 9A

Paper ID: 91-103.3

Selection of MACT Technology Do's and Don'ts

Author(s): S Viswanathan, H Lannefors Annual Conference: 1991, Vol. 9A

Paper ID: 91-103.31

Removal of Air Pollutants from Museum Display Cases

Author(s): SS Parmar, D Grosjean Annual Conference: 1991, Vol. 9A

Paper ID: 91-103.32

Mercury Control at Burnaby's Municipal Waste Incinerator

Author(s): TL Guest, O Knizek Annual Conference: 1991, Vol. 9A

Paper ID: 91-103.33

Handbook on Control Technologies for hazardous Air Pollutants: HAP Manual

Author(s): MK Sink, CM Nunez, JA Manning

Annual Conference: 1991, Vol. 9A

Paper ID: 91-103.4

Air Toxic Control Technologies for Industrial Applications

Author(s): RP Casill, J Laznow Annual Conference: 1991, Vol. 9A

Paper ID: 91-103.8

Improved ESP Performance in Spray Dryer Applications Through the Use of Addictives

Author(s): MD Durham, DB Holstein, RG Rhudy, RF Altman,

TA Burnett, HB Flora, RA Barton, CW Dawson

Annual Conference: 1991, Vol. 9A

Paper ID: 91-103.9

Leakless Valves- A Control Technology for Reducing Fugitive Emissions?

Author(s): RA Zerbonia, SB York, PF Overby, RB Lucas

Annual Conference: 1991, Vol. 9B

Paper ID: 91-104.1

High Solids, High Performance

Author(s): LS Salem, RJ Klepser Annual Conference: 1991, Vol. 9B

Paper ID: 91-104.12

Designing Effective Capture Systems for the Printing Industry

Author(s): ME Lukey, T Warlick Annual Conference: 1991, Vol. 9B

Paper ID: 91-104.14

Measuring Transfer Efficiency in Two-and Three Piece Can Coating Operations

Author(s): RM Joseph

Annual Conference: 1991, Vol. 9B

Paper ID: 91-104.2

Comparison of the Observed and Predicted VOC Collection Efficiencies in a Thin Cross Flow Adsorption Bed

Author(s): ES Larsen, MJ Pilat Annual Conference: 1991, Vol. 9B

Paper ID: 91-104.3

Advances in Supercritical Fluid Spray Application of Low-Pollution Coatings

Author(s): KA Nielsen, DJ Dickson, EJ Derderian, CW

Glancy, JD Goad, KM Perry, GC Ross Annual Conference: 1991, Vol. 9B

Paper ID: 91-104.5

State of the Art Fugitive Emissions Management System

Author(s): T Rhoads, J Howell Annual Conference: 1991, Vol. 9B

Paper ID: 91-104.7

Ultraviolet/Activated Oxygen A New Air Pollution Control Technology Come of Age

Author(s): LE Shugarman

Annual Conference: 1991, Vol. 9B

Paper ID: 91-104.9

Effect of Aeration Method on Emissions from Aeration Tanks

Author(s): AB Pincince

Annual Conference: 1991, Vol. 6B

Paper ID: 91-105.11

A Pooled Emission Estimation Program for Wastewater Treatment Facilities

Author(s): LYC Leong

Annual Conference: 1991, Vol. 6B

Paper ID: 91-105.13

Process Modifications to Reduce VOC Emissions from Wastewater

Author(s): KA O'Neill

Annual Conference: 1991, Vol. 6B

Paper ID: 91-105.2

Chemical Characterization of a Primary Wastewater Treatment Plant Emission Gas Stream

Author(s): SM Whittemore Annual Conference: 1991, Vol. 6B

Paper ID: 91-105.3

VOC Emission Control from Wastewater Treatment Facilities Using Biofiltration

Author(s): SJ Ergas

Annual Conference: 1991, Vol. 6B

Paper ID: 91-105.4

Wisconsin's Hazardous Air Pollutant Rule, Chapter NR 445 Wastewater Treatment Plant Special Study

Author(s): P Kirsop

Annual Conference: 1991, Vol. 6B

Paper ID: 91-105.6

Sewage Waste Plant- Air Emission Control

Author(s): AJ Teller

Annual Conference: 1991, Vol. 6B

Paper ID: 91-105.8

Emissions and Performance of New Generation Electronic Fuel Injected Natural Gas Engines

Author(s): A Lawson, SA Carter Annual Conference: 1991, Vol. 9B

Paper ID: 91-106.1

Cost Effectiveness Analysis of Mobile Source Controls for the Mexico City Metropolitan Area

Author(s): RF Klausmeier, LFM Garza, R Kozak

Annual Conference: 1991, Vol. 9B

Paper ID: 91-106.2

Assessment of Environmental Issues Related to the Use of Alternative Transportation Fuels-Analysis of Recent Data

Author(s): RF Klausmeier, J Draves Annual Conference: 1991, Vol. 9B

Paper ID: 91-106.3

A Characterization of Emissions from an Early Model FFV

 $\hbox{Author(s): PA Gabele, KT Knapp, RF Snow, PD Siudak, NK}$

Perry, AQ McArver

Annual Conference: 1991, Vol. 9B

Paper ID: 91-106.6

California's Low-Emission Vehicle and Clean Fuels Program

Author(s): D Donohoue, L Kao, C Marvin, B Takemoto, R

Vincent

Annual Conference: 1991, Vol. 9B

Paper ID: 91-106.7

Emission Performance of Four Identical Passenger Cars Running on Gasoline, M85, CNG and LPG

Author(s): CB Prakash

Annual Conference: 1991, Vol. 9B

Paper ID: 91-106.9

Development of a Method for Estimating Time Dependent Emission Factors for Use in Models for Dispersion in Parking Garages

 $\label{eq:Author} \mbox{Author(s): } G \mbox{ Kuntasal, } A \mbox{ Venkatram} \\ \mbox{Annual Conference: } 1991, \mbox{ Vol. } 9B$

Paper ID: 91-107.2

Speciation and Reactivity Determination of Exhaust Emissions from Low Emission Gasoline and Clean Fueled Vehicles

Author(s): P Reiger, W McMahon Annual Conference: 1991, Vol. 9B

Paper ID: 91-107.3

A Fuel Additive to Reduce Particulate Emissions from Heavy Diesel Engines

Author(s): MD Levin, JD Roth Annual Conference: 1991, Vol. 9B

Paper ID: 91-107.4

Assessing the Effects of Reformulated Gasoline on Air Ouality

Author(s): M Smylie, DR Souten, LR Chinkin

Annual Conference: 1991, Vol. 9B

Paper ID: 91-107.5

Health Assessment of Air Toxics Emissions from Alternative Fuels

Author(s): PJ Drivas, PA Valberg, TD Gauthier

Annual Conference: 1991, Vol. 9B

Paper ID: 91-107.6

Analysis of the Potential Use of Reactivity Adjusted Mobile Emissions Regulations in California

Author(s): GZ Whitten, M Smylie Annual Conference: 1991, Vol. 9B

Paper ID: 91-107.7

Ozone-Forming Potential of Emissions from Lower Aromatic Content Gasolines

Author(s): BE Croes, SK Hoekman, A Guerrero

Annual Conference: 1991, Vol. 9B

Paper ID: 91-107.8

Waste Not, Want Not: Developing a Good Environmental Database

Author(s): RA Love

Annual Conference: 1991, Vol. 14

Paper ID: 91-108.1

The Carbon Dioxide Information Analysis Center: Responding to Changing Information Needs

Author(s): FW Stoss

Annual Conference: 1991, Vol. 14

Paper ID: 91-108.11

Digging for Gems--of Information

Author(s): PA Alston

Annual Conference: 1991, Vol. 14

Paper ID: 91-108.12

Public Access to Information at the Environmental Protection Agency

Author(s): DL Ross, MP Hoffman Annual Conference: 1991, Vol. 14

Paper ID: 91-108.13

Design and Development of AIRS: Area and Mobile Source Subsystem

Author(s): ES Kimbrough, AT Kelsey Annual Conference: 1991, Vol. 14

Paper ID: 91-108.2

The Selection of Supporting Information for a Complex Remedial Investigation

Author(s): CM Olson

Annual Conference: 1991, Vol. 14

Paper ID: 91-108.3

The Air Information Center: A Gateway to the EPA's Clean Air Regulations and Technical Reports

Author(s): RK Thorn

Annual Conference: 1991, Vol. 14

Paper ID: 91-108.4

Developing a Corporate-Wide Environmental Database

Author(s): HJ Sterling, GN Jones Annual Conference: 1991, Vol. 14

Paper ID: 91-108.5

Information Needs in the Age of Abundant Information

Author(s): H Mayer, BK Jensen, RA Jensen

Annual Conference: 1991, Vol. 14

Paper ID: 91-108.6

A New Perspective on Information Management Systems for Environmental Managers

Author(s): RA Giska, VD Pierce Annual Conference: 1991, Vol. 14

Paper ID: 91-108.7

Data Management of a Multimedia Remedial Investigation Program

Author(s): S Butterfield, HV Deinse, G Rimford, J Penalba

Annual Conference: 1991, Vol. 14

Paper ID: 91-108.8

Information Resources: Feasibility of Developing a PC Based Permits Filing System

Author(s): WR Barnard

Annual Conference: 1991, Vol. 14

Paper ID: 91-108.9

Risk Appraisal for Chemical Mixtures: Assessing the Contribution of Individual Chemicals to Total Adverse Health Effects

Author(s): LC Hall, JI Daniels, TE McKone

Annual Conference: 1991, Vol. 15A

Paper ID: 91-109.1

Exposure Pathway Screening for Hazardous Waste Sites: Selecting the Dominant Set of Multimedia Pathways While Retaining Completeness and Addressing Uncertainty

Author(s): JI Daniels, TE McKone Annual Conference: 1991, Vol. 15A

Paper ID: 91-109.2

The Comparison of Health Risks Between Different Environmental Media at Superfund Hazardous Waste Sites

Author(s): RV Crume

Annual Conference: 1991, Vol. 15A

Paper ID: 91-109.4

Combining Flux Chambers and SUMMA Canisters to Estimate Very Low Chemical Emissions from Soil Surfaces

Author(s): D Ritts, D Wolbach Annual Conference: 1991, Vol. 15A

Paper ID: 91-109.5

The U.S. Department of Energy's Program for Environmental Restoration

Author(s): RP Whitfield

Annual Conference: 1991, Vol. 10B

Paper ID: 91-11.1

Hanford Cleanup Overview

Author(s): C DeFigh-Price

Annual Conference: 1991, Vol. 10B

Paper ID: 91-11.2

The Early 1990s: Laying the Foundation for Commercializing Electric Vehicles

Author(s): GH Mader

Annual Conference: 1991, Vol. 9B

Paper ID: 91-110.1

Assessing Energy Demand-Side Management as an Air Pollution Control Strategy

Author(s): MJ Jaske, TN Tutt Annual Conference: 1991, Vol. 9B

Paper ID: 91-110.2

Environmentally Driven Industrial Research at Pacific Gas & Electric Company

Author(s): gd Nugent, Y Wu Annual Conference: 1991, Vol. 9B

Paper ID: 91-110.4

Electric Vehicles and Future Air Quality in the Los Angeles

Author(s): AC Lloyd, P Wuebben, JH Leonard

Annual Conference: 1991, Vol. 9B

Paper ID: 91-110.5

Environmental Audits-The Legal Perspective

Author(s): DH Searle, MS Bingham Annual Conference: 1991, Vol. 20

Paper ID: 91-111.1

Evaluating Environmental Management: Insights Gained from Facility Audits

Author(s): TG Hanson

Annual Conference: 1991, Vol. 20

Paper ID: 91-111.2

Environmental Auditing in Canada Environment Canada's Perspective

Author(s): JS Shrives

Annual Conference: 1991, Vol. 20

Paper ID: 91-111.3

Environmental Auditing-A Management Tool in the

Canadian Context

Author(s): JW Reed

Annual Conference: 1991, Vol. 20

Paper ID: 91-111.4

Auditing of Hazardous Waste Facilities by Industry

Author(s): L Lowe

Annual Conference: 1991, Vol. 20

Paper ID: 91-111.5

Environmental Auditing-A Tool to Help Reduce Exposure to Liability

Author(s): ML Iwanski, JR Thurman Annual Conference: 1991, Vol. 20

Paper ID: 91-111.6

Environmental Assessments Versus Environmental Audits

Author(s): LE Lowe, DF Buss Annual Conference: 1991, Vol. 20

Paper ID: 91-112.1

RCRA Case Study for an Environmental Assessment Program

Author(s): ME Meyers

Annual Conference: 1991, Vol. 20

Paper ID: 91-112.11

Site Management Perspective on Environmental Assessments

Author(s): RG Estabrooke

Annual Conference: 1991, Vol. 20

Paper ID: 91-112.3

Overview of a Successful Environmental Assessment Program

Author(s): JE Sarsenski

Annual Conference: 1991, Vol. 20

Paper ID: 91-112.4

Clean Air Act Environmental Audit-A Case Study

Author(s): DJ Gunnarson

Annual Conference: 1991, Vol. 20

Paper ID: 91-112.5

Multi-National Corporate Strategy for Environmental Assessments

Author(s): EM Wunderli

Annual Conference: 1991, Vol. 20

Paper ID: 91-112.6

The Consulting Engineer's Role in Environmental Auditing

Author(s): CM Mangan, SE Rowden Annual Conference: 1991, Vol. 20

Paper ID: 91-112.7

Government's Perspective on Environmental Audits

Author(s): WT Halbleib

Annual Conference: 1991, Vol. 20

Paper ID: 91-112.8

Development of A Comprehensive Health Risk Assessment Model for Air Toxics

Author(s): KT Tran, R Sears Annual Conference: 1991, Vol. 17

Paper ID: 91-113.1

Unique Problems Associated with the Development of Risk Management Prevention Programs in the Semiconductor Industry

Author(s): WW Simmons, PL Pyle Annual Conference: 1991, Vol. 17

Paper ID: 91-113.2

Probabilistic Risk Assessment

Author(s): SL Friedman

Annual Conference: 1991, Vol. 17

Paper ID: 91-113.3

A Model Hazard Analysis Program for Managing Process Risk

Author(s): DA Moore

Annual Conference: 1991, Vol. 17

Paper ID: 91-113.4

Hazards, Risk and Emergency Planning from Uncontrolled Sour Gas Releases

Author(s): LD Holizki

Annual Conference: 1991, Vol. 17

Paper ID: 91-113.5

Risk Management and Prevention Programs: The California Program Through the California Fire Chiefs Association

Author(s): MP Younis

Annual Conference: 1991, Vol. 17

Paper ID: 91-113.6

Air Quality Management Planning for a Nuclear Industrial Facility

Author(s): DR Maxwell, GH Setlock Annual Conference: 1991, Vol. 9A

Paper ID: 91-113.7

Evacuation Decision-Making for a Toxic Gas Facility: A Human Factors Engineering Approach

Author(s): MJ Bertoni

Annual Conference: 1991, Vol. 17

Paper ID: 91-113.8

Evaluation of Water Spray Mitigation System for an Industrial Facility

Author(s): DN Blewitt, RL Petersen Annual Conference: 1991, Vol. 17

Paper ID: 91-113.9

Parking Policy and Transportation Demand Management

Author(s): CG Ulberg

Annual Conference: 1991, Vol. 9B

Paper ID: 91-114.1

Trip Reduction Effectiveness of Employer-Based

Transportation Control Measures: A Review of Empirical Findings and Analysis Tools

Author(s): EN Schreffler, JR Kuzmyak Annual Conference: 1991, Vol. 9B

Paper ID: 91-114.3

Transportation Approaches to Urban Air Quality Improvements in Scandinavia

Author(s): RE Sievert, SW Hamel, SM Falbel

Annual Conference: 1991, Vol. 9B

Paper ID: 91-114.4

An Overview of Regulation XV-Trip Reduction Program Preliminary Impact Assessment on Emission Reductions

Author(s): WL Aqueres, SJ Siwek, R Peddada

Annual Conference: 1991, Vol. 9B

Paper ID: 91-114.5

Clean Air in the FR Germany

Author(s): FW Horsch

Annual Conference: 1991, Vol. 13

Paper ID: 91-115.1

Pollution Prevention: The 3M Program and the 3M

Experience Internationally

Author(s): DM Benforado, AH Aspengren

Annual Conference: 1991, Vol. 13

Paper ID: 91-115.11

TSP and PM-10 Measurements in Mexico City, 1988-1989

Author(s): YI Falcon, A Espitia Annual Conference: 1991, Vol. 13

Paper ID: 91-115.12

Pollution Prevention in Japan

Author(s): J Kagawa

Annual Conference: 1991, Vol. 13

Paper ID: 91-115.14

The Decade of the Environment: Environmental Technology Development and Implications for Technical Information Transfer

Author(s): SD Lee

Annual Conference: 1991, Vol. 13

Paper ID: 91-115.15

Prioritizing Air Pollutant Controls for Urban Centers in Developing Countries: Mexico City as a Case Study

Author(s): PC Fernandez

Annual Conference: 1991, Vol. 13

Paper ID: 91-115.16

Industrial Waste Minimization Program in Taiwan, the Republic of China

Author(s): SR Cheng, J Shih Annual Conference: 1991, Vol. 13

Paper ID: 91-115.17

Air Pollution Policies and Regulations in Japan

Author(s): AS Voorhees

Annual Conference: 1991, Vol. 13

Paper ID: 91-115.18

Report of the Historical Trends (1989-1990) in the Levels of Ozone Monitoring at the Suburban Monitoring Station of the University of Mexico at Mexico City

Author(s): H BravoA, GR OcotiaR, R Sosa E, R TorresJ

Annual Conference: 1991, Vol. 13

Paper ID: 91-115.2

Campus Ozone Concentrations Related to New Blends in Gasoline Sold in Mexico City: A Statistical Analysis

Author(s): AG Gutierrez, AMH Hernaandez, HB Alvarez

Annual Conference: 1991, Vol. 13

Paper ID: 91-115.4

Characterization of Respirable Particulate Matter in Mexico City, Mexico

Author(s): M Barbiaux

Annual Conference: 1991, Vol. 13

Paper ID: 91-115.5

A Systematic Process for Initiating Environmental Protection Programs in Developing Countries

Author(s): R Chang, RE Sommerlad, J Lazonw

Annual Conference: 1991, Vol. 13

Paper ID: 91-115.6

Waste Prevention in the Netherlands: Results and Experiences of the PRISMA Project

Author(s): F Reijenga, R van Berlel Annual Conference: 1991, Vol. 13

Paper ID: 91-115.7

Looking at Air Monitoring Programs in Developing Countries

Author(s): WE Oslund

Annual Conference: 1991, Vol. 13

Paper ID: 91-115.9

Pollution Prevention - Waste Reduction in the Netherlands

Author(s): T. Schneider

Annual Conference: 1991, Vol. 13

Paper ID: 91-115-13

An Evaluation of Mobile Equipment and Training Applications to Support the Regional Environmental Center for Central and Eastern Europe

Author(s): TC Voltaggio, M Zickler Annual Conference: 1991, Vol. 14

Paper ID: 91-116.12

AN Environmental and Energy Overview of Poland

Author(s): N Bhatti, CB Szpunar Annual Conference: 1991, Vol. 14

Paper ID: 91-116.2

Visibility Data Filters for Europe

Author(s): BA Schichtel, rb Husar, JD Husar

Annual Conference: 1991, Vol. 14

Paper ID: 91-116.3

Air Pollution in Romania

Author(s): WV Loscutoff, SR Shafer Annual Conference: 1991, Vol. 14

Paper ID: 91-116.4

Total Human Exposure in Poland: Emphasis on Air Pollution

Author(s): JJ Wesolowski, W Jedrychowski, E Flak

Annual Conference: 1991, Vol. 14

Paper ID: 91-116.7

Assessment of Environmental Pollution Problems and Potential Solutions in the Eastern Portion of Unified Germany

Author(s): R Wunche, J Bradstreet Annual Conference: 1991, Vol. 14

Paper ID: 91-116.8

Beginning with Preschoolers: A Recycling Education Initiative

Author(s): JF Williams, ll

Annual Conference: 1991, Vol. 14

Paper ID: 91-117.1

California's Air Pollution Training Program

Author(s): MM Boyer, JJ Morgester Annual Conference: 1991, Vol. 14

Paper ID: 91-117.4

Environmental Education: Building Partnerships for Change

Author(s): Ik Bishard, HK DeGroot Annual Conference: 1991, Vol. 14

Paper ID: 91-117.7

Providing Environmental Information to Risk Takers

Author(s): JM Valenti, MA Ferguson Annual Conference: 1991, Vol. 14

Paper ID: 91-117.8

Public Information and Air Quality-Giving the People an Active Role in Reducing Air Pollution

Author(s): TE Douglas, KP Golden Annual Conference: 1991, Vol. 14

Paper ID: 91-117.9

An Expert System Approach to Screening Environmental Data at Contaminated Sites

Author(s): WW Li

Annual Conference: 1991, Vol. 1

Paper ID: 91-119.11

Analyzing Observations of Precipitation and Ambient Concentrations of Sulfur Using a Semi-Empirical Long-Range Transport Model

Author(s): A Venkatram

Annual Conference: 1991, Vol. 1

Paper ID: 91-119.12

Ambient Concentration Distributions Based on the Proportional Model for Variable Emission

Author(s): RB Watson

Annual Conference: 1991, Vol. 1

Paper ID: 91-119.13

Using Meteorological/Ozone Relationships to Establish an Index of Potential Ozone Severity

Author(s): WA Cox

Annual Conference: 1991, Vol. 1

Paper ID: 91-119.14

Examining Circadian and Seasonal Patterns in Air Quality Data

Author(s): TR McMullen Annual Conference: 1991, Vol. 1

Paper ID: 91-119.2

A Conflict Assessment of Progress in Reducing Ozone Concentrations in California

Author(s): RA Bradley

Annual Conference: 1991, Vol. 1

Paper ID: 91-119.3

Interactive Exploration and Analysis of EPA's Aerometric Information and Retrieval System (AIRS) Data Sets

Author(s): RB Husar

Annual Conference: 1991, Vol. 1

Paper ID: 91-119.4

A Multivariate Data Analysis Technique for Assessing the Influence of Meteorological Conditions on Ozone Concentration Trends

Author(s): TE Stoeckenius Annual Conference: 1991, Vol. 1

Paper ID: 91-119.5

Improved Management and Analysis of Industrial Air Emissions Using a Geographic Information System

Author(s): S Osborne

Annual Conference: 1991, Vol. 1

Paper ID: 91-119.6

Addressing Data Heterogeneity: Lessons Learned from a Multimedia Risk Assessment

Author(s): H Ozkaynak

Annual Conference: 1991, Vol. 1

Paper ID: 91-119.7

Application of a Geographic Information System to the Superfund Process

Author(s): E Newman

Annual Conference: 1991, Vol. 1

Paper ID: 91-119.8

Case Study of the Cleanup at Tinker Air Force Base, Oklahoma

Author(s): S Dutta

Annual Conference: 1991, Vol. 10B

Paper ID: 91-12.1

Helen Kramer Landfill Superfund Site Remedial Action Program

Author(s): JR Donnelly, T Marti Annual Conference: 1991, Vol. 10B

Paper ID: 91-12.11

MOTCO Superfund Site Project Update

Author(s): ML Aident, KR Smith Annual Conference: 1991, Vol. 10B

Paper ID: 91-12.2

Western Processing Case Study: Successful Implementation of a Complex Remediation of Subsurface Contamination

Author(s): WJ Enkeboll

Annual Conference: 1991, Vol. 10B

Paper ID: 91-12.3

Case Study-Rhinehart Tire Fire Superfund Site, Frederick County, Virginia

Author(s): R Grachek

Annual Conference: 1991, Vol. 10B

Paper ID: 91-12.4

Fast-Tracking Remedial Design at the Caps Fear Wood Preserving Site

Author(s): R Tom Clark, DA Gow, JK Bornholm

Annual Conference: 1991, Vol. 10B

Paper ID: 91-12.5

ERCAM-VOC: An Emission Reduction and Cost Analysis Model for VOC

Author(s): JH Wilson, EJ Laich, FL Bunyard

Annual Conference: 1991, Vol. 14

Paper ID: 91-120.1

A PC-Based Automated Tracking System for PSD/NSR Permits

Author(s): MA Grelinger, B Rice, R Hegarty, M Armentrout,

P Reinermann

Annual Conference: 1991, Vol. 14

Paper ID: 91-120.11

Effective Computer Software Development Strategies for the Environmental Market

Author(s): SM Johnson

Annual Conference: 1991, Vol. 14

Paper ID: 91-120.12

Making Sense of Environmental Microcomputer Systems

Author(s): JC Bolstridge

Annual Conference: 1991, Vol. 14

Paper ID: 91-120.2

Hazardous Air Pollutants Program (HAP-PRO): Automated HAP and VOC Control Technology Assessment Software

Author(s): SLMoore, CM Nunez Annual Conference: 1991, Vol. 14

Paper ID: 91-120.3

Scientific Visualization Software for your PC: Free and Available Now!

Author(s): GD Greenly, Jr.

Annual Conference: 1991, Vol. 14

Paper ID: 91-120.6

Development of a Relationship Database System for the Management of Environmental Data for a DOE Facility

Author(s): TE Barnard, DH Weinel Annual Conference: 1991, Vol. 14

Paper ID: 91-120.9

A Holistic Approach to Waste Reuse, Recycle and Disposal

Author(s): RR Landreth

Annual Conference: 1991, Vol. 14

Paper ID: 91-121.1

Potential Environmental Liabilities Associated with a Steel Forging Plant

Author(s): CA Ranney, DS Glover Annual Conference: 1991, Vol. 14

Paper ID: 91-121.11

Approaches to the Establishment of Pollution Control Criteria for the Greenfield Integrated Iron and Steel Plant

Author(s): PR West, BB Manna Annual Conference: 1991, Vol. 14

Paper ID: 91-121.2

The Effect of Foamy Slag on Basic Oxygen Process Emissions

Author(s): E Cocchiarella, MS Greenfield, S Chubbs

Annual Conference: 1991, Vol. 14

Paper ID: 91-121.3

Rehabilitation of the Cascade Steel Meltshop Ventilation System- An Update

Author(s): JM Duby, DO Alford, A Robare, TL Fisher

Annual Conference: 1991, Vol. 14

Paper ID: 91-121.4

The Impact of the 1990 Clean Air Act Amendments on the U.S. Iron & Steel Industry

Author(s): BA Steiner

Annual Conference: 1991, Vol. 14

Paper ID: 91-121.5

Armco Steel Company's Approach for Addressing the New Clean Air Act Requirements for Coke Plants

Author(s): SS Felton

Annual Conference: 1991, Vol. 14

Paper ID: 91-121.6

Non-Recovery Coke Making: Its Time Has Come

Author(s): SP Shoup, DL Hepp Annual Conference: 1991, Vol. 14

Paper ID: 91-121.7

Greenhouse Gases Utilities and Climate Policy:

Performance Measures for Assessing Trade-Offs

Author(s): RT Ellington, M Meo Annual Conference: 1991, Vol. 19

Paper ID: 91-122.1

Evaluation of the Acceptability of Natural Gas as a Mitigating Fuel for Utility Combustion Sources

Author(s): CE Burklin, TP Nelson, B Tilkicioglu

Annual Conference: 1991, Vol. 19

Paper ID: 91-122.2

The Clean Air Act Reauthorization, Electric Utilities and Global Climate Change

Author(s): JD Kinsman

Annual Conference: 1991, Vol. 19

Paper ID: 91-122.3

The Impact of Climate Change on Energy Production and Use in the Western United States and British Columbia

Author(s): JE Wade, NG Butler, RN Swanson, JR Young

Annual Conference: 1991, Vol. 19

Paper ID: 91-122.5

Impact of the CFC Phaseout on the Electric Utility Industry

Author(s): J Van den Berg, NK Khosla Annual Conference: 1991, Vol. 19

Paper ID: 91-122.6

Electric Utility Options for Mitigation of Greenhouse Gas Emissions

Author(s): IM Torrens

Annual Conference: 1991, Vol. 19

Paper ID: 91-122.7

Assessing Climate Impacts on Utilities: A Case Study Approach

Author(s): L Levin, M Gibbs Annual Conference: 1991, Vol. 19

Paper ID: 91-122.8

Role of Outside Counsel in Environmental Audit

Author(s): JE Ryan, JR.

Annual Conference: 1991, Vol. 20

Paper ID: 91-122.9

Air Toxics Risk Analysis for an Electrical Utility

Author(s): GJ Eirschele, KK Connor, DB Room

Annual Conference: 1991, Vol. 20

Paper ID: 91-124.2

An Energy Approach to Measurement Impact in Terms of Service Provided

Author(s): P Crane, DS Scott Annual Conference: 1991, Vol. 20

Paper ID: 91-124.3

Managing Environmental Decisions

Author(s): WE Balson

Annual Conference: 1991, Vol. 20

Paper ID: 91-124.4

Valuing Environmental Effects of Electrical Systems: A Multiple Objective Approach

Author(s): TL McDaniels

Annual Conference: 1991, Vol. 20

Paper ID: 91-124.5

The Art and Science of Quantitative Risk Analyses: Managing Contaminated Utility Property in Two New England States

Author(s): GW Johnson

Annual Conference: 1991, Vol. 20

Paper ID: 91-124.6

A Decision Analysis Approach top Select Appropriate Environmental Mitigation/Enhancement Plans at Hydroelectric Facilities

Author(s): JR Birk, JS Rice

Annual Conference: 1991, Vol. 20

Paper ID: 91-124.7

Using Decision Analysis to Solve a Utility Waste Management Problem

Author(s): JE Shefchek, JS Rice, JL Welsh Annual Conference: 1991, Vol. 20

Paper ID: 91-124.8

The Management of Energy Resources to Minimize Greenhouse Emissions

Author(s): KM Sullivan

Annual Conference: 1991, Vol. 19

Paper ID: 91-125.1

International Mitigation of Stratospheric Ozone Depletion: Impacts on Industrialized and Developing Nations

Author(s): BE Kelly, RE Tapscott Annual Conference: 1991, Vol. 19

Paper ID: 91-125.4

Limiting the Greenhouse Effect of CFCs, Halon and H (C) FCs

Author(s): C Kroeze

Annual Conference: 1991, Vol. 19

Paper ID: 91-125.5

The Effects of Global change on Alpine and Subalpine Ecosystems in the Rocky Mountains

Author(s): RC Musselman, DG Fox Annual Conference: 1991, Vol. 19

Paper ID: 91-126.1

Carbon Sequestering Through Reforestation: Cost and Potential for New York

Author(s): AK Sanghi, KS Michael Annual Conference: 1991, Vol. 19

Paper ID: 91-126.2

Climate Change and Global Isoprene Emissions

Author(s): DP Turner, AG Wones, D Pross, DL Phillips

Annual Conference: 1991, Vol. 19

Paper ID: 91-126.3

Possible Changes in the Climate and Fisheries of the Pacific Ocean

Author(s): TR Parsons

Annual Conference: 1991, Vol. 19

Paper ID: 91-126.5

Physiological Predictors of the Ecological Response of Vegetation to Atmospheric Carbon Dioxide Increase

Author(s): PA Jolliffe

Annual Conference: 1991, Vol. 19

Paper ID: 91-126.6

Global Climate Change Effects on Vegetation: Methods of Assessment-An Overview

Author(s): SV Krupa

Annual Conference: 1991, Vol. 19

Paper ID: 91-127.1

Free-Air Dioxide Enrichment: A New Approach to Research on Carbon Exchange Processes

Author(s): GR Hendrey, FW Lipfert, KF Lewin, J Nagy

Annual Conference: 1991, Vol. 19

Paper ID: 91-127.2

Assessing the Effects of Chemical Climate Change on Vegetation: Increases in the Tropospheric Oxidants O and H O 2

Author(s): CA Ennis

Annual Conference: 1991, Vol. 19

Paper ID: 91-127.3

Experimental Simulation of Increased Solar Ultraviolet-B Radiation

Author(s): RL Shory, JT Hardy Annual Conference: 1991, Vol. 19

Paper ID: 91-127.4

The Global Distribution and Budget of Trace Gases in the Atmosphere: A Three-Dimensional Study

Author(s): GP Brasseur, C Granier, S Madronich, JF Muller

Annual Conference: 1991, Vol. 19

Paper ID: 91-128.1

A Method for Estimating Methane Emissions from Underground Coal Mines: Preliminary Findings

Author(s): JW Jones, DA Kirchgessner, SD Piccot, JD

Winkler, PJ Marsosudiro, PR Cawkwell Annual Conference: 1991, Vol. 19

Paper ID: 91-128.2

Method for Assessing Greenhouse Gas Emissions from Proposed Projects

Author(s): EA Rhoades, SB Holbert, CW Berish

Annual Conference: 1991, Vol. 19

Paper ID: 91-128.3

Projections of Emissions from Burning of Biomass for Use in Studies of Global Climate and Atmospheric Chemistry

Author(s): DE Ward, WM Hao Annual Conference: 1991, Vol. 19

Paper ID: 91-128.4

Impact of Alternative Fuels on Vehicle Emissions of Greenhouse Gases

Author(s): GT Wolff, RA Frosch Annual Conference: 1991, Vol. 19

Paper ID: 91-128.5

Comparison of U.S. and Global Trends in Anthropogenic Emissions of CO SO NOx and VOC

Author(s): G Gschwandtner, JD Mobley Annual Conference: 1991, Vol. 19

Paper ID: 91-128.6

Reduction of Fireplace and Woodstove Pollutant Emissions Through the Use of Manufactured Firelogs

Author(s): ACS Hayden

Annual Conference: 1991, Vol. 3

Paper ID: 91-129.1

Reduction of Fireplace and Woodstove Pollutant Emissions Through the Use of Manufactured Firelogs

Author(s): ACS Hayden, RW Braaten Annual Conference: 1991, Vol. 16

Paper ID: 91-129.1

In-Home Performance of Pellet Stoves in Medford and Klamath Falls, Oregon

Author(s): SG Barnett

Annual Conference: 1991, Vol. 3

Paper ID: 91-129.3

In-Home Performance of Pellet Stoves in Medford and Klamath Falls, Oregon

Author(s): SG Barnett, JE Houck, RB Roholt

Annual Conference: 1991, Vol. 16

Paper ID: 91-129.3

Advancing Woodstove Secondary Combustion State-of-the-Art

Author(s): RC McCrillis

Annual Conference: 1991, Vol. 3

Paper ID: 91-129.4

Advancing Woodstove Secondary Combustion State-of-the-

Author(s): RC McCrillis, NL Butts Annual Conference: 1991, Vol. 16

Paper ID: 91-129.4

The Impact of Environmental Regulations on the Wood Stove Industry

Author(s): JF Gulland

Annual Conference: 1991, Vol. 3

Paper ID: 91-129.5

The Impact of Environmental Regulations on the Wood Stove Industry

Author(s): JF Gulland

Annual Conference: 1991, Vol. 16

Paper ID: 91-129.5

Ambient Air Monitoring Program for Land Treatment No-Migration Analysis

Author(s): JH Siegell, MR Hoover, WT Winberry

Annual Conference: 1991, Vol. 10B

Paper ID: 91-13.1

Contingency Plans at Superfund Sites Using Air Monitoring

Author(s): RA Paul, N Huey

Annual Conference: 1991, Vol. 10B

Paper ID: 91-13.11

Assessing the Potential Risks Associated with Exposure to Mercury and Other Hazardous Substances in the Ambient Air at a Superfund Site

Author(s): D Lipsky

Annual Conference: 1991, Vol. 10B

Paper ID: 91-13.12

Partial Lifetime Exposures and Lifetime Cancer Risks

Author(s): FS Hauchman, AM Shipp Annual Conference: 1991, Vol. 10B

Paper ID: 91-13.2

Estimation of Emissions, Ambient Air Concentrations and Health Effects from Air Stripping of Contaminated Water

Author(s): B Eklud, S Smith, JF Durham, JS Touma

Annual Conference: 1991, Vol. 10B

Paper ID: 91-13.3

Air Monitoring for Incineration of Dioxin Contaminated Waste at the Vertac Superfund Site: A Case Study

Author(s): MA Hansen, JC Wicklund, MG Kemp, RLOstop,

LE Raschke, JPConnell

Annual Conference: 1991, Vol. 10B

Paper ID: 91-13.5

A Passive Soil Gas Flux Sampler: Laboratory and Field Evaluation

Author(s): S Batterman, B McQuown, A McFarland

Annual Conference: 1991, Vol. 10B

Paper ID: 91-13.7

Air Emission Issues Related to Contaminated Soil Cleanup in Populated Areas

Author(s): T Dong, AS Childress Annual Conference: 1991, Vol. 10B

Paper ID: 91-13.8

Sector Sampling for VOCs During Remediation of Superfund Site at Shaver's Farm, Georgia

Author(s): JD Pleil, GM Russwurm, KD Oliver

Annual Conference: 1991, Vol. 10B

Paper ID: 91-13.9

Field Performance of Woodburning Stoves in Crested Butte, Colorado

Author(s): DR Jaasma, M Gundappa, MR Champion

Annual Conference: 1991, Vol. 16

Paper ID: 91-130.1

The Crested Butte Experiment: A Blending of Local Politics, State Research Needs and the Environment

Author(s): W Crank, J Leary Annual Conference: 1991, Vol. 16

Paper ID: 91-130.2

Upgrading Woodstoves in a Small Town as a Primary Strategy Towards Visibility Improvement

Author(s): JD Crouch

Annual Conference: 1991, Vol. 16

Paper ID: 91-130.3

The Crested Butte Experiment: An Air Quality Analysis Scheme to Identify Particulates Impacts Associated with a Woodstove Replacement Program

Author(s): S Arnold, G Pierce, GE Kenniston, RD Osterburg

Annual Conference: 1991, Vol. 16

Paper ID: 91-130.4

National Policy Impacts Derived from the Crested Butte Wood Stove Study

Author(s): JO Hidinger

Annual Conference: 1991, Vol. 16

Paper ID: 91-130.5

The IACP: Overview of the Boise, Idaho, and the Roanoke Virginia Field Studies

Author(s): VR Highsmith, AJ Hoffman, RB Zweidinger, LT

Cupitt

Annual Conference: 1991, Vol. 15A

Paper ID: 91-131.1

Apportionment of Residential Indoor VOCs and Aldehydes to Indoor and Outdoor Sources in Roanoke

Author(s): RB Zweidinger, TE Kleindienst, E Hudgens

Annual Conference: 1991, Vol. 15A

Paper ID: 91-131.11

Tagging Diesel and Residential Oil Furnace Emissions in Roanoke, VA with Enriched Isotopes of Samarium

Author(s): ZC Lin, JM Ondov, WR Kelly, RK Stevens

Annual Conference: 1991, Vol. 15A

Paper ID: 91-131.12

Source Apportionment of Wintertime Organic Aerosols in Boise, ID by Chemical and isotopic © Methods

Author(s): GA Klouda, D Barraclough, LA Currie, RB

Zweidinger, CW Lewis, RK Stevens Annual Conference: 1991, Vol. 15A

Paper ID: 91-131.2

Source Apportionment of Mutagenic Activity of Fine Particle Organics in Boise, Idaho

Author(s): CW ;weis, RK Stevens, RB Zweidinger, LD

Claxton, D Barraclough, GA Klouda Annual Conference: 1991, Vol. 15A

Paper ID: 91-131.3

Chemical Characterization of Extractable Organic Matter from Ambient Aerosols Collected in Boise, Idaho

Author(s): RB Zweidinger, J Lewtas, DT Thompson

Annual Conference: 1991, Vol. 15A

Paper ID: 91-131.4

The Atmospheric Transformation of Combustion Source Emissions and the Formation of Mutagenic Products

Author(s): TE Kleindienst, DF Smith, EE Hudgens, CD McIve, E Peryy, LT Cupitt, JJ Bulfalini, LD Claxton

Annual Conference: 1991, Vol. 15A

Paper ID: 91-131.5

Mutagencity, Tumorigenicity and Estimation of Cancer Risk from Ambient Aerosol and Source Emissions from Woodsmoke and Motor Vehicles

Author(s): J Lewtas, RB Zweidinger, L Cupitt

Annual Conference: 1991, Vol. 15A

Paper ID: 91-131.6

Development of an Exposure Model for Application to Wintertime Boise

Author(s): WG Glen, VR Highsmith, LT Cupitt

Annual Conference: 1991, Vol. 15A

Paper ID: 91-131.7

Monitoring IACP Samples and Construction of a Centralized Database

Author(s): DB Walsh, DB Ray, J Simonson Annual Conference: 1991, Vol. 15A

Paper ID: 91-131.9

The Conceptual Basis for Assessing Ecological Risk from Incineration Facilities

Author(s): LA Kapustka, BA Williams Annual Conference: 1991, Vol. 15A

Paper ID: 91-132.2

Design of an Environmental Monitoring Study at a Resource Recovery Facility in New Jersey

Author(s): A Greenberg, JP Butler, JL Held, JM Waldman

Annual Conference: 1991, Vol. 15A

Paper ID: 91-132.3

Evaluation of Risk Assessment Computer Programs Using California Air Resources Board's Health Risk Assessment Program

Author(s): LL Henry, G Gruwell Annual Conference: 1991, Vol. 15A

Paper ID: 91-132.4

New Jersey Risk Assessment Guidelines for Resource Recovery Facilities

Author(s): JL Held, O Boyko Annual Conference: 1991, Vol. 15A

Paper ID: 91-132.6

Recent Development and Current Concerns Regarding the Health and Environmental Impacts of Hazardous Waste Incineration

Author(s): MD Bailiff

Annual Conference: 1991, Vol. 15A

Paper ID: 91-132.7

A Status Report on the EPRI EMF Research Program

Author(s): SS Sussman

Annual Conference: 1991, Vol. 15A

Paper ID: 91-133.1

Development of a Protocol to Measure 60-Hz EMF for a Case-Control Study of Childhood Leukemia

Author(s): ML McBride, RP Gallagher Annual Conference: 1991, Vol. 15A

Paper ID: 91-133.2

Communicating Information Under Scientific Uncertainly: Electromagnetic Fields

Author(s): BK Jensen, RW Kinkead Annual Conference: 1991, Vol. 15A

Paper ID: 91-133.3

Total Exposure Assessment for Electric and Magnetic Fields: Comparisons with Approaches Used for Air Pollution Epidemiology

Author(s): JJ Quackenboss

Annual Conference: 1991, Vol. 15A

Paper ID: 91-133.4

Potential Cancer Induction by Extremely Low Frequency Electromagnetic Fields: Epidemiologic Evidence and Research Protocol for Animal Studies

Author(s): R Mandeville

Annual Conference: 1991, Vol. 15A

Paper ID: 91-133.5

Reducing Lead Exposure from Remodeling and Soil Trackin in Older Homes

Author(s): JW Roberts, DE Camann, TM Spittler

Annual Conference: 1991, Vol. 15A

Paper ID: 91-134.2

Lead Contamination of a Residential Area from Dry Abrasive Blasting Paint Removal of a Water Tower

Author(s): M Willhite, J Wiersema, S Mgebroff, J Pichette

Annual Conference: 1991, Vol. 15A

Paper ID: 91-134.3

Field Methods for Measuring Lead Concentration in Paint Films

Author(s): ME McKnight

Annual Conference: 1991, Vol. 15A

Paper ID: 91-134.5

Potential Community Exposure Associated with Construction in Naturally Occurring Asbestos Deposits

Author(s): CJ Dusek, JM Yetman Annual Conference: 1991, Vol. 15A

Paper ID: 91-135.1

Control Measure for Asbestos-Containing Serpentine Rock in Surfacing Applications

Author(s): V Douglas, J Gomez, L Negrete Annual Conference: 1991, Vol. 15A

Paper ID: 91-135.2

A Survey of Naturally Occurring Asbestos Ore Deposits in the Southeastern United States

Author(s): AW Powell, JW Hund Annual Conference: 1991, Vol. 15A

Paper ID: 91-135.3

Construction Considerations in Naturally-Occurring Asbestos Areas: A Case Study

Author(s): CG Ward, AS Butcher Annual Conference: 1991, Vol. 15A

Paper ID: 91-135.4

Successful Interaction Between Scientific Investigation and Control Strategy Development

Author(s): N Maykut, TV Larson Annual Conference: 1991, Vol. 15A

Paper ID: 91-136.1

Comparison of Emissions and Organic Fingerprints from Combustion of Oil and Wood

Author(s): RS Steiber, RC McCrillis Annual Conference: 1991, Vol. 15A

Paper ID: 91-136.2

Pulmonary Function Changes in Children Associated with Particulate Matter Air Pollution from Wood Smoke

Author(s): JQ Koenig, TV Larson, QS Hanley, V Rebolledo, K Dumler, H Checkoway, SZ Wang, D Lin, WE Pierson

Annual Conference: 1991, Vol. 15A

Paper ID: 91-136.3

Comparing Source Apportionments of Wood Smoke: Chemical Mass Balance Versus Partial Least Squares Regression

Author(s): S Wang, D Kalman, T Larson Annual Conference: 1991, Vol. 15A

Paper ID: 91-136.4

Acidity of Airborne Particles from Residential Wood Burning

Author(s): A K Lindell

Annual Conference: 1991, Vol. 15A

Paper ID: 91-136.5

Effects of Exposures to Indoor Combustion Sources on Asthmatic Symptoms

Author(s): M Lipsett, B Ostro, J Mann, M Wiener, J Selner

Annual Conference: 1991, Vol. 15A

Paper ID: 91-136.6

Woodsmoke Air Pollution and Changes in Pulmonary Function Among Elementary School Children

Author(s): M Heumann, LR Foster, L Johnson, LE Kelly

Annual Conference: 1991, Vol. 15A

Paper ID: 91-136.7

Association of Daily Mortality with Ambient Exposure to an Air Pollutant Mixture: Particulate Matter, Sulfur Dioxide and Acidic Aerosols

Author(s): K Ito, GD Thurston, M Lippmann

Annual Conference: 1991, Vol. 15A

Paper ID: 91-137.1

Chemical Comparison of Weathered Spilled Oil and Exxon/Valdez Hold Oil from an Occupational Health Standpoint

Author(s): WH Griest, C Ho, MR Guerin, RL Tyndall

Annual Conference: 1991, Vol. 15A

Paper ID: 91-137.11

The Kanawha county Health Study: A Multi-Phase Investigation of Children's Respiratory Health and Exposure to Chemical Industry Emissions

Author(s): M Schwab, JD Spengler, JH Ware, H Ozkaynak, g

Wagner, JM Samet

Annual Conference: 1991, Vol. 15A

Paper ID: 91-137.12

Air Toxics Risk Assessment

Author(s): MD Koontz, GM Zarus, MJ Stunder, NL Nagda

Annual Conference: 1991, Vol. 15A

Paper ID: 91-137.3

Issues in the Risk Analysis of Acute Air Pollution Studies

Author(s): T Hammerstrom, HD Roth, A Silvers

Annual Conference: 1991, Vol. 15A

Paper ID: 91-137.7

Carbon Monoxide Exposures Inside an Automobile Traveling on an Urban Arterial Highway

Author(s): W Ott, P Switzer Annual Conference: 1991, Vol. 15A

Paper ID: 91-138.1

Effects of Altitude on Expired Breath Carbon Monoxide

Author(s): JJMcGrath, P Lee, RM Schreck Annual Conference: 1991, Vol. 15A

Paper ID: 91-138.2

Carbon Monoxide Exposure Patterns in Los Angeles Among a High Risk Population

Author(s): W Lambert, SD Colme, M Kleinman

Annual Conference: 1991, Vol. 15A

Paper ID: 91-138.4

The Effect of Hypoxia on the Movement of Carbon Monoxide Out of the Vascular Compartment

Author(s): TE Dahms, LJ Baudendistel Annual Conference: 1991, Vol. 15A

Paper ID: 91-138.5

Absence of an Effect of Low Levels of Carboxyhemoglobin on Subjects with Myocardial Arrhythmias

Author(s): TE Dahms, BR Chaitman Annual Conference: 1991, Vol. 15A

Paper ID: 91-138.6

The Role of Animal Inhalation Toxicology in Risk Assessment

Author(s): RE Wyzga, FW Lipfert Annual Conference: 1991, Vol. 15A

Paper ID: 91-139.1

Bridging the Gap Between Measures of Health Effects in Animal Models and Humans: Use of Single Cell Biochemical Determinations

Author(s): DB Menzel

Annual Conference: 1991, Vol. 15A

Paper ID: 91-139.3

Regulation of Hazardous Material Routing and Relationship to Risk Analysis

Author(s): JC Allen

Annual Conference: 1991, Vol. 10B

Paper ID: 91-14.1

Rail Transportation Risk and Accident Severity: A Statistical Analysis of Variables in FRA's Accident/Incident Data

Author(s): CL Saricks, I Janssen Annual Conference: 1991, Vol. 10B

Paper ID: 91-14.2

Assessing the Risk of Transporting Hazardous materials by Aircraft: A Case Study

Author(s): MJ Davis, LA Haroun Annual Conference: 1991, Vol. 10B

Paper ID: 91-14.3

Future Changes in the Transporting of Hazardous Materials and Wastes

Author(s): EF Votaw, WA Winters Annual Conference: 1991, Vol. 10B

Paper ID: 91-14.4

Preliminary Analysis of Ozone Exposures in Houston Using pNEM/O

Author(s): T McCurdy, JE Capel, RA Paul, T Johnson

Annual Conference: 1991, Vol. 15B

Paper ID: 91-141.1

Indicators of Lung Injury with Daily Prolonged Exposures to 0.12 ppm Ozone

Author(s): D Horstman, L Folinsbee, H Kehrl, SA Salaam, P

Ives

Annual Conference: 1991, Vol. 15B

Paper ID: 91-141.4

Influence of Exposure Regimen on Effects of Experimental Ozone Studies: Effects of Daily and Episodic or Seasonal Cycles of Exposures and Post-Exposure

Author(s): WS Tyler, NK Tyler, D Hinds, D Magliano, B

Tarkington

Annual Conference: 1991, Vol. 15B

Paper ID: 91-141.5

Physiological and Growth Responses of Ponderosa Pine Seedlings to Ambient and Elevated Ozone Concentrations in Southern Sierra Nevada

Author(s): A Bytnerowicz, PJ Dawson, CL Morrison

Annual Conference: 1991, Vol. 15B

Paper ID: 91-142.2

Seasonal Changes in Components of the Antioxidant System in Eastern White Pine and Ozone Effects on Antioxidant Metabolism

Author(s): BI Chevone, JV Anderson, JL Hess

Annual Conference: 1991, Vol. 15B

Paper ID: 91-142.3

Ozone, Acidic Precipitation and Soil Mg Effects on Growth and Nutrition of Loblolly Pine Seedlings After Three Growing Seasons

Author(s): GS Edwards, JM Kelly, NT Edwards

Annual Conference: 1991, Vol. 15B

Paper ID: 91-142.4

Decomposition of Pinus Echinata Mill, Needle Litter as Affected by Acid Precipitation

Author(s): CE Meier, RB Flagler Annual Conference: 1991, Vol. 15B

Paper ID: 91-142.5

Use of Infrared Thermography for Assessment of Stomatal Response to Ozone Exposure

Author(s): md Estock, PM McCool, T Younglove

Annual Conference: 1991, Vol. 15B

Paper ID: 91-142.6

Growth Responses of Young Cuttings of Populous deltoides x nigra to Ozone

Author(s): Z Tenga, DP Ormrod, B Hale-Marie

Annual Conference: 1991, Vol. 15B

Paper ID: 91-142.8

Impact of Ozone and Acidic Precipitation on the Growth of Loblolly Pine Seedlings

Author(s): LW Kress, HL Allen Annual Conference: 1991, Vol. 15B

Paper ID: 91-142.9

Impact of a Coal Fired Power Plant on Architectural Materials

Author(s): DR Murray, LF Friscoe Annual Conference: 1991, Vol. 15B

Paper ID: 91-143.1

Impact of the Acid Deposition in the Decay of Mexican Mayan Monuments (Preliminary Study)

Author(s): HA Bravo, MIR Saavedra, PA Sanchez, RE Sosa, RJ Torres

Annual Conference: 1991, Vol. 15B

Paper ID: 91-143.2

The Impact of Atmospheric Damage to Materials on Consumers: News You Can Use

Author(s): FW Lipfert

Annual Conference: 1991, Vol. 15B

Paper ID: 91-143.3

Materials as Sinks and Sources of Indoor Air Pollution

Author(s): JE Yocom

Annual Conference: 1991, Vol. 15B

Paper ID: 91-143.4

Estimating Damage to Automotive Finishes Associated with Acid Smut

Author(s): RL Bradow, FVP Bradow Annual Conference: 1991, Vol. 15B

Paper ID: 91-143.5

Are We Losing Our Marbles? The Status of Our Understanding of Pollution Effects on Monuments and Historic Buildings in the U.S.

Author(s): SI Sherwood, SB Chase Annual Conference: 1991, Vol. 15B

Paper ID: 91-143.8

The German Experience with Damage to Materials Associated With Air Pollution

Author(s): KF Ziegahn

Annual Conference: 1991, Vol. 15B

Paper ID: 91-143.9

Effects of Ozone on Indigenous Vegetation in Dolly Sods and Otter Creek Wildernesses

Author(s): WA Jackson

Annual Conference: 1991, Vol. 15B

Paper ID: 91-144.1

Estimated Surface-Level Ozone Exposures in Selected Class I Areas in the United States

Author(s): AS Lefohn, JK Foley Annual Conference: 1991, Vol. 15B

Paper ID: 91-144.2

Concentrations of Ozone in National Park Service Class I Areas and Effects on Sensitive Biological Resources

Author(s): KW Stolte, MI Flores, DR Mangis, DB Joseph

Annual Conference: 1991, Vol. 15B

Paper ID: 91-144.3

Ozone Injury on Native Vegetation in Class I Wilderness Areas in New Hampshire and Vermont

Author(s): WJ Manning, JR Bergman, JT O'Brien

Annual Conference: 1991, Vol. 15B

Paper ID: 91-144.5

Effects of Natural Gas Fired Compressor Stations on Community Noise Levels

Author(s): P Yodnane, LC Shumway, JE Niece

Annual Conference: 1991, Vol. 15B

Paper ID: 91-145.2

Intersection Traffic Noise, Model Evaluation

 $\hbox{Author(s): RL Wayson, GA Esper, ML Halberstadt, W}$

Bowlby

Annual Conference: 1991, Vol. 15B

Paper ID: 91-145.3

Community Aircraft Noise Assessment to Determine Structural Attenuation

Author(s): DR Draper, MJ Minnicino, HAF Young

Annual Conference: 1991, Vol. 15B

Paper ID: 91-145.4

Secrets of Designing a Quiet Plant

Author(s): D Hillquist

Annual Conference: 1991, Vol. 15B

Paper ID: 91-145.7

Successful Application of Odor Control Technology at a Polyester Resin Manufacturing Facility

Author(s): WE Tutt

Annual Conference: 1991, Vol. 15B

Paper ID: 91-146.1

Dynamic Diluter for Field Odor Evaluations

Author(s): JB Dunson, AA Ekpechi, PR Jann, BW

Wolstenholme

Annual Conference: 1991, Vol. 15B

Paper ID: 91-146.3

Choose the Right Technology for VOC Control

Author(s): RW Sylvester

Annual Conference: 1991, Vol. 15B

Paper ID: 91-146.6

The Role of Economics in Selecting VOC Controls

Author(s): d Campos, D McIntosh, KL Mulholland

Annual Conference: 1991, Vol. 15B

Paper ID: 91-146.7

Control Methods for Treating Odor Emissions from Inedible Rendering Plants

Author(s): W Prokop

Annual Conference: 1991, Vol. 15B

Paper ID: 91-146.8

Limitation of Incineration in Odor Control

Author(s): N Ostojic, MA O'Brien, RA Duffee

Annual Conference: 1991, Vol. 15B

Paper ID: 91-147.2

Odor Investigation and Control Strategy for VOC Emissions from a Magnetic Tape Manufacturing Plant

Author(s): AS McElligott

Annual Conference: 1991, Vol. 15B

Paper ID: 91-147.3

A Company's Approach to Minimize Emissions of Air Toxics and Accidental Releases

Author(s): LS Bernson, E Nowal, PE Wyszkowski

Annual Conference: 1991, Vol. 6B, 15B, 14

Paper ID: 91-149.1

Accidental Release Prevention Provisions Under the clean Air Amendments of 1990: Context and Direction

Author(s): J Menczel, R Dennelly, CW Simon Annual Conference: 1991, Vol. 6B, 15B, 14

Paper ID: 91-149.3

Modeling and Analysis Needs for the Prevention of Accidental Release Provisions of the 1990 CAAA

Author(s): BA Egan

Annual Conference: 1991, Vol. 6B, 15B, 14

Paper ID: 91-149.4

State-of -the-Art Techniques for Chlorine Supply Release Prevention

Author(s): PS Puglionesi, RA Craig

Annual Conference: 1991, Vol. 6B, 15B, 14

Paper ID: 91-149.5

New Jersey's Toxic Catastrophe Prevention Act

Author(s): BA King

Annual Conference: 1991, Vol. 6B, 15B, 14

Paper ID: 91-149.6

Tank Integrity Inspection for Above-Ground Storage Tanks Containing Petroleum Products

Author(s): JM Beath, M Pertusa Annual Conference: 1991, Vol. 10B

Paper ID: 91-15.1

Testing, Monitoring and Maintenance of Aboveground Storage Tanks

Author(s): M Rorty, M McLearn Annual Conference: 1991, Vol. 10B

Paper ID: 91-15.2

Detection of Leaks in the Floor of Aboveground Storage Tanks by Means of a Passive Acoustic Sensing System

Author(s): EG Eckert, JW Maresca, Jr. Annual Conference: 1991, Vol. 10B

Paper ID: 91-15.5

Management of Wastes in Aboveground Tanks: A Review of Hazardous Waste Tank Regulations and Suggestions for Compliance

Author(s): HN Johnson

Annual Conference: 1991, Vol. 10B

Paper ID: 91-15.6

Above and Below Ground Tanks Applying Lessons Learned in EPA Research on Leak Detection and Corrective Action

Author(s): MS Rosenberg

Annual Conference: 1991, Vol. 10B

Paper ID: 91-15.7

Above Ground Storage: Double Containment Strategies for Today and Tomorrow

Author(s): G Woodside, JJ Prusak Annual Conference: 1991, Vol. 10B

Paper ID: 91-15.8

Design Considerations for On-Ground Hazardous Waste Tanks

Author(s): CAJ Schleyer

Annual Conference: 1991, Vol. 10B

Paper ID: 91-15.9

Pesticide Regulatory Processes

Author(s): LA Rossi

Annual Conference: 1991, Vol. 15B

Paper ID: 91-150.1

A Small High Volume Surface Sampler (HVS3) for Pesticides and Other Toxic Substances in House Dust

Author(s): JW Roberts, WT Budd, MG Ruby, VR Stamper, DE Camann, RC Fortmann, LS Sheldon, RG Lewis

Annual Conference: 1991, Vol. 15B

Paper ID: 91-150.2

Ground Water Vulnerability: A DRASTIC Approach

Author(s): RC Palmquist

Annual Conference: 1991, Vol. 15B

Paper ID: 91-150.3

Ecological Monitoring Strategy for Pesticides

Author(s): K Arne, M Marsh Annual Conference: 1991, Vol. 15B

Paper ID: 91-150.5

Pesticide Residues in Food: A Risk to Health--or Not?

Author(s): JR Tomerlin, BJ Petersen Annual Conference: 1991, Vol. 15B

Paper ID: 91-150.6

Horse Heaven Hills/Badger Canyon, A Case Study of Alleged Pesticide Drift Damage

Author(s): JS Fletcher

Annual Conference: 1991, Vol. 15B

Paper ID: 91-150.7

Results of U.S. EPA's National Survey of Pesticides in Drinking Water Wells

Author(s): J Briskin

Annual Conference: 1991, Vol. 15B

Paper ID: 91-150.8

Pesticides and Herbicides, Fate and Effects Evaluation on Non-target Biological Communities

Author(s): WG Landis

Annual Conference: 1991, Vol. 15B

Paper ID: 91-150.9

Ministerial Misery and Discretionary Distress How the California Environmental Quality Act Affects the Issuance of New Source Review Permit

Author(s): EG Linder, LG Chaset Annual Conference: 1991, Vol. 18

Paper ID: 91-152.1

Discussion of Implementation of EPA's Top-Down Bact Guidance

Author(s): H Droege, J Willenberg Annual Conference: 1991, Vol. 18

Paper ID: 91-152.3

Coping with the South Coast Air Quality Management District's "New New Source Review" Rule

Author(s): MC Weiss, HE Heide Annual Conference: 1991, Vol. 18

Paper ID: 91-152.4

1991 Clean Air Act Amendments--Integrating Vehicle and Fuel Controls

Author(s): RA Weissman

Annual Conference: 1991, Vol. 16

Paper ID: 91-155.1

Energy Use Impacts of the Mobile Source Provisions of the Clean Air Act Amendments of 1990

Author(s): F Stodosky, MK Singh Annual Conference: 1991, Vol. 16

Paper ID: 91-155.4

The Impact of the Clean Air Act Amendments of 1990: Opportunities and Challenges for the Automobile and Motor Fuels Industries

Author(s): FL Potter, JE Peeples Annual Conference: 1991, Vol. 16

Paper ID: 91-155.5

Clean Air Act Amendments of 1990, Impact on Motor Vehicle and the Environment

Author(s): MJ Schwartz, JW Shiller Annual Conference: 1991, Vol. 16

Paper ID: 91-155.6

Dealing With Environmental Regulations and Agencies An Industry Perspective

Author(s): EG Fiesinger

Annual Conference: 1991, Vol. 16

Paper ID: 91-156.1

Title III-Air Toxics: How it Will Change Our Lives and How to Minimize the Impacts

Author(s): DR Patrick

Annual Conference: 1991, Vol. 16

Paper ID: 91-156.3

Modes of Compliance with MACT

Author(s): CD Malloch

Annual Conference: 1991, Vol. 16

Paper ID: 91-156.5

Implementation of the 1990 Acid Rain Title

Author(s): BJ McLean, TL Montgomery Annual Conference: 1991, Vol. 16

Paper ID: 91-157.13

Evaluation of the Removal of SO and NO from Gas Streams via Dielectric Barrier Discharges

Author(s): MB Chang, MJ Kushner, MJ Rood

Annual Conference: 1991, Vol. 16

Paper ID: 91-157.2

Status of Flue Gas Desulfurization Systems

Author(s): SB Hance, JL Kelley Annual Conference: 1991, Vol. 16

Paper ID: 91-157.3

NOx Control for Acid Rain Compliance-A Boon or a Bane

Author(s): RE Sommerlad Annual Conference: 1991, Vol. 16

Paper ID: 91-157.4

Acid Rain Compliance Planning: Evaluation of Compliance Options

Author(s): JT Zmuda

Annual Conference: 1991, Vol. 16

Paper ID: 91-157.5

The SO Allowance Trading System: A Western Utilities Perspective

Author(s): CV Mathai, R Missen Annual Conference: 1991, Vol. 16

Paper ID: 91-157.7

Optimized Strategies for Compliance with Acid Rain Legislation: The Case for Wet Scrubbers

Author(s): JA Brander, RL Yates, MM Schorr

Annual Conference: 1991, Vol. 16

Paper ID: 91-157.8

Development of a Computer-assisted Air Permitting System for the Chemical Process Industry

Author(s): R Wells, S Santanam, J Harris

Annual Conference: 1991, Vol. 16

Paper ID: 91-158.2

Permitting Under Title V of the 1990 Amendments-Will it be Workable? A Permitting Agency Perspective

Author(s): JH Price, KT Olson, DD Simmons, S Crowther, LE

Pewitt

Annual Conference: 1991, Vol. 16

Paper ID: 91-158.3

The Status and Nature of State and Local Operating Permit Programs

Author(s): RD Powell

Annual Conference: 1991, Vol. 16

Paper ID: 91-158.4

Up to Your Eyeballs in Paper--Permitting Under the New Clean Air Act

Author(s): KD Bailey

Annual Conference: 1991, Vol. 16

Paper ID: 91-158.6

Building a New Permit Program from the Ground Up

Author(s): CA Collins

Annual Conference: 1991, Vol. 16

Paper ID: 91-158.7

Development of BDAT Standards for RCRA Wastes

Author(s): RJ Turner

Annual Conference: 1991, Vol. 11

Paper ID: 91-16.1

Overview of Metals Recovery Technologies for Hazardous Wastes

Author(s): ER Krishnan, PW Utrecht, RJ Turner

Annual Conference: 1991, Vol. 11

Paper ID: 91-16.2

Ozone Ultraviolet Light Treatment of Iron Cyanide Complexes

Author(s): SQ Hassa, MJ Briggs, MB Foerst, DL Timberlake

Annual Conference: 1991, Vol. 11

Paper ID: 91-16.3

Trial Burn Experiences in Obtaining a RCRA Part B Permit for a batch Solid Waste Thermal Incinerator; Regulatory Overview

Author(s): WJ Kesack, A Prasad Annual Conference: 1991, Vol. 11

Paper ID: 91-16.4

Incineration: BDAT for RCRA Hazardous Waste

Author(s): TD Robertson

Annual Conference: 1991, Vol. 11

Paper ID: 91-16.9

An Overview of Ambient Monitoring Requirements Under Title III of the Clean Air Act Amendments of 1990

Author(s): T Lahre, M McCullough, G Dorosz

Annual Conference: 1991, Vol. 16

Paper ID: 91-160.2

The Enhanced Ozone Monitoring Network Required by the New Clean Air Act Amendments

Author(s): WF Hunt, Jr., NO Gerald Annual Conference: 1991, Vol. 16

Paper ID: 91-160.3

Best and Reasonably Available Control Measures for Prescribed Burning-EPA's Approach to Comply with Clean Air Act Requirements

Author(s): TG Pace, AM Smith Annual Conference: 1991, Vol. 18

Paper ID: 91-161.1

Development of a PM-10 Emissions Inventory from Prescribed Fire in the United States During 1989

Author(s): JL Peterson

Annual Conference: 1991, Vol. 18

Paper ID: 91-161.3

TSARS: A Tiered Approach and System of Models for Smoke Management Planning

Author(s): ML Sestak, AR Riebau Annual Conference: 1991, Vol. 18

Paper ID: 91-161.4

Smoke Management Improvements Through Use of a Plume Trajectory Forecast Model

Author(s): RG Bachman

Annual Conference: 1991, Vol. 18

Paper ID: 91-161.5

Getting Agreement for a Hazardous Waste Treatment Facility

Author(s): KJ Simpson

Annual Conference: 1991, Vol. 18

Paper ID: 91-163.11

Getting Agreement for a Hazardous Waste Treatment Facility

Author(s): KJ Simpson

Annual Conference: 1991, Vol. 10B

Paper ID: 91-163.11

The Impact of Regulatory Initiatives on Waste Management Companies

Author(s): R Redhead

Annual Conference: 1991, Vol. 18

Paper ID: 91-163.4

The Impact of Regulatory Initiatives on Waste Management Companies

Author(s): R Redhead

Annual Conference: 1991, Vol. 10B

Paper ID: 91-163.4

The Impact of Waste Management Regulations on the Canadian Chemical Industry

Author(s): J Cerf, HW Quinn Annual Conference: 1991, Vol. 18

Paper ID: 91-163.9

The Impact of Waste Management Regulations on the Canadian Chemical Industry

Author(s): J Cerf, HW Quinn Annual Conference: 1991, Vol. 10B

Paper ID: 91-163.9

Community Partnership a U.S. Demonstration Model

Author(s): PS Angell

Annual Conference: 1991, Vol. 18

Paper ID: 91-164.3

Dealing with Uncertainty in Air Pollution Policy Analysis

Author(s): GL Brown

Annual Conference: 1991, Vol. 16

Paper ID: 91-165.1

Global Climate Change: The Canadian Petroleum

Association Response to the Issue Author(s): GA Webster, PS Dickey

Author(s): GA Webster, PS Dickey Annual Conference: 1991, Vol. 16

Paper ID: 91-165.2

A Canadian State of the Environment Report on Air Pollution

Author(s): JC Hilborn

Annual Conference: 1991, Vol. 16

Paper ID: 91-165.5

Ontario's Proposed Clean Air Program and Fossil Fuel Power Generation at Ontario Hydro

Author(s): AK Kalvins, CB Tanaka Annual Conference: 1991, Vol. 16

Paper ID: 91-165.7

Design of the British Columbia Motor Vehicle Emissions Inspection and Maintenance Program

Author(s): HA Ashby, TC Austin, CB Eraut

Annual Conference: 1991, Vol. 16

Paper ID: 91-166.1

Ambient Air Quality Monitoring and Air Quality Management Planning in Greater Vancouver

Author(s): KP Stubbs, AJ Percival Annual Conference: 1991, Vol. 16

Paper ID: 91-166.2

Multi-Stakeholder Consultation on a Management Plan for Nitrogen Oxides and Volatile Organic Compounds

Author(s): RM Solman

Annual Conference: 1991, Vol. 16

Paper ID: 91-166.3

Stage 1 Vapour Recovery Pilot Project in the Vancouver Lower Mainland

Author(s): S Mohr

Annual Conference: 1991, Vol. 16

Paper ID: 91-166.4

A National Environmental Code of Practices for Vapour Recovery in Gasoline Distribution Networks

Author(s): RR Perras

Annual Conference: 1991, Vol. 16

Paper ID: 91-166.5

A National Management Plan for Nitrogen Oxide and Volatile Organic Compound Emissions in Canada

Author(s): DW Draper, B Made Annual Conference: 1991, Vol. 16

Paper ID: 91-166.6

A Non-Parametric Trend Analysis of Atmospheric Nitrogen Dioxide and Ozone the Lower Fraser Valley of British Columbia

Author(s): MJR Clark, TB Leung Annual Conference: 1991, Vol. 16

Paper ID: 91-166.7

Defenses to an Order Issued Pursuant to Section 106 (a) of the CERCLA

Author(s): DL Laswell, ME Dooghan Annual Conference: 1991, Vol. 18

Paper ID: 91-167.1

Private Pary Cost Allocation for a Superfund Site Clean -Up A Case Study

Author(s): JE Norco

Annual Conference: 1991, Vol. 18

Paper ID: 91-167.2

Case Studies of Removal and Remedial Actions-What is Compliance? A Legal and Technical Nightmare

Author(s): B Cole, R Meier, C Scholl Annual Conference: 1991, Vol. 18

Paper ID: 91-167.3

Guilty Without Intent: Criminal Enforcement of Environmental Laws

Author(s): JT Wiley

Annual Conference: 1991, Vol. 18

Paper ID: 91-168.2

Avoiding the Government's Tough New Criminal Enforcement of the Environmental Laws

Author(s): JW Starr

Annual Conference: 1991, Vol. 18

Paper ID: 91-168.3

Palm, Trees, Pollution & Prison: Criminal Environmental Enforcement in California

Author(s): IJ Tether

Annual Conference: 1991, Vol. 18

Paper ID: 91-168.4

Criminal Enforcement of Environmental Laws

Author(s): SM Makuch, FJ Kristjanson Annual Conference: 1991, Vol. 18

Paper ID: 91-168.5

Lender Directed Property Assessments-Reducing the Loan Risk

Author(s): R Weissman, FJ Priznar Annual Conference: 1991, Vol. 18

Paper ID: 91-169.1

Pollution as an Indicator of Inefficient Traditions

Author(s): DL Hawk

Annual Conference: 1991, Vol. 18

Paper ID: 91-169.2

State Level Impacts of a Federal Carbon Tax: A New York State Example

Author(s): AK Sanghi, J Wang, AL Joseph

Annual Conference: 1991, Vol. 18

Paper ID: 91-169.3

Issues in Implementing Tradable Allowances for Greenhouse Gas Emissions

Author(s): AE Smith

Annual Conference: 1991, Vol. 18

Paper ID: 91-169.4

Environmental Issues and Small Business Special Programs to Increase Compliance

Author(s): LV Brown

Annual Conference: 1991, Vol. 18

Paper ID: 91-169.5

The Role of Health Risk Assessment in the Design of a Coal and Sewage Sludge Gasification Plant

Author(s): WM Smith, M Franko, FO Weyman, Rravikumar

Annual Conference: 1991, Vol. 18

Paper ID: 91-169.7

Biodegradation of 2,4,6-Trinitrotoluene (TNT) by a Microbial Consortium

Author(s): CF Kulpa, PM Charlebois, CD Montemagno

Annual Conference: 1991, Vol. 11

Paper ID: 91-17.1

On-Site Treatment of a Surface Impoundment Liquid Waste

Author(s): DD Hickey, BR Larsen Annual Conference: 1991, Vol. 11

Paper ID: 91-17.3

An Evaluation of Sampling Strategies for Determining Soil Filter Control Efficiencies

Author(s): RS Berry, CE Schmidt, RC Wells

Annual Conference: 1991, Vol. 11

Paper ID: 91-17.4

Applications of Treatability Studies in Management of Fuels/Petroleum Waste Impacted Soils

Author(s): RR Dupont

Annual Conference: 1991, Vol. 11

Paper ID: 91-17.5

Clean Soil Process-Treatment of Oily/Tarry Wastes

Author(s): T Ignasiak, K Szymocha, D Carson, B Ignasiak, C

Kulik

Annual Conference: 1991, Vol. 11

Paper ID: 91-17.6

Nitrogen Cycling Process Assessment in Contaminated Soil Treatability Studies

Author(s): DL Sorensen, RR Dupont, RN Miller

Annual Conference: 1991, Vol. 11

Paper ID: 91-17.7

Bioremediation Studies at a Northern California Superfund Site

Author(s): GD McGinnis, J Matthews, D Pope, RS Kerr

Annual Conference: 1991, Vol. 11

Paper ID: 91-17.8

Inhalation Cancer Risk Assessment for a Proposed 1,600-MW CG/CC Power Plant

Author(s): JL Meling

Annual Conference: 1991, Vol. 17

Paper ID: 91-170.1

Analysis of the Impact of Exposure Assumptions on Risk Assessment

Author(s): GK Whitmyre, ME Ginevan, JH Driver, RG

Tardiff, SR Baker

Annual Conference: 1991, Vol. 17

Paper ID: 91-170.2

A Composite Risk Index Approach for the Assessment of Multimedia Risks from MSW Landfill Gas Contaminants

Author(s): A Eschenroeder, K von Stackelberg

Annual Conference: 1991, Vol. 17

Paper ID: 91-170.3

Evaluation of Air Toxics Risk from an RDF-Fired Power Plant

Author(s): JA Musso, DR Welder, KK Connor, DB Room

Annual Conference: 1991, Vol. 17

Paper ID: 91-170.4

Uncertainty Analysis of Air Pathway Exposure Assessment Data

Author(s): MA Stafford, HM Liljestrand Annual Conference: 1991, Vol. 17

Paper ID: 91-170.6

Implications of the Upper Bound ad Average Exposure Scenario on Risk Management Decisions for Contaminated Site Remediation

Author(s): WB Kindzierski, SE Hrudey Annual Conference: 1991, Vol. 17

Paper ID: 91-170.7

Impact of Risk Assessment Assumptions for Permitting of a Circulating Fluidized Bed Boiler Test Facility for Various Fossil Fuels

Author(s): LB Gratt, BA Furbush Annual Conference: 1991, Vol. 17

Paper ID: 91-170.8

Analysis of Cancer Risks in 19 U.S. Cities from Air Toxics Monitoring Data and Comparison with Risks Based on Dispersion Modeling of Emissions Data

Author(s): TF Lahre

Annual Conference: 1991, Vol. 17

Paper ID: 91-171.1

Sources of Air Toxics in Columbus OH: A Receptor Modeling Approach

Author(s): JJ Shah, SA Edgerton, CW Spicer

Annual Conference: 1991, Vol. 17

Paper ID: 91-171.2

The TEAM Study of Inhalable Particles (PM): Study Design, Sampler Performance and Preliminary Results

Author(s): LA Wallace, E Pellizzari, L Sheldon, R Whitmore, H Zelon, A Clayton, Rshores, K Thomas, S Whitaker, P Reading, J Spengler, H Ozkaynak, S Froehlich, P Jenkins, L Ota, D Westerdahl

Annual Conference: 1991, Vol. 17

Paper ID: 91-171.3

A Quantitative Risk Based Model for Environmental Decision Analysis

Author(s): W OTT, n Duan Annual Conference: 1991, Vol. 17

Paper ID: 91-171.5

Sources of Particulate Air Pollution in Beijing, China

Author(s): S Ge, JJ Huntzicker, ZL Chen Annual Conference: 1991, Vol. 17

Paper ID: 91-171.6

Comprehensive Apportionment of Air Toxic Risks Considering Chronic Short-term and Potential Exposure

Author(s): DA Sullivan

Annual Conference: 1991, Vol. 17

Paper ID: 91-171.8

Stochastic Model for Estimating Personal Exposures in Contaminated Buildings at Superfund Sites

Author(s): DJ Fingleton, MM MacDonell, H Ozkaynak, J Xue,

D Butler

Annual Conference: 1991, Vol. 17

Paper ID: 91-172.1

Predicting Personal Exposures to Ozone and Volatile Organic Compounds and its Implications to Risk Assessment

Author(s): H Ozkaynak, M Schwab, D Butler, JD Spengler

Annual Conference: 1991, Vol. 17

Paper ID: 91-172.11

Valdez Air Health Study-Personal, Indoor, Outdoor and Tracer Monitoring

Author(s): JE Yocum, DER Murray, R Mikkelsen

Annual Conference: 1991, Vol. 17

Paper ID: 91-172.12

The Valdez Air Health Study- Integrating Monitoring, Modeling and Human Activity Pattern Analyses to Assess Health Risks

Author(s): RG Tardiff, JH Driver, ME Ginevan, SR Baker

Annual Conference: 1991, Vol. 17

Paper ID: 91-172.2

PSEM-A Model of Long-Term Exposures to Emissions from Point Sources

Author(s): PS Price, J Sample, R Strieter Annual Conference: 1991, Vol. 17

Paper ID: 91-172.3

Children in California: Activity Patterns and Presence of Pollutant Sources

Author(s): TJ Phillips, PL Jenkins, EJ Mulberg

Annual Conference: 1991, Vol. 17

Paper ID: 91-172.5

The Estimation of Commuting Patterns in Applications of the Hazardous Air Pollutant Exposure Model (HAPEM)

Author(s): TR Johnson, JE Capel, DM Byrne

Annual Conference: 1991, Vol. 17

Paper ID: 91-172.6

Exposure Estimation and Acute Respiratory Health Effects of Airborne Particles

Author(s): DF Shearer, SD Colome, MT Kleinman

Annual Conference: 1991, Vol. 17

Paper ID: 91-172.7

Predicting Personal Exposures to NO for Population-Based Exposure and Risk Evaluations

Author(s): IH Billick, H Ozkaynak, DA Butler, JD Spengler

Annual Conference: 1991, Vol. 17

Paper ID: 91-172.9

Overview of a Decision Analytic Approach to Noncancer Health Risk Assessment

Author(s): HM Richmond

Annual Conference: 1991, Vol. 17

Paper ID: 91-173.1

Evaluation of Risk Assessment Methods for Short-Term Inhalation Exposure

Author(s): DJ Guth, AM Jarabek, L Wymer, RC Hertzberg

Annual Conference: 1991, Vol. 17

Paper ID: 91-173.2

Inhalation Reference Concentration Methodology: Impact of Dosimetric Adjustments and Future Directions Using the Confidence Profile Method

Author(s): AM Jarabek, V Hasselblad Annual Conference: 1991, Vol. 17

Paper ID: 91-173.3

Modeling the Severity of Toxic Effects

Author(s): RC Hertzberg, L Wymer Annual Conference: 1991, Vol. 17

Paper ID: 91-173.4

Overview of EPA's Quantitative Noncancer Guidelines

Author(s): ML Dourson

Annual Conference: 1991, Vol. 17

Paper ID: 91-173.5

Comparison of the Properties of Reference Doses Based on the NOAEL and Benchmark Doses

Author(s): DW Gaylor

Annual Conference: 1991, Vol. 17

Paper ID: 91-173.6

Ontario's Clean Air Program

Author(s): JD Phyper, R Fonseca Annual Conference: 1991, Vol. 16

Paper ID: 91-174.1

Development of a Local Air Toxics Control Regulation

Author(s): ML Corbin, NN Maykut, JL Nolan

Annual Conference: 1991, Vol. 16

Paper ID: 91-174.2

A Comparison of State and Federal Management Programs for the Control of Toxic Air Contaminants

Author(s): GW Siple

Annual Conference: 1991, Vol. 16

Paper ID: 91-174.3

Comparison of Existing California Air Toxics Legislation Versus Title III of the New Clean Air Act

 $\hbox{Author(s): SA Jones}$

Annual Conference: 1991, Vol. 16

Paper ID: 91-174.4

Acceptable Risk Level in State Air Toxics Programs

Author(s): B Ruffle, B Magee Annual Conference: 1991, Vol. 16

Paper ID: 91-174.6

Air Toxics Hot Spots: Identifying Potentially High Risk Facilities and Conducting Risk Assessment

Author(s): RW Corey

Annual Conference: 1991, Vol. 16

Paper ID: 91-174.7

Strategies for Successful Risk Communication and Public Decision Making

Author(s): CS Shirley, R Lash Annual Conference: 1991, Vol. 17

Paper ID: 91-175.1

The Greening of the American Conscience: Improving Public Understanding of Environmental Issues Through Effective Communication Tools

Author(s): MA Shetler, FE Mangone Annual Conference: 1991, Vol. 17

Paper ID: 91-175.3

The Myth of 10 as a Definition of "Acceptable Risk"

Author(s): KE Kelly

Annual Conference: 1991, Vol. 17

Paper ID: 91-175.4

Broad Based Task Forces Approach to Community Air Toxics Concerns and Permitting Issues-A Case Study

Author(s): EL Henderson Annual Conference: 1991, Vol. 17

Paper ID: 91-175.5

Soil and Ground Water Bioremediation at a State Superfund Site

Author(s): EK Nyer, G Boettcher, NA Gillotti, JA Petersohn

Annual Conference: 1991, Vol. 11

Paper ID: 91-18.1

In-Situ Bioclosure of a RCRA Impoundment: A Case Study

Author(s): MP Pitre, JM Beath Annual Conference: 1991, Vol. 11

Paper ID: 91-18.2

Progress in the Treatment of Hazardous Wastes Using Biotreatment Technologies

Author(s): FV Krmer, WW Kovalick, NE Dean

Annual Conference: 1991, Vol. 11

Paper ID: 91-18.3

Bioremediation of the American Creosote Works Superfund Site, Pensacola, Florida

Author(s): JG Mueller, SE Lantz, RL Thomas, EL Kline, PJ Chapman, DP Middaugh, PH Pritchard, RJ Colvin, AP

Rozich, D Ross

Annual Conference: 1991, Vol. 11

Paper ID: 91-18.4

Field Testing of the ADA Continuous Ammonia Slip Monitor

Author(s): MD Durham, RJ Schlager, GL Anderson

Annual Conference: 1991, Vol. 15B

Paper ID: 91-180.1

A Computerized System for Interfacing Emissions Calculations and Modeling of Fugitive Particulate Sources

Author(s): RJ Hammer

Annual Conference: 1991, Vol. 8

Paper ID: 91-180.18

Personal Monitoring of Total Suspended Particulates in South Africa

Author(s): AP Terblanche, HE Smit, L Uys Annual Conference: 1991, Vol. 15B

Paper ID: 91-180.25

Changes in National VOC Emission Estimates for Highway Vehicles

Author(s): G Gschwandtner Annual Conference: 1991, Vol. 8

Paper ID: 91-180.26

Proceedings of Two Highway Vehicle Emissions Workshops

Author(s): JH Wilson

Annual Conference: 1991, Vol. 8

Paper ID: 91-180.27

Estimating the Influence of Relative Humidity on Rural Visibility in the United States

Author(s): JF Sisler

Annual Conference: 1991, Vol. 20

Paper ID: 91-180.34

The Canadian Petroleum Association Production Waste Management Handbook

Author(s): GA Webster, K Johnson Annual Conference: 1991, Vol. 20

Paper ID: 91-180.35

Role of the States in the Re-Authorization of the Clean Air Act

Author(s): DJ Shaw

Annual Conference: 1991, Vol. 8

Paper ID: 91-180.36

Estimating Excess Cancer Risk from the TAP Emissions of Gasoline Powered Vehicles

Author(s): C Bloom

Annual Conference: 1991, Vol. 15B

Paper ID: 91-180.38

Planning Risk Communication Programs: Lessons for Alerting People versus Reassuring Them

Author(s): A Fisher

Annual Conference: 1991, Vol. 15B

Paper ID: 91-180.39

A 1-Dimensional Radiative Convective Climate Model

Author(s): RM MacKay, MAK Khalil Annual Conference: 1991, Vol. 15B

Paper ID: 91-180.55

Adverse Respiratory Health Effects of Ambient Inhalable Particle Exposure

Author(s): S Vedal, J Blair, B Manna Annual Conference: 1991, Vol. 15B

Paper ID: 91-180.56

Emission Factors for Superfund Remediation Technologies

Author(s): BM Eklund

Annual Conference: 1991, Vol. 8

Paper ID: 91-180.57

A Comparison of Emissions from Mobile Sources Using Random Roadside Surveys Conducted in 1985, 1987 and 1989

Author(s): LL Ashbaugh Annual Conference: 1991, Vol. 2

Paper ID: 91-180.58

Modeling of Local PM10 in the Riverside/Rubidoux Area

Author(s): IT Wang

Annual Conference: 1991, Vol. 2

Paper ID: 91-180.59

Use of Ambient Ratios to Estimate Impact of NOx Sources on Annual No Concentrations

Author(s): SH Chu, EL Meyer Annual Conference: 1991, Vol. 20

Paper ID: 91-180.6

Vaal Triangle Air Pollution Health Study: Study Design

Author(s): AP Terblanche, L Uys, H Smit Annual Conference: 1991, Vol. 15B

Paper ID: 91-180.68

Successful Destruction of Chemical Weapons and Agent: The BZ Experience

Author(s): Dr. RA Jensen

Annual Conference: 1991, Vol. 20

Paper ID: 91-180.8

The Biological Treatment of Groundwater Contaminated with Chlorinated and Nonchlorinated Volatile A Continuous-Flow Pilot Scale Treatability Study

Author(s): JM Thomas, GM Leong Annual Conference: 1991, Vol. 11

Paper ID: 91-19.1

Treatability Testing for Bioremediation

Author(s): T Holbrook

Annual Conference: 1991, Vol. 11

Paper ID: 91-19.3

A Field Treatability Test for Bioventing

Author(s): RE Hinchee, SK Ong, R Hoeppel

Annual Conference: 1991, Vol. 11

Paper ID: 91-19.4

Status of Superfund-Progress and Reauthorization

Author(s): H Taback, RK Krishnan Annual Conference: 1991, Vol. 18

Paper ID: 91-2.1

Sara Title III-What's Happening Now

Author(s): DR Irvin

Annual Conference: 1991, Vol. 8

Paper ID: 91-2.3

Field Demonstration of PCB Degradation Using White Rot Fungus

Author(s): DW Mills, TG Lumapas, RD Kearns, CA Bradley

Annual Conference: 1991, Vol. 11

Paper ID: 91-20.1

Behavior of a Pseudomonas Cepacia Strain in Bioaugmentation of Soil Contaminated with 2,4-Dichlorophenoxyacetic Acid

Author(s): Y Comeau, CW Greer, R Samson

Annual Conference: 1991, Vol. 11

Paper ID: 91-20.2

Use of Anaerobic Respirometers for Measuring Gas Production in Toxicity and Treatability Tests

Author(s): JC Young, ML Kuss, MA Nelson

Annual Conference: 1991, Vol. 11

Paper ID: 91-20.3

Evaluation of Nutritional and Operational Requirements for Biodegradation of Chlorinated Phenols by the White Rot Basidiomycete, Phanerochaete Chrysosporium in RBC Reactors

Author(s): HH Tabak, JA Glaser, S Strohofer, MJ Kupferle, P

Scarpino, MW Tabor

Annual Conference: 1991, Vol. 11

Paper ID: 91-20.4

Bioleaching of Toxic Metals from Geothermal Solid Waste in Fluidization System

Author(s): S Kang, RD Sproull Annual Conference: 1991, Vol. 11

Paper ID: 91-20.6

Evaluation of Interphase Transfer Chemical Alternation and Detoxification in Treatability Testing for Remediation of Contaminated Soil

Author(s): CK Abbott, RC Sims Annual Conference: 1991, Vol. 11

Paper ID: 91-20.7

Chemical Dechlorination of Pesticides at a Superfund Site in Region 11

Author(s): S Pendergrass, J Prince Annual Conference: 1991, Vol. 11

Paper ID: 91-21.5

Demonstrating Land Treatment Effectiveness for Oil-Production Wastes in the San Joaquin Valley, California

Author(s): JA Rehage, JM Waldron Annual Conference: 1991, Vol. 11

Paper ID: 91-21.6

Thermal Desorption Technologies

Author(s): PR de Percin

Annual Conference: 1991, Vol. 11

Paper ID: 91-22.1

In Situ Vitrification: Process and Products

Author(s): CH Kindle, SS Koegler Annual Conference: 1991, Vol. 11

Paper ID: 91-22.11

Contaminated Soils Remediation and Utilization: A Case Study

Author(s): DM Stewart

Annual Conference: 1991, Vol. 11

Paper ID: 91-22.12

Biodegradation of Pesticides in Soil

Author(s): PM Thorn, JP Kreitinger, HF Stroo

Annual Conference: 1991, Vol. 11

Paper ID: 91-22.13

Complete Dechlorination of Chloroaromatics with Alkaline PEG Chemistry

Author(s): AB King, R Hoch Annual Conference: 1991, Vol. 11

Paper ID: 91-22.14

Challenges when Using the Moving Lake Method for Site Remediation

Author(s): JW Fleming

Annual Conference: 1991, Vol. 11

Paper ID: 91-22.3

Demonstration of the CF Systems Soil Treatment technology at New Bedford Harbor

Author(s): R Hergenroeder Annual Conference: 1991, Vol. 11

Paper ID: 91-22.4

Thermal Desorption of Oily Soils ad Sludges

Author(s): R Abrishanian

Annual Conference: 1991, Vol. 11

Paper ID: 91-22.5

Batch Steam Distillation/Metal Extraction Treatment Process for Contaminated Superfund Soils

Author(s): ES Alperin, KG Sadler, RD Fox

Annual Conference: 1991, Vol. 11

Paper ID: 91-22.6

In-Situ Remediation of Chlorinated Solvents in Soils and Groundwater at an Electronics Manufacturing Facility

Author(s): GJ Smith, JW Aiken Annual Conference: 1991, Vol. 11

Paper ID: 91-22.7

Immobilization of Low-Level Organic Compounds in Hazardous Waste

Author(s): JR Conner, PR Lear Annual Conference: 1991, Vol. 11

Paper ID: 91-22.9

Case History: Effective Groundwater Remediation at the United Chrome Superfund Site

Author(s): LC McPhillips, RC Pratt, WS McKinley

Annual Conference: 1991, Vol. 11

Paper ID: 91-23.2

Ground Water Contamination: Investigation and Remediation

Author(s): TS Seguljic, MC Possidento Annual Conference: 1991, Vol. 11

Paper ID: 91-23.3

Selective Removal of Heavy Metals from Wastewater Using Silica Gel Immobilized Mactocylic Ligands Laboratory Study on Industrial Wastes from Hill Air Force Base, Utah

Author(s): JH Stallings, O Saenz, B Webster

Annual Conference: 1991, Vol. 11

Paper ID: 91-23.4

Groundwater Remediation at a Spent Potliner Disposal Site

Author(s): BP Leber

Annual Conference: 1991, Vol. 11

Paper ID: 91-23.5

Remediation of TCE in the Surficial Aquifer at the Kennedy Space Center, Merritt Island, Florida

Author(s): JW Hayman, GL Rexroad, RB Adams, RL

Eisenbach

Annual Conference: 1991, Vol. 11

Paper ID: 91-23.6

Chemical Oxidation Using Hydrogen Peroxide and Ultraviolet Light

Author(s): FE Bernardin, Jr. Annual Conference: 1991, Vol. 11

Paper ID: 91-24.1

UV/Oxidation Treatment of Contaminated Waters as a Stand Alone System or as a Component of a Multi-technology Approach

Author(s): WS Himebaugh, JD Zeff Annual Conference: 1991, Vol. 11

Paper ID: 91-24.3

Remediation of a Large Site Contaminated with Chlorinated Hydrocarbons

Author(s): DE Park, DJ Wozniak Annual Conference: 1991, Vol. 11

Paper ID: 91-24.4

Laser Induced Photochemical Oxidative Destruction of Toxic Organics in Solution

Author(s): JH Porter, GK Vungarala, DD Streete, WH Jackson

Annual Conference: 1991, Vol. 11

Paper ID: 91-24.5

An Integrated Biolofical System for the Treatment of Hydrocarbon Contaminated Soil and Groundwater

Author(s): JV Kinsella, WR Mahaffey Annual Conference: 1991, Vol. 11

Paper ID: 91-24.7

Advanced Biological Treatment for Groundwater Contaminants: Development of Specialized Aerobic Consortia

Author(s): JF Ferguson, E Tuomi, HD Stensel

Annual Conference: 1991, Vol. 11

Paper ID: 91-24.8

Investigation of Gas-Phase Decontamination of Internally Radioactively Contaminated Gaseous Diffusion Process Equipment and Piping

Author(s): RD Bundy, EB Munday Annual Conference: 1991, Vol. 11

Paper ID: 91-25.1

Removal of Radionuclides in Wastewaters Utilizing the TRU/Clear Chemical Process

Author(s): ME Potts, JP Deininger Annual Conference: 1991, Vol. 11

Paper ID: 91-25.3

Physical/Chemical Treatment of Mixed Waste Solids

Author(s): MI Morris, ES Alperin, RD Fox

Annual Conference: 1991, Vol. 11

Paper ID: 91-25.5

Treatment of Mixed Waste Sludge

Author(s): ES Alperin, A Groen, RD Fox Annual Conference: 1991, Vol. 11

Paper ID: 91-25.7

Retrofit Acid Gas Emission Controls for Municipal Waste Incineration: Impact of New Regulations

Author(s): JT Zmuda, PV Smith Annual Conference: 1991, Vol. 12

Paper ID: 91-26.1

Overview of EPA's Hazardous Waste Combustion Regulations

Author(s): R Holloway

Annual Conference: 1991, Vol. 12

Paper ID: 91-26.12

The Impact of EPA's Air Pollution Emission Standards and Guidelines on Municipal Waste Combustion Units

Author(s): PW Frillici

Annual Conference: 1991, Vol. 12

Paper ID: 91-26.2

Energy and Cost Impacts of Materials Separation on Municipal Waste Combustors

Author(s): F Stodolsky, DO Moses Annual Conference: 1991, Vol. 12

Paper ID: 91-26.3

A Highly Efficient Preliminary Hazards Analysis of an Integrated Treatment Center

Author(s): JS Love, Jr., SK Zwayyed, TC McKelvey

Annual Conference: 1991, Vol. 12

Paper ID: 91-26.4

Impact of New Metals Regulations on Trial Burn Design for Hazardous Waste Combustion Facilities

Author(s): GD Hinshaw, BL Rice Annual Conference: 1991, Vol. 12

Paper ID: 91-26.8

The Rational for Canada's Operating and Emission Guidelines for Municipal Solid Waste Incinerators

Author(s): A Finkelstein

Annual Conference: 1991, Vol. 12

Paper ID: 91-27.3

Overview of Federal Air Emission Standards and Guidelines for Municipal Waste Combustors

Author(s): WH Stevenson

Annual Conference: 1991, Vol. 12

Paper ID: 91-27.6

Medical Waste Regulatory Developments and Facility Compliance

Author(s): ML Wollschlager, TG Casey Annual Conference: 1991, Vol. 12

Paper ID: 91-28.2

Regulatory Framework for Mixed Waste Incineration

Author(s): WM Hipsher

Annual Conference: 1991, Vol. 12

Paper ID: 91-28.3

Regulation of Mixed Waste

Author(s): DL Laswell, ME Dooghan Annual Conference: 1991, Vol. 12

Paper ID: 91-28.4

Social and Economic Impacts of New York State Regulations on Medical Waste Incineration Facilities

Author(s): M Traister, JP Webster Annual Conference: 1991, Vol. 12

Paper ID: 91-28.5

The Destruction of Asbestos by Vitrification

Author(s): D Roberts

Annual Conference: 1991, Vol. 11

Paper ID: 91-29.1

Flexibility in Wastes Remediation with Pyrolysis The AOSTRA Taciuk Process

Author(s): W Taciuk, RM Ritcey Annual Conference: 1991, Vol. 11

Paper ID: 91-29.2

Public Impact on Remediation of the Former Texaco Refinery Port Credit, Ontario

Author(s): NG Guiuliany, DD DuBois Annual Conference: 1991, Vol. 10A

Paper ID: 91-3.1

Zero Air Emission and Zero Drilling Waste Landfill Leachate Collection Well Installation Methods

Author(s): MS Miller, RG Hornsby Annual Conference: 1991, Vol. 10A

Paper ID: 91-3.5

Site Assessment and Remediation in Alberta

Author(s): BE Berzins, L Kerkoff, JM Turner

Annual Conference: 1991, Vol. 10A

Paper ID: 91-3.6

The Beco "Alka/Sorb" Process Application to Biomedical Waste Incinerators

Author(s): BJ Lerner

Annual Conference: 1991, Vol. 12

Paper ID: 91-30.1

Performance of Dry Lime Scrubbers with Medical Waste Incinerators Using Field Experience to Correct Design Deficiencies

Author(s): G Maxwell

Annual Conference: 1991, Vol. 12

Paper ID: 91-30.11

Integrating Incinerator, Scrubber and Waste Disposal The Key to Successful Medical Waste Control

Author(s): KC Schifftner

Annual Conference: 1991, Vol. 12

Paper ID: 91-30.2

Environmental and Health Risk Analysis of Medical Waste Incinerators Employing State of the Art Emission Controls

Author(s): F Hasselriis, D Corbus, R Kasinathan

Annual Conference: 1991, Vol. 12

Paper ID: 91-30.3

The Baltimore Area Medical Waste Disposal Facility

Author(s): WO Wiley

Annual Conference: 1991, Vol. 12

Paper ID: 91-30.4

Control of Hospital Waste Incineration Emissions-Case Study

Author(s): AJ Teller, JY Hsieh Annual Conference: 1991, Vol. 12

Paper ID: 91-30.5

Implementation of Regional Biomedical Waste Incineration Facilities

Author(s): TJ Chang

Annual Conference: 1991, Vol. 12

Paper ID: 91-30.6

Review of Federal/State Medical Waste Management

Author(s): CC Lee, GL Huffman Annual Conference: 1991, Vol. 12

Paper ID: 91-30.9

The Environmental Impacts of Utilizing Waste Tires and High Carbon Coal Flyash as Alternative Fuels in a Coal Fired Utility Boiler

Author(s): GJ Eirschele

Annual Conference: 1991, Vol. 12

Paper ID: 91-31.1

Computer Calculations for a Hazardous Waste Incineration Facility

Author(s): J Reynolds, L Theodore, P Farber, C Pratt

Annual Conference: 1991, Vol. 12

Paper ID: 91-31.11

Development of a Dewatering/Drying Process for Biological Sludge Incineration in a Rotary Kiln

Author(s): WY Wang

Annual Conference: 1991, Vol. 12

Paper ID: 91-31.2

Sewage Sludge Thermal Drying with Low Environmental Impact

Author(s): KS Feindler

Annual Conference: 1991, Vol. 12

Paper ID: 91-31.3

Rotary Kiln Incineration-Batch Processing of Toluene on Sorbent Contained in Plastic Packs

Author(s): CB Leger, VA Cundy, AM Sterling, AN

Montestruc, AL Jakway, WD Owens Annual Conference: 1991, Vol. 12

Paper ID: 91-31.4

Bag Filter Systems for Municipal Solid Waste (MSW) Incinerators Operation and Performance

Author(s): J Iori

Annual Conference: 1991, Vol. 12

Paper ID: 91-31.6

Liquid Waste Incineration: An Industry Perspective

Author(s): AM Day

Annual Conference: 1991, Vol. 12

Paper ID: 91-31.8

The Removal of Metals by Washing of Incinerator Ash

Author(s): F Hasselriis, DA Drum, K Martin, D Brock, E

Schoiettker, A Zanella

Annual Conference: 1991, Vol. 12

Paper ID: 91-32.2

Case Studies of Particulate Matter, Heavy Metal and Total Equivalent Dioxin/Furan Collection Using PTFE Membrane Filter Media

Author(s): T Kreindl, GA Brinckman

Annual Conference: 1991, Vol. 12

Paper ID: 91-32.3

Certification Protocol for Meeting Organic Treatment Standards for Incineration Ash

Author(s): WR Schofield, JW Kolopanis, TS Johnson

Annual Conference: 1991, Vol. 12

Paper ID: 91-32.4

Regulatory Uncertainty in Ash Management: Congress, EPA and the Courts

Author(s): MJ Marchaterre, JM Scanlon Annual Conference: 1991, Vol. 12

Paper ID: 91-32.5

potential Benefits of Polyvinyl Chloride and Polyvinylidene Chloride Reductions on Incinerator Emissions

Author(s): RJ Pasek, DPY Chang Annual Conference: 1991, Vol. 12

Paper ID: 91-33.1

The Impact of Design, Procurement and Disposal Options on Medical Waste Incineration in Australasia

Author(s): MM Bulley

Annual Conference: 1991, Vol. 12

Paper ID: 91-33.3

Guide to Waste Treatment for Small Facilities

Author(s): DA Drum, N Price, J Ashe, C Chiprean, D

McKruit, J Tipping

Annual Conference: 1991, Vol. 12

Paper ID: 91-33.4

Medical Waste Incineration With a Toxic Prevention Protocol

Author(s): A Green, J Wagner, C Saltiel, J Blake, XQ Ma

Annual Conference: 1991, Vol. 12

Paper ID: 91-33.5

Design and Operation of Thermal Treatment Units with Waste Stream Modification

Author(s): S Almaula

Annual Conference: 1991, Vol. 12

Paper ID: 91-33.6

Segregation of Specific Regulated Medical Waste Items Can Be the Centerpiece of Medical Waste Reduction and Cleaner Incineration

Author(s): JW Jordan, CS Konheim, JA McGrane

Annual Conference: 1991, Vol. 12

Paper ID: 91-33.7

Fuel Impacts on Waste to Energy Facilities Due to Recycle of Solid Waste Components

Author(s): RJ Murphy, D Silkebakken, T Chatchupong

Annual Conference: 1991, Vol. 12

Paper ID: 91-33.8

Wet Scrubbing System for Waste Incinerators

Author(s): A Sigg

Annual Conference: 1991, Vol. 12

Paper ID: 91-34.1

Source Emissions Testing Performed on a Rotary Wet Cement Kiln Listed as a RCRA Incinerator

Author(s): RE Kalweit, MR Wherrett Annual Conference: 1991, Vol. 12

Paper ID: 91-34.2

Evaluation of the Thermal Stability POHC Incinerability Ranking in a Pilot-Scale Rotary Kiln Incinerator

Author(s): JW Lee, LR Waterland, WE Whitford, GJ Carroll

Annual Conference: 1991, Vol. 12

Paper ID: 91-34.3

Electrostatic Precipitator vs. Fabric Filter for Dioxin/Furan Emission Control on Hazardous Waste Incinerator at Sakab, Sweden

Author(s): KG Feldt

Annual Conference: 1991, Vol. 12

Paper ID: 91-34.4

The Use of Sulfur Hexafluoride as an Indictor of Incineration Efficiency

Author(s): DJ March, CC Lee, H Jermyn Annual Conference: 1991, Vol. 12

Paper ID: 91-34.5

The NOxOut Process for the Control of the NOx Emissions from Waste Incinerators

Author(s): R Pachaly, JE Hofmann, WH Sun

Annual Conference: 1991, Vol. 12

Paper ID: 91-34.6

Mercury Emissions from Municipal Solid Waste Combustion

Author(s): CS Volland

Annual Conference: 1991, Vol. 12

Paper ID: 91-35.1

Mathematical Modeling of Simultaneous SO NOx and HCL Removal in a Spray Dryer at Municipal Solid Waste Combustion Facilities

Author(s): CS Yuan, FN Wu

Annual Conference: 1991, Vol. 12

Paper ID: 91-35.2

Mercury Sampling and Analytical Issues at Municipal Waste Combustors

Author(s): C K Amos, Jr.

Annual Conference: 1991, Vol. 12

Paper ID: 91-35.3

Air Toxics Monitoring Program and Emissions Assessment for Pathological Incinerators

Author(s): PJ Brewer

Annual Conference: 1991, Vol. 12

Paper ID: 91-35.4

Mercury Removal from Incineration Flue Gas

Author(s): AJ Teller, JM Quimby Annual Conference: 1991, Vol. 12

Paper ID: 91-35.5

Interpreting Biological and Ambient Air Monitoring Data Near Municipal solid Waste Incinerators

Author(s): DW Ditz, A Carpi, LH Weinstein

Annual Conference: 1991, Vol. 12

Paper ID: 91-35.7

Commercial Application of the NOxOUT Process at a Municipal Solid Waste Combustor

Author(s): LR Wolfenden, WF Flowers, BK Luftglass, SM

Peters

Annual Conference: 1991, Vol. 12

Paper ID: 91-35.8

Removal of Heavy Metals and Dioxin in Flue Gas Cleaning After Waste Incineration

Author(s): J Riley, R Knoche, J Vicinus Annual Conference: 1991, Vol. 12

Paper ID: 91-35.9

Indirect Heated Thermal Disc Processors for Wastewater Sludge Dehydration Prior to Combustion

Author(s): BJ Low, P Lackemacher Annual Conference: 1991, Vol. 12

Paper ID: 91-36.1

Total Hydrocarbon Emissions from Multiple Hearth Furnaces

Author(s): A Baturay

Annual Conference: 1991, Vol. 12

Paper ID: 91-36.12

Updating Sludge Incineration Systems to Meet the Challenge

Author(s): PA Burrowes, W DeAngelis Annual Conference: 1991, Vol. 12

Paper ID: 91-36.2

The Expansion of a Net Producer of Thermal Energy

Author(s): J van de Kraats, C Proietti, PA Burrowes

Annual Conference: 1991, Vol. 12

Paper ID: 91-36.3

Particulate and Heavy Metal Control from Sludge Combustion Using Fabric Filtration

Author(s): RT Haug, AM Hui, DJ Sereno, FM Lewis, OR

Moghaddam

Annual Conference: 1991, Vol. 12

Paper ID: 91-36.5

The Impact of Advanced Wastewater Treatment on Sewage Sludge Incineration

Author(s): D Ritts

Annual Conference: 1991, Vol. 12

Paper ID: 91-36.6

New Age Fluid Bed Sewage Sludge Incineration

Author(s): DM Albertson Annual Conference: 1991, Vol. 12

Paper ID: 91-36.7

Experience with Low Excess Air Operation in Multiple Hearth Furnaces

Author(s): P Boulay, RG Forbess, NJ Marchese

Annual Conference: 1991, Vol. 12

Paper ID: 91-36.8

Pre- and Post-Construction Evaluations of a Road Constructed with Stabilized FGD Gypsum Mixtures

Author(s): RA Taha, RK Seals, D Saylak Annual Conference: 1991, Vol. 13

Paper ID: 91-37.1

Microwave Sintering of Ashes

Author(s): EP Bescher, YH Kao, JD Mackenzie

Annual Conference: 1991, Vol. 13

Paper ID: 91-37.11

Characterization and Stabilization of Evaporator/Spray Dryer Solid Waste

Author(s): AE Bland, RK Kissel Annual Conference: 1991, Vol. 13

Paper ID: 91-37.12

The Use of Fly Ash in Pumpable Mass Concrete

Author(s): L Wei, TR Naik, DM Golden Annual Conference: 1991, Vol. 13

Paper ID: 91-37.13

Strategies for a Corporate Waste Reduction Program

Author(s): CR Axness

Annual Conference: 1991, Vol. 13

Paper ID: 91-37.14

The U.S. DOE Office of Fossil Energy Waste Management Program

Author(s): RC Bedick, JL Harness Annual Conference: 1991, Vol. 13

Paper ID: 91-37.3

The Use of Fly Ash and Blast Furnace Slag in the Manufacture of Concrete

Author(s): RL Day, J Jiang Annual Conference: 1991, Vol. 13 Paper ID: 91-37.4

Environmental Performance of Wastes from a Lime Injection Technology

Author(s): A Weinberg, LJ Holcombe, R Butler

Annual Conference: 1991, Vol. 13

Paper ID: 91-37.5

Characterization of Advanced Physical Cost Cleaning By-Products

Author(s): RD Achord, DM Golden Annual Conference: 1991, Vol. 13

Paper ID: 91-37.6

Spent Solvent Waste Management at Electric Utility Facilities

Author(s): RP Oliphint, SJ Galegher, LJ Holcombe, TA Lott

Annual Conference: 1991, Vol. 13

Paper ID: 91-37.7

Coal Combustion Ash Disposal Underground Injection of Fly Ash into Mined Out Portions of Coal Mine

Author(s): JA Freitag, TE Hemminger, G Garrison

Annual Conference: 1991, Vol. 13

Paper ID: 91-37.9

Plastics Recycling: Beyond Beverage Bottles

Author(s): W Pearson

Annual Conference: 1991, Vol. 13

Paper ID: 91-38.1

Calculating a Community's Maximum Recycling Potential

Author(s): JK O'Brien, JF Williams Annual Conference: 1991, Vol. 13

Paper ID: 91-38.2

Street Maintenance in New York City Using Recycling Materials

Author(s): H Castedo, H Watson Annual Conference: 1991, Vol. 13

Paper ID: 91-38.3

Case Study: Development and Implementation of a Comprehensive Solid Waste Management Program at the Ouaker Oats Company

Author(s): ND Horowitz

Annual Conference: 1991, Vol. 13

Paper ID: 91-38.5

Market Development for Recyclable Materials: The New York City Experience

Author(s): TA Polk

Annual Conference: 1991, Vol. 13

Paper ID: 91-38.6

Designing Waste Composition Studies to Optimize Implementation of the Solid Waste Hierarchy

Author(s): MJ Clarke

Annual Conference: 1991, Vol. 13

Paper ID: 91-38.8

Steel Can Recycling: An Update on Progress and Development in the U.S. and Canada

Author(s): GL Crawford

Annual Conference: 1991, Vol. 13

Paper ID: 91-38.9

Research and Development in HAZMIN

Author(s): RL Eichholtz

Annual Conference: 1991, Vol. 13

Paper ID: 91-40.1

Environmental Compliance Through Smart Acquisition Practices

Author(s): GH Terrell

Annual Conference: 1991, Vol. 13

Paper ID: 91-40.2

HAZMIN Audits and an Overview of the Army's Hazardous

Wastes

Author(s): MJ Dette

Annual Conference: 1991, Vol. 13

Paper ID: 91-40.3

An Integrated Plan for the Management of Hazardous Material/Hazardous Waste in the U.S. Army

Author(s): s Bunch, SW Maloney, MJ Dette

Annual Conference: 1991, Vol. 13

Paper ID: 91-40.4

Cryogenic Recovery of VOC Emissions

Author(s): GT Sameshima, JD Eisenwasser

Annual Conference: 1991, Vol. 13

Paper ID: 91-41.1

Solvent Recovery in Surface Finishing A Case Study

Author(s): KL Whitall

Annual Conference: 1991, Vol. 13

Paper ID: 91-41.2

High Efficiency Operation of Vapor Phase Activated Carbon Adsorbers

Author(s): JM Hoskins

Annual Conference: 1991, Vol. 13

Paper ID: 91-41.4

Pilot Plant Data from Brayton Cycle Heat Pump Solvent Recovery tests

Author(s): JL Kovach, JC Enneking, GL Bowlin

Annual Conference: 1991, Vol. 13

Paper ID: 91-41.5

A Membrane Process for the Recovery of Volatile Organic Compounds from Process and Vent Streams

Author(s): JG Wijmans, J Kaschemekat, RW Baker

Annual Conference: 1991, Vol. 13

Paper ID: 91-41.7

National Energy Benefits from Recovery and Recycling of Volatile Organic Compounds and the Evaluation of Control Options

Author(s): P Scheihing, VS Engleman Annual Conference: 1991, Vol. 13

Paper ID: 91-41.8

Impediments and Solution to Waste and Emission Reduction Data Collection: A Case Study

Author(s): D Gaboardi, RC Pickert Annual Conference: 1991, Vol. 13

Paper ID: 91-42.1

Industrial Hazardous Waste Minimization Incentives and Impediments: An Industry Case Study of Metal Platers and Metal Finishers

Author(s): LD Duke

Annual Conference: 1991, Vol. 13

Paper ID: 91-42.2

Five Years of Experience in Waste Handling in Printing Ink Manufacturing The Transition From Waste Minimization to Pollution Prevention

Author(s): HR Balikov, RH Messing Annual Conference: 1991, Vol. 13

Paper ID: 91-42.3

Multimedia Pollution Prevention: A Cement/Construction Materials Company Perspective

Author(s): DW Carroll

Annual Conference: 1991, Vol. 13

Paper ID: 91-43.1

Integrated Environmental Management: A Case Study of Pollution Prevention at a Refinery

Author(s): M Podar, H Klee, R Kerr Annual Conference: 1991, Vol. 13

Paper ID: 91-43.2

Waste Recycling System of the Product Life Cycle Cost Theory

Author(s): EYH Chien

Annual Conference: 1991, Vol. 13

Paper ID: 91-43.4

AN Integrated Approach to Process Waste Minimization Research

Author(s): V Cohen, DT Allen Annual Conference: 1991, Vol. 13

Paper ID: 91-43.5

An Integrated Waste Management Plant in Italy

Author(s): PH Dhargalkar

Annual Conference: 1991, Vol. 13

Paper ID: 91-43.6

Controlling Particulate Emissions

Author(s): TLC de Souza, JT Wearing Annual Conference: 1991, Vol. 9A

Paper ID: 91-45.1

Risk Management Methodology for Effective Pollution Prevention

Author(s): J Rice, G Hester Annual Conference: 1991, Vol. 13

Paper ID: 91-45.11

Pollution Prevention: Research Strategies for a Lean Budget

Author(s): I Licis

Annual Conference: 1991, Vol. 13

Paper ID: 91-45.2

Hazardous Waste Reduction Through Process Change at OxyChem's Pasadena, Texas Plant

Author(s): JW Kachtick

Annual Conference: 1991, Vol. 13

Paper ID: 91-45.3

The Use of Production Data in Evaluating Waste Reduction and Economic Return in a Large Vehicle Painting Shop

Author(s): RC Pickert, D Gaboardi Annual Conference: 1991, Vol. 13

Paper ID: 91-45.4

CFC Emissions Reduction--The Health Care Industry Experience

Author(s): RM Currie

Annual Conference: 1991, Vol. 13

Paper ID: 91-45.6

Degreasing System Pollution Prevention Evaluation

Author(s): CH Darvin, JD Wander Annual Conference: 1991, Vol. 13

Paper ID: 91-45.8

Practical Experiences with Industrial Multi Media Waste Prevention

Author(s): R van Berkel

Annual Conference: 1991, Vol. 13

Paper ID: 91-46.1

Multimedia Waste Prevention and Reduction Through Quality Policy Deployment

Author(s): DR Chittick, BF Dambach Annual Conference: 1991, Vol. 13

Paper ID: 91-46.11

Redirection of Corporate Prevention Program to Reflect Public Policy

Author(s): DB Redington

Annual Conference: 1991, Vol. 13

Paper ID: 91-46.4

Industrial Waste Reduction: Commitment, Cooperation, Implementation

Author(s): JE Foley, PJ Sesing Annual Conference: 1991, Vol. 13

Paper ID: 91-46.5

Source Waste Elimination Environmental Program

Author(s): PX Masciantonio Annual Conference: 1991, Vol. 13

Paper ID: 91-46.6

Cost and Resource Limitations in Waste Reduction "A Matter of Perspective"

Author(s): WB Beck

Annual Conference: 1991, Vol. 13

Paper ID: 91-46.7

Hazardous Waste Reduction from Industry National Wildlife Federation Corporate Conservation Council Policy Statement

Author(s): RP Bringer, DM Benforado Annual Conference: 1991, Vol. 13

Paper ID: 91-46.8

The Effects of Horizontal Pressure Gradients and Terrains in the Transport of Pollution in the Grand Canyon Region

Author(s): JE Gaynor

Annual Conference: 1991, Vol. 2

Paper ID: 91-47.1

Doppler Lidar Observations of Air Flow in the Grand Canyon

Author(s): RM Banta

Annual Conference: 1991, Vol. 2

Paper ID: 91-47.11

A Synopsis of the Navajo Generating Station Visibility Study Field Program

Author(s): M Chan

Annual Conference: 1991, Vol. 2

Paper ID: 91-47.13

Air Quality Samplers for the Navajo Generating Station Visibility Study

Author(s): DR Fitz

Annual Conference: 1991, Vol. 2

Paper ID: 91-47.15

Deterministic Modeling for the Navajo Generating Station Visibility Impairment Study

Author(s): HA Gray

Annual Conference: 1991, Vol. 2

Paper ID: 91-47.16

Air Mass Stability Associated with Winter Haziness at Grand Canyon National Park

Author(s): JL Sutherland

Annual Conference: 1991, Vol. 2

Paper ID: 91-47.3

Wintertime Surface Energy Budget in the Grand Canyon Region

Author(s): D Ruffieux

Annual Conference: 1991, Vol. 2

Paper ID: 91-47.4

Analysis of Best Available Retrofit Technology for the Navajo Generating Station

Author(s): WE Balson

Annual Conference: 1991, Vol. 2

Paper ID: 91-47.5

External Quality Assurance for the Navajo Generating Station Visibility Impairment Contribution Study

Author(s): SL Heisler

Annual Conference: 1991, Vol. 2

Paper ID: 91-47.6

Meteorological Processes Affecting Transport of Emissions from the Navajo Generating Station

Author(s): CG Lindsey, TS Dye, EM Prins

Annual Conference: 1991, Vol. 2

Paper ID: 91-47.8

Surface Meteorological Conditions During the Winter 1990 Navajo Generating Station Visibility Impairment Study

Author(s): RK Hauser

Annual Conference: 1991, Vol. 2

Paper ID: 91-47.9

Visibility in Texas Cities Measured By Color Photodensitmetry

Author(s): KM McGregor Annual Conference: 1991, Vol. 1

Paper ID: 91-48.1

The Establishment of the Denver Visibility Standard

Author(s): DW Ely

Annual Conference: 1991, Vol. 1

Paper ID: 91-48.4

Urban Visibility in Texas: East Meets West

Author(s): SL Dattner

Annual Conference: 1991, Vol. 1

Paper ID: 91-48.6

Denver Air Quality Modeling Study

Author(s): P Middleton

Annual Conference: 1991, Vol. 1

Paper ID: 91-48.7

On the Relationship Between Visibility and PM 10 Air Quality in California's South Coast Air Basin

Author(s): R Lewis

Annual Conference: 1991, Vol. 1

Paper ID: 91-48.9

Annual and Seasonal Fine Particle Composition in the Northeast: Second Year Results from the NESCAUM Monitoring Network

Author(s): RL Poirot

Annual Conference: 1991, Vol. 1

Paper ID: 91-49.1

Characteristics of Haze in Shenandoah National Park

Author(s): WC Malm

Annual Conference: 1991, Vol. 1

Paper ID: 91-49.2

Nephelometer Estimation of Light Scattering Due to Aerosol Particle Liquid Water Content

Author(s): CF Rogers

Annual Conference: 1991, Vol. 1

Paper ID: 91-49.3

Variations in Sulfate Levels in the Eastern United States as Predicted by RADM

Author(s): P Middleton

Annual Conference: 1991, Vol. 1

Paper ID: 91-49.4

Results from the Eastern Fine Particle and Visibility Monitoring Network

Author(s): R Tropp

Annual Conference: 1991, Vol. 1

Paper ID: 91-49.5

Federal Visibility Monitoring in the Eastern United States

Author(s): E Gardner Evans Annual Conference: 1991, Vol. 1

Paper ID: 91-49.6

Geosynthetics Help Prevent Ground Water Contamination

Author(s): M Cadwallader

Annual Conference: 1991, Vol. 10A

Paper ID: 91-5.1

Regional Landfills: Meeting Tomorrow's Needs

Author(s): LJ Butler

Annual Conference: 1991, Vol. 10A

Paper ID: 91-5.4

Optimal Solid Waste Landfill Service Areas in the US Midwest

Author(s): SP Reuter

Annual Conference: 1991, Vol. 10A

Paper ID: 91-5.5

A Technologie's Views on Municipal Solid Waste Landfill Risks

Author(s): MJ Haire

Annual Conference: 1991, Vol. 10A

Paper ID: 91-5.6

Comparison of Illinois' Nonhazardous Landfill Regulations with USEPA's Proposed Subtitle D Regulations

Author(s): H G Rao

Annual Conference: 1991, Vol. 10A

Paper ID: 91-5.7

Alternative Barrier Technology for Landfill Liner and Cover Systems

Author(s): WE Grube, DE Daniel Annual Conference: 1991, Vol. 10A

Paper ID: 91-5.9

Issues to be Considered in the Formation of Regional Haze Transport Commissions in the Western United States

Author(s): JT Leary

Annual Conference: 1991, Vol. 1

Paper ID: 91-50.1

Implementing the Visibility Research Program of Section 169B of the Clean Air Act: The Electric Utility Perspective

Author(s): RJ Farber

Annual Conference: 1991, Vol. 1

Paper ID: 91-50.2

Federal Regional Haze Protection for Class 1 Areas: A Proposed Strategy

Author(s): M Pitchford

Annual Conference: 1991, Vol. 1

Paper ID: 91-50.3

An Approach for Evaluating and Implementing the Clean Air Corridor and Visibility Transport Region Concepts

Author(s): P Saxena

Annual Conference: 1991, Vol. 1

Paper ID: 91-50.4

An Expanding Grid Photochemical Model for Visibility Applications

Author(s): MD Williams

Annual Conference: 1991, Vol. 1

Paper ID: 91-51.1

Soring the SCENES Data Base Using a Meteorological Classification Scheme

Author(s): RJ Farber

Annual Conference: 1991, Vol. 1

Paper ID: 91-51.11

Human Visual Sensitivity to Modeled Jet Aircraft Plumes

Author(s): DM Ross

Annual Conference: 1991, Vol. 1

Paper ID: 91-51.2

Thresholds of Perception for Visibility Changes

Author(s): WE Balson

Annual Conference: 1991, Vol. 1

Paper ID: 91-51.3

The Grand Canyon Visibility Benefits Study

Author(s): WE Balson

Annual Conference: 1991, Vol. 1

Paper ID: 91-51.4

Comparison of Color Perception of Photographs and the Natural Scene

Author(s): RC Henry

Annual Conference: 1991, Vol. 1

Paper ID: 91-51.7

Hydroscopic Characteristics of Deliquescent Aerosol Particles that are Internally Mixed with Hydrophobic Organic

Author(s): MJ Rood

Annual Conference: 1991, Vol. 1

Paper ID: 91-51-8

Source Apportionment of PM2.5 in Phoenix, Arizona

Author(s): JC Chow

Annual Conference: 1991, Vol. 2

Paper ID: 91-52.1

Results of an Air Quality Impact Analysis for the Black Mesa-Kayenta Surface Coal Mine

Author(s): DR Maxwell

Annual Conference: 1991, Vol. 2

Paper ID: 91-52.13

Sensitivity Analysis of Tracer Mass Balance Regression

Author(s): JB Whitemore

Annual Conference: 1991, Vol. 2

Paper ID: 91-52.2

Receptor and Dispersion Modeling of Aluminum Smelter Contributions to Elevated PM10 Concentrations

Author(s): RG Ireson

Annual Conference: 1991, Vol. 2

Paper ID: 91-52.4

Santa Barbara PM-10 Emission Reduction Study

Author(s): RJ Countless

Annual Conference: 1991, Vol. 2

Paper ID: 91-52.5

Apportionment of Sulfur Oxides at Canyonlands During the Winter of 1990 Based on SAS Particles and Fluoride as Endemic Tracers of Coal-Fired power Plant Emissions

Author(s): DJ Eatough

Annual Conference: 1991, Vol. 2

Paper ID: 91-52.6

Characterization and Apportionment of Particles Using CCEM and Microimaging Techniques

Author(s): BC Henderson

Annual Conference: 1991, Vol. 2

Paper ID: 91-52.8

Determination of Aerosol Strong Acidity Losses Due to Interactions of Collected Particles: Results from Laboratory and Field Studies

Author(s): P Koutrakis

Annual Conference: 1991, Vol. 1

Paper ID: 91-53.1

Evaluation of Annular Denuders to Collect Gas-Phase Organic Acids

Author(s): JE Lawrence

Annual Conference: 1991, Vol. 1

Paper ID: 91-53.2

Evaluation of Denuders During Routine Particulate Sampling of Ambient Air in the Rural Southwest

Author(s): DR Fitz

Annual Conference: 1991, Vol. 1

Paper ID: 91-53.3

Diffusion Denuder Samplers for the Determination of Total Fine-Particulate Organic Materials in the Atmosphere

Author(s): EA Lewis

Annual Conference: 1991, Vol. 1

Paper ID: 91-53.4

A Comparison of Meteorological Measurements from Street Canyon and Relatively Open Sites in Manhattan, New York

 $\hbox{Author(s): L Gendron}$

Annual Conference: 1991, Vol. 1

Paper ID: 91-54.1

Case Studies of Wind Profiler Performance Auditing Procedures

Author(s): L Militana

Annual Conference: 1991, Vol. 1

Paper ID: 91-54.11

Selecting Meteorological Variables as Input for Statistical Carbon Monoxide Forecast Models

Author(s): CM King

Annual Conference: 1991, Vol. 1

Paper ID: 91-54.2

Validating Wind-Related Statistical Parameters Generated by Commercial Data Loggers

Author(s): DH Bush

Annual Conference: 1991, Vol. 1

Paper ID: 91-54.3

Case Studies of Meteorological Data Resolution Impacts on Dispersion Modeling On-Site PSD Data vs. Nearby NWS Data

Author(s): SC Mauch

Annual Conference: 1991, Vol. 1

Paper ID: 91-54.5

Comparison of Alternative Measurements and Data Processing Techniques to Characterize Atmospheric Stability for Regulatory Modeling Application

Author(s): D Holland

Annual Conference: 1991, Vol. 1

Paper ID: 91-54.6

A Thumbnail Sketch of Meteorological QA Practices

Author(s): TJ Lockhart

Annual Conference: 1991, Vol. 1

Paper ID: 91-54.9

Remote Sensing of Toxic Air Pollutants at a High Risk Point Source Using Open-Path Fourier Transform Infrared Spectroscopy: A Case Study

Author(s): JL Hudson

Annual Conference: 1991, Vol. 2

Paper ID: 91-57.1

Perimeter Monitoring at Lipari Using Open-Path FTIR Spectroscopy An Overview of Lessons Learned

Author(s): RJ Kricks

Annual Conference: 1991, Vol. 2

Paper ID: 91-57.11

Remote Sensing of Fugitive Emissions Using the Backscatter/Absorption Gas Imaging Technique

Author(s): TG McRae

Annual Conference: 1991, Vol. 2

Paper ID: 91-57.3

Air Pathway Monitoring for a Land Ban No-Migratios Petition

Author(s): MJ Lupo

Annual Conference: 1991, Vol. 2

Paper ID: 91-57.4

Measurement of Methane emissions in the Plume of a Large Surface Coal Mine Using Open-Path FTIR Spectroscopy

Author(s): SD Piccot

Annual Conference: 1991, Vol. 2

Paper ID: 91-57.6

New Developments in the FTIR Remote Sensor

Author(s): RH Kagann

Annual Conference: 1991, Vol. 2

Paper ID: 91-57.7

Using of a New Generation Boundary Layer Profiler to Investigate Meteorological Processes in Complex Terrain

Author(s): CG Lindsey

Annual Conference: 1991, Vol. 2

Paper ID: 91-57.8

Stability of PPB and PPM Organic Cylinder Gases Used for Calibration and Audits

Author(s): RKM Jananty

Annual Conference: 1991, Vol. 2

Paper ID: 91-58.2

Recent Advances in Analytical Procedures for Source Hazardous Air Pollutants

Author(s): HS Karam

Annual Conference: 1991, Vol. 2

Paper ID: 91-58.3

Measuring Title 111 CAA Hazardous Air Pollutants Using EPA Method 18: Advantages, Disadvantages and Pertinent Experience

Author(s): SJ Eckard

Annual Conference: 1991, Vol. 2

Paper ID: 91-58.4

Protocol for the Field Validation of Stationary Source Emission Measurements

Author(s): JE Knoll

Annual Conference: 1991, Vol. 2

Paper ID: 91-58.5

Development and Implementation of a Long-Term Source Emission Study for Volatile Organic Compounds from Multiple Sources

Author(s): RS Berry

Annual Conference: 1991, Vol. 2

Paper ID: 91-58.6

Measuring CAA Amendment Hazardous Air Pollutants with Fourier Transform Infrared Techniques

Author(s): GM Plummer

Annual Conference: 1991, Vol. 2

Paper ID: 91-58.7

Ranin Scavenging of Semi-Volatile Organics

Author(s): W Tsari

Annual Conference: 1991, Vol. 1

Paper ID: 91-59.1

Network Operations and Preliminary Monitoring Results for the receptor Modeling of Acidic Air Pollutants to Forested Regions of the Sierra Nevada Study

Author(s): RF Harrington
Annual Conference: 1991, Vol. 1

Paper ID: 91-59.2

Air Quality and Acid Deposition in the Southeastern Sierra Nevada

Author(s): DF Miller

Annual Conference: 1991, Vol. 1

Paper ID: 91-59.3

1989 Data from National Dry Deposition Network

Author(s): TF Lavery

Annual Conference: 1991, Vol. 1

Paper ID: 91-59.6

Development of Particulate Scavenging Coefficients to Model Wet Deposition from Industrial Combustion Sources

Author(s): M Jindal, D. Heinold Annual Conference: 1991, Vol. 1

Paper ID: 91-59.7

The Role of Non-Precipitating Stratus Clouds in Sulfate Formation

Author(s): PK Karamchandani Annual Conference: 1991, Vol. 1

Paper ID: 91-59.8

Fugitive Gas Emissions from a Municipal Landfill with Active and Passive Gas Collection

Author(s): JL Hall, D Kalman, TV Larson Annual Conference: 1991, Vol. 10A

Paper ID: 91-6.11

EPA'S Global Climate Change Program Global landfill Methane

Author(s): SA Thorneloe, RL Peer Annual Conference: 1991, Vol. 10A

Paper ID: 91-6.12

The California Landfill Gas Testing Program: Summary and Evaluation of Results and a Suggested Control Measure

Author(s): CW Emerson, LW Baker Annual Conference: 1991, Vol. 10A

Paper ID: 91-6.13

Remediation of Houses Affected by Landfill Gas Entry

Author(s): DW Fugler, M Adomait Annual Conference: 1991, Vol. 10A

Paper ID: 91-6.2

Measurement of Toxic Organic Compounds in Landfill Gas Using a Modified EPA Method TO-14

Author(s): SD Hoyt, VL Longacre Annual Conference: 1991, Vol. 10A

Paper ID: 91-6.3

Design of a Landfill Gas Migration Control System

 $\hbox{Author(s): TA $Kraemer, SA $Cordery-Cotter}\\$

Annual Conference: 1991, Vol. 10A

Paper ID: 91-6.4

Chemical Composition, Physical Properties and Off-Site Migration of Municipal Landfill Gas

Author(s): MA Distler, L Zamojski Annual Conference: 1991, Vol. 10A

Paper ID: 91-6.5

Projection of Methane Production in Landfills by Solids Decomposition Analysis

Author(s): ST Roudebush

Annual Conference: 1991, Vol. 10A

Paper ID: 91-6.6

MSW Landfill Expansion: Air Toxics Emissions and Health

Author(s): RJ Califano, MJ Barboza Annual Conference: 1991, Vol. 10A

Paper ID: 91-6.8

Air Quality Modeling of Landfill Gas Emissions

Author(s): ME Hess, PG Diosey, JW Wilson

Annual Conference: 1991, Vol. 10A

Paper ID: 91-6.9

Modeling the Fate of Atmospheric Dry Deposition in Sierra Nevadan Soils

Author(s): RF Harrington Annual Conference: 1991, Vol. 2

Paper ID: 91-60.1

Development of a Strategy to Estimate Atmospheric Deposition of Semivolatile Organic Contaminants to the Chesapeake Bay

Author(s): JE Baker

Annual Conference: 1991, Vol. 2

Paper ID: 91-60.2

Deposition of Toxics Across the U.S.-Canadian Border: A Case Study

Author(s): BS Carhart

Annual Conference: 1991, Vol. 2

Paper ID: 91-60.3

Estimate of the Atmospheric Deposition of Contaminants on Commencement Bay, Washington

Author(s): EA Crecelius Annual Conference: 1991, Vol. 2

Paper ID: 91-60.4

Receptor Modeling of Fine Particles in the Tacoma Tideflats Airshed

Author(s): TL Conner

Annual Conference: 1991, Vol. 2

Paper ID: 91-60.5

Wilderness and Air Resource Management: A U.S. Forest Service Perspective

Author(s): AS Fege, J Peterson, JG Byrne Annual Conference: 1991, Vol. 15A

Paper ID: 91-61.2

The Forest Service Wilderness Aquatic Ecosystem: The Current Condition and the Effect of Air Pollution

Author(s): DU Potter, DS Nichols, DV Haddow, AF

Galbraith, PJ Garrison

Annual Conference: 1991, Vol. 15A

Paper ID: 91-61.3

Measurements in Wilderness for Air Resource Management

Author(s): Ir Smith, WE Marlatt, RA Sommerfeld

Annual Conference: 1991, Vol. 15A

Paper ID: 91-61.6

Determination of a Routes of Exposure of Infants and Toddlers to household Pesticides: A Pilot Study to Test Methods

Author(s): RG Lewis

Annual Conference: 1991, Vol. 3

Paper ID: 91-62.1

Indoor-Outdoor Ozone Measurements: 1988-1991

Author(s): CJ Weschler

Annual Conference: 1991, Vol. 3

Paper ID: 91-62.11

Verification and Uses of the

Author(s): LE Sparks

Annual Conference: 1991, Vol. 3

Paper ID: 91-62.12

The Impact of Ventilation on Indoor Air Quality: Environmental Tobacco Smoke as a Point Source

Author(s): LC Holcomb

Annual Conference: 1991, Vol. 3

Paper ID: 91-62.13

Toluene and (p, m&o) Xylene Emissions from Finish Coatings Applied to Wood Materials

Author(s): T Godish

Annual Conference: 1991, Vol. 3

Paper ID: 91-62.2

Bake-Out of a Portion of a New High Rise Office Building

Author(s): AB Lindstrom Annual Conference: 1991, Vol. 3

Paper ID: 91-62.3

Identification of Polar Volatile Organic Compounds in Consumer Products and Common Microenvironments

Author(s): LA Wallace

Annual Conference: 1991, Vol. 3

Paper ID: 91-62.4

Removal of Gaseous Organic Contaminants from Indoor Air with Activated Carbon Fibers

Author(s): RG Fuerman

Annual Conference: 1991, Vol. 3

Paper ID: 91-62.5

Ventilation and Moisture in New Energy-Efficient Manufactured Housing

Author(s): NL Nagda

Annual Conference: 1991, Vol. 3

Paper ID: 91-62.6

Ventilation and Moisture in New Energy-Efficient Manufactured Housing

Author(s): DL Hadley, SA Bailey, GB Parker

Annual Conference: 1991, Vol. 3

Paper ID: 91-62.8

Fungal Volatiles of Potential Relevance to Indoor Air Quality

Author(s): S Batterman

Annual Conference: 1991, Vol. 3

Paper ID: 91-62-9

Air Leakage Distribution Characteristics for Two Residential Concrete Foundations

Author(s): DA Figley

Annual Conference: 1991, Vol. 3

Paper ID: 91-63.1

The Effects of Air Cleaners on the Indoor Radon Hazard

Author(s): CS Li

Annual Conference: 1991, Vol. 3

Paper ID: 91-63.2

Sources and Mitigation of Indoor Thoron

Author(s): SD Schery

Annual Conference: 1991, Vol. 3

Paper ID: 91-63.3

Controlling Radon While Increasing Comfort, Energy Efficiency and Indoor Air Quality in New Residential Construction

Author(s): RM Nuess

Annual Conference: 1991, Vol. 3

Paper ID: 91-63.4

Some Aspects of Permeability as it Affects Indoor Radon

Author(s): CO Kunz

Annual Conference: 1991, Vol. 3

Paper ID: 91-63.5

Mitigating Radon in Two Four-Story Dormitories

Author(s): DB Harris

Annual Conference: 1991, Vol. 3

Paper ID: 91-63.7

A GIS Case Study of Measured Concentrations of Radon

Author(s): MA Grelinger

Annual Conference: 1991, Vol. 3

Paper ID: 91-63.8

Congeneration: An Indirect Mans to Reduce Emissions from the Residential/Commercial Sector

Author(s): M Wiggin

Annual Conference: 1991, Vol. 3

Paper ID: 91-64.1

Retrofitting Residential Heating Systems to Improve Efficiency and Reduce Emissions

Author(s): ACS Hayden

Annual Conference: 1991, Vol. 3

Paper ID: 91-64.2

Comparability Between Various Field and Laboratory Woodstove Emission Measurement Methods

Author(s): RC McCrillis

Annual Conference: 1991, Vol. 3

Paper ID: 91-64.6

Parametric Study of Fireplace Particulate Matter and Carbon Monoxide Emissions

Author(s): CH Stern

Annual Conference: 1991, Vol. 3

Paper ID: 91-64.7

Performance Testing of Residential Chimneys and Forced Air Heating Systems

Author(s): DW Fugler

Annual Conference: 1991, Vol. 3

Paper ID: 91-64.8

Rural Ozone in the Southwestern United States Seasonal Behavior, Trends and Sources

Author(s): C Pilinis

Annual Conference: 1991, Vol. 5

Paper ID: 91-66.1

Photochemical Modeling of Emissions from an Expansion at a Major VOC Facility

Author(s): MS Hunt

Annual Conference: 1991, Vol. 5

Paper ID: 91-66.11

Ozone-Precursor Relationships in the Rural Southeastern U.S.

Author(s): JF Meagher

Annual Conference: 1991, Vol. 5

Paper ID: 91-66.12

Regional Ozone Modeling for Northeast Transport-Projection Year and Control Strategy Anthropogenic Emissions Inventories

Author(s): W Battye

Annual Conference: 1991, Vol. 5

Paper ID: 91-66.13

Model Performance for Three Ozone Meteorological Episodes in the South Coast Air Basin

Author(s): T Chico

Annual Conference: 1991, Vol. 5

Paper ID: 91-66.14

Analysis of Southern California Air Quality Study (SCAQS) NMOC Data: Spatial and Temporal Issues

Author(s): H Main

Annual Conference: 1991, Vol. 5

Paper ID: 91-66.15

A Comparison of Advection Schemes in Existing Photochemical Grid Models

Author(s): KT Tran

Annual Conference: 1991, Vol. 5

Paper ID: 91-66.2

Trends, Seasonal Variations and Analysis of High Elevation Surface Ozone, Hydrogen Peroxide and Nitric Acid

Author(s): VP Aneja

Annual Conference: 1991, Vol. 5

Paper ID: 91-66.4

Receptor Model Allocation of Ozone-forming Potential to NMOC Sources in Northeast Illinois

Author(s): RA Wadden

Annual Conference: 1991, Vol. 5

Paper ID: 91-66.5

Identification of Ozone Trends Masked By Effects of Weather and Seasonal Variations-A Houston Case Study

Author(s): TW Sager

Annual Conference: 1991, Vol. 5

Paper ID: 91-66.6

Use of an Atmospheric Trajectory model to Explore the Source Regions Affecting Ozone Concentrations at Five Eastern U.S. National Parks

Author(s): RE Dattore

Annual Conference: 1991, Vol. 5

Paper ID: 91-66.7

Development of a Nested-Grid Urban Airshed Models and Application to Southern California

Author(s): RE Morris

Annual Conference: 1991, Vol. 5

Paper ID: 91-66.8

California Air Resources Board's Photochemical Modeling Guidelines

Author(s): J DeMassa

Annual Conference: 1991, Vol. 5

Paper ID: 91-66.9

Pollutants Measured in Forest Fires and Agricultural Burn Plumes and Their Potential Influence of Exceedances of the Ozone Standard

Author(s): PT Roberts

Annual Conference: 1991, Vol. 5

Paper ID: 91-67.11

Preliminary Ozone Modeling for Eastern New England Produced from the ROM-UAM Interface

Author(s): EL Carr

Annual Conference: 1991, Vol. 5

Paper ID: 91-67.2

Performance Evaluation of an Improved Urban Airshed Model

Author(s): KT Tran

Annual Conference: 1991, Vol. 5

Paper ID: 91-67.3

Reconciling Differences Between Ambient and Emission Inventory Derived NMOC/NOx Ratios: Implication for Emission Inventories

Author(s): K Baugues

Annual Conference: 1991, Vol. 5

Paper ID: 91-67.5

Meteorological Aspects of Ozone in the Tampa, Florida Region

Author(s): T Sletten

Annual Conference: 1991, Vol. 5

Paper ID: 91-67.6

Wind Field Development for the EPA Regional Oxidant Model

Author(s): CJ Coats

Annual Conference: 1991, Vol. 5

Paper ID: 91-67.7

The Mesometerology of Ozone Episodes in the lower Lake Michigan Air Quality Region

Author(s): WA Lyons

Annual Conference: 1991, Vol. 5

Paper ID: 91-67.8

Classification of Los Angeles Basin Ozone Episodes on the Basis of Meteorological Conditions

Author(s): AB Hudischewskyj Annual Conference: 1991, Vol. 5

Paper ID: 91-67.9

Chemical Mass Balance Analysis of Hydrocarbons Measured in the Atlanta Ozone Precursor

Author(s): TG Dzubay

Annual Conference: 1991, Vol. 5

Paper ID: 91-68.1

Monitoring Site Selection Analysis for the Atlanta Ozone Precursor Study

Author(s): DA Sullivan

Annual Conference: 1991, Vol. 5

Paper ID: 91-68.11

Statistical Modeling of Spatial and Temporal Variations for the Atlanta Ozone Precursor Study

Author(s): BE Buxton

Annual Conference: 1991, Vol. 5

Paper ID: 91-68.12

Continuous Monitoring of Formaldehyde During the Atlanta Ozone Precursor Study

Author(s): CR Fortune

Annual Conference: 1991, Vol. 5

Paper ID: 91-68.13

Results from the Canister Sampling Program Conducted During the 1990 Atlanta Precursor Study

Author(s): WA Lonneman Annual Conference: 1991, Vol. 5

Paper ID: 91-68.14

Comparison of VOC Determinations By Solid Adsorbent Preconcentration GC-FID to Cryogenic Preconcentration GC-FID

Author(s): RL Seila

Annual Conference: 1991, Vol. 5

Paper ID: 91-68.3

Exploratory Chromatographic Data Processing

Author(s): TJ Th Bloemen Annual Conference: 1991, Vol. 5

Paper ID: 91-68.4

The Emergence of Automated Gas Chromatographs as Air Quality Network Monitors for Volatile Organic Compounds

Author(s): WA McClenny Annual Conference: 1991, Vol. 5

Paper ID: 91-68.5

Instrumentation and Operational Aspects of Atlanta Field Study-Performance of Automated Gas Chromatographs

Author(s): MW Holdren

Annual Conference: 1991, Vol. 5

Paper ID: 91-68.6

Summer 1990 Atlanta Ozone Precursor Study

Author(s): LJ Purdue

Annual Conference: 1991, Vol. 5

Paper ID: 91-68.8

Air Quality Monitoring in Atlanta with the Differential **Optical Absorption Spectrometer**

Author(s): TL Conner

Annual Conference: 1991, Vol. 5

Paper ID: 91-68.9

The Middle Tennessee Ozone Study-The First Three Years

Author(s): WJ Parkhurst

Annual Conference: 1991, Vol. 5

Paper ID: 91-69.1

S-The Second Sacramento Severe Summer Smog Study

Author(s): RG Ireson

Annual Conference: 1991, Vol. 5

Paper ID: 91-69.2

Lake Michigan Ozone Study 1991 Field Program

Author(s): N Bowne

Annual Conference: 1991, Vol. 5

Paper ID: 91-69.5

Evaluation of Hexavalent Chromium Migration for Ground Water Remediation

Author(s): M Mehran

Annual Conference: 1991, Vol. 10A

Paper ID: 91-7.2

Use of the Hydropunch Groundwater Sampler in the Delineation of a contaminant Plume for Recovery and Remediation

Author(s): J Toppr, PB King, SM Crane, DM Donovan

Annual Conference: 1991, Vol. 10A

Paper ID: 91-7.3

In Situ Biological Remediation of Petroleum Hydrocarbons in Unsaturated Soils

Author(s): M Chichgar, D Dineen Annual Conference: 1991, Vol. 10A

Paper ID: 91-7.4

Investigation of Ground Water Contamination Along the Downgradient Boundary, Wright-Patterson Air Force Base, Ohio

Author(s): KS Ehret

Annual Conference: 1991, Vol. 10A

Paper ID: 91-7.5

Hydrogeological Investigation to Identify Optimal Method to Remediate Plant Water Supply

Author(s): JS Cattafe, CA Ranney Annual Conference: 1991, Vol. 10A

Paper ID: 91-7.7

Conceptual Formulation of the SARMAP Emissions Modeling System

Author(s): RJ Dickson

Annual Conference: 1991, Vol. 4

Paper ID: 91-70.1

Planning SJV/AUSPEX Grid-Based Air Quality Simulation Modeling: Scope, Approach, Design

Author(s): PM Roth

Annual Conference: 1991, Vol. 4

Paper ID: 91-70.2

San Joaquin Valley Air Quality Study Planning Studies

Author(s): KL Magliano

Annual Conference: 1991, Vol. 4

Paper ID: 91-70.4

San Joaquin Valley Story (SJVAQS) and Atmospheric Utility Signatures, Predictions and Experiments (AUSPEX): A Collaborative Modeling Program

Author(s): AJ Ranzieri

Annual Conference: 1991, Vol. 4

Paper ID: 91-70.5

SJVAQS/AUSPEX Collaborative Field Study Plan

Author(s): DL Blumenthal

Annual Conference: 1991, Vol. 4

Paper ID: 91-70.6

Data Base Management Strategies for Large Field Studies

Author(s): GR Ackerman

Annual Conference: 1991, Vol. 4

Paper ID: 91-71.1

External Quality Assurance for the SJVAQS/AUSPEX Study

Author(s): AW Gertler

Annual Conference: 1991, Vol. 4

Paper ID: 91-71.2

Planning and Managing a Field Operations Center for the Collaborative SJVAQS and AUSPEX Field Study

Author(s): GE Start

Annual Conference: 1991, Vol. 4

Paper ID: 91-71.3

A Description of Ozone Concentrations During an Air Pollution Event in California's San Joaquin Valley Based on Preliminary Data from the San Joaquin Valley Air Quality Study/Atmospheric Utility Signatures, Predictions and Experiments

Author(s): DL McNerny

Annual Conference: 1991, Vol. 4

Paper ID: 91-71.4

Recommendations on Planning a Large Scale Combined Monitoring and Modeling Effort Based on the Experience of the EJV/AUSPEX Air Quality Study: A Panel Discussion

Author(s): PM Roth

Annual Conference: 1991, Vol. 4

Paper ID: 91-71.6

An Overview of the San Joaquin Valley Meteorological Input Study

Author(s): RC Kessler

Annual Conference: 1991, Vol. 4

Paper ID: 91-72.1

Analysis of San Joaquin Valley Air Quality and Meteorology

Author(s): PT Roberts

Annual Conference: 1991, Vol. 4

Paper ID: 91-72.11

Dry Deposition Study Planning for SJVAQS/AUSPEX

Author(s): JM Hubbe

Annual Conference: 1991, Vol. 4

Paper ID: 91-72.12

Experience Gained in California Air Quality Aircraft Measurements

Author(s): JL Gordon

Annual Conference: 1991, Vol. 4

Paper ID: 91-72.13

Source Apportionment of PM10 Aerosols Collected in the San Joaquin Valley-Planning for SJVAQS/AUSPEX

Author(s): JC Chow

Annual Conference: 1991, Vol. 4

Paper ID: 91-72.14

Development of the Supplemental Data Archive to Support the San Joaquin Valley Air Quality Study/Atmospheric Utility Signatures, Predictions and Experiments (SJVAOS/AUSPEX)

Author(s): RJ Hackney

Annual Conference: 1991, Vol. 4

Paper ID: 91-72.15

Spatial Distribution of NOx Emissions Under Limited Mixing Conditions in the San Joaquin Valley

Author(s): SD Ziman

Annual Conference: 1991, Vol. 4

Paper ID: 91-72.2

Mesoscale Simulation of Photochemical Air Quality in the San Joaquin Valley of California

Author(s): RE Morris, MA Yocke, TC Myers

Annual Conference: 1991, Vol. 4

Paper ID: 91-72.3

Evaluation and Development of Methods for the Measurement of Hydrocarbons and Carbonyl Compounds for the Collaborative SJVAQS/AUSPEX Program

Author(s): K Fung

Annual Conference: 1991, Vol. 4

Paper ID: 91-72.4

San Joaquin Valley Air Quality Study Technical Support Study Number 5-Emission Inventory Assessment

Author(s): KL Magliano

Annual Conference: 1991, Vol. 4

Paper ID: 91-72.5

Tradeoffs of Surface and Aloft Measurements for Planning the San Joaquin Valley Study

Author(s): K Pollard

Annual Conference: 1991, Vol. 4

Paper ID: 91-72.6

Measuring Boundary Conditions: Initial Strategies, Field Testing and Recommendations for San Joaquin Valley Air Quality Study (SJVAQS) and Atmospheric Utility Signatures, Predictions and Experiments (AUSPEX)

Author(s): JR Pederson

Annual Conference: 1991, Vol. 4

Paper ID: 91-72.7

A Procedure for Determining Representative Monitoring Sites for Photochemical Model Evaluation Studies

Author(s): FL Ludwig

Annual Conference: 1991, Vol. 4

Paper ID: 91-72.8

An Overview of the SJVAQS/AUSPEX Upper-Air Meteorological Data Measurement Network

Author(s): E Niccum

Annual Conference: 1991, Vol. 4

Paper ID: 91-72.9

Test Methods for the Determination of Volatile Organic Compounds in Consumer Products

Author(s): M Kosusko

Annual Conference: 1991, Vol. 6A

Paper ID: 91-73.1

Computer Information Management Systems for the Enforcement Air Quality Regulations

Author(s): JR Bean

Annual Conference: 1991, Vol. 6A

Paper ID: 91-73.2

Compliance Strategies for Small Industrial Sources

Author(s): C (Pang) Mueller Annual Conference: 1991, Vol. 6A

Paper ID: 91-73.3

The CUT-SMOG Program: A Case Study of Public Participation in Air Pollution Enforcement

Author(s): WA Arenstein

Annual Conference: 1991, Vol. 6A

Paper ID: 91-73.5

Compliance Reporting A Sound Approach to Compliance Auditing

Author(s): RD Christopher Annual Conference: 1991, Vol. 6A

Paper ID: 91-73.6

Compliance Inspection Team Approach to Comprehensive Investigation at Petroleum Refineries in the Los Angeles Air Basin

Author(s): JL Brown

Annual Conference: 1991, Vol. 6A

Paper ID: 91-73.7

Improved Compliance Data Management A Key Element in Calculating Excess Emissions and Determining Enforcement Strategies

Author(s): S Giorgi

Annual Conference: 1991, Vol. 6A

Paper ID: 91-73.8

Consequences of a More Statistically Robust Ozone Air Quality Standard

Author(s): TC Curran

Annual Conference: 1991, Vol. 5

Paper ID: 91-74.1

Use of an Exponential-Tail Model to Estimate Ozone Concentrations with an Infrequent Recurrence Rate in California

Author(s): LC Larsen

Annual Conference: 1991, Vol. 5

Paper ID: 91-74.2

The Form of the Ozone Standard in Relation to Vegetation and Health Effects

Author(s): VC Rueckles

Annual Conference: 1991, Vol. 5

Paper ID: 91-74.3

Estimation of Time to Attainment

Author(s): D Fairley

Annual Conference: 1991, Vol. 5

Paper ID: 91-74.4

Implications of Attaining and Maintaining an Extreme Value Ozone Air Quality Standard

Author(s): J Heuss

Annual Conference: 1991, Vol. 5

Paper ID: 91-74.5

Analysis of Annual Relative Differences Among Selected Ozone Air Quality Indicators

Author(s): T McCurdy

Annual Conference: 1991, Vol. 5

Paper ID: 91-74.6

Importance of NOx Control Suggested by NMOC-NOx-Ozone Data Analysis

Author(s): RA McAllister, TW Sager, JP Gise, MW Hemphill

Annual Conference: 1991, Vol. 5

Paper ID: 91-75.1

A Method of Assessing the Effects of Ozone Control Strategies on the Annual Distribution of Ozone Exposures

Author(s): F Lurmann, S Colome, H Hogo

Annual Conference: 1991, Vol. 5

Paper ID: 91-75.3

A Study of Polynuclear Aromatic Hydrocarbons in the Great Lakes Deposition Basin

Author(s): B Foster

Annual Conference: 1991, Vol. 6A

Paper ID: 91-76.1

Ontario Monitoring of Toxics Deposition to the Great Lakes

Author(s): W Reid

Annual Conference: 1991, Vol. 6A

Paper ID: 91-76.2

Measurement of Toxic Air Pollutants in Canadian Urban

Author(s): T Dann

Annual Conference: 1991, Vol. 6A

Paper ID: 91-76.3

Atmospheric Deposition of PCBs into Green Bay

Author(s): CAW Sweet

Annual Conference: 1991, Vol. 6A

Paper ID: 91-76.4

Wet Deposition of Organochlorine Pesticides in the Great Lakes

Author(s): CH Chan

Annual Conference: 1991, Vol. 6A

Paper ID: 91-76.5

Measurement of Polychlorinated Biphenyls, Dibenzo-pdioxins and Dibenzofurans in Air and Rainwater Near Knoxville, Tennessee

Author(s): WJ Parkhurst

Annual Conference: 1991, Vol. 6A

Paper ID: 91-76.6

Dioxins and Furans in Wet and Dry Deposition in Ontario

Author(s): HM Tashiro

Annual Conference: 1991, Vol. 6A

Paper ID: 91-76.7

Canadian Air Toxics Master Stations

Author(s): RM Hoff

Annual Conference: 1991, Vol. 6A

Paper ID: 91-76.9

A Fugacity Approach for Modeling the Transport of Airborne Organic Chemicals in an Air/Plant/Soil System

Author(s): LD Oliver, TE McKone Annual Conference: 1991, Vol. 6A, 15A

Paper ID: 91-77.2

Atmospheric Formaldehyde and the Potential for Plant Effects

Author(s): JR Barker, JM Lantis, DT Tingey Annual Conference: 1991, Vol. 6A, 15A

Paper ID: 91-77.3

Uptake and Distribution of Napthalene and Naphthol in Vegetable Plants Following Foliar and Root Exposure

Author(s): BH Marie

Annual Conference: 1991, Vol. 6A, 15A

Paper ID: 91-77.4

Statistical Character of Toxic Metal Concentrations in Soil Samples Contaminated By Atmospheric Deposition: Implications for Compliance

Author(s): JH Shinn, FJ Gouveia Annual Conference: 1991, Vol. 6A, 15A

Paper ID: 91-77.5

Effects of Stack Modifications on Ambient Formaldehyde Concentrations for a Coated Abrasive Manufacturing Facility

Author(s): MA Distler

Annual Conference: 1991, Vol. 6A

Paper ID: 91-78.11

Gaseous Toxics Monitoring in the San Francisco Bay Area: A Review and Assessment of Four Years of Data

Author(s): DA Levaggi

Annual Conference: 1991, Vol. 6A

Paper ID: 91-78.12

Analyzing the Relationship Between the Sampling Frequency and Uncertainty in Estimating an Annual Man Concentration for 1,3 Butadiene

Author(s): SJ Brisby

Annual Conference: 1991, Vol. 6A

Paper ID: 91-78.3

The Automated Concentration and Analysis of VOCs in Air by Gas Chromatography with Ion Trap Mass Spectrometric and Selective Detectors

Author(s): NA Kirshen

Annual Conference: 1991, Vol. 6A

Paper ID: 91-78.4

The Valdez Air Monitoring System (VAMS) Review of Continuous Monitoring Data for Volatile Organics, Criteria Pollutants and Meteorological Parameters

Author(s): KW Stopenhagen Annual Conference: 1991, Vol. 6A

Paper ID: 91-78.6

Results of an Ambient Air Toxics Monitoring Program at the Los Alamo National Laboratory

Author(s): CH Williams

Annual Conference: 1991, Vol. 6A

Paper ID: 91-78.7

The Representativeness of Short-Term Air Quality Studies

Author(s): WD Neff

Annual Conference: 1991, Vol. 6A

Paper ID: 91-78.8

Practical Factors Affecting the QA/QC of TO-5/CARB 430 Measurements

Author(s): RR Freeman

Annual Conference: 1991, Vol. 6A

Paper ID: 91-78.9

Techniques for Measuring Hydrogen Fluoride and Chlorine Releases from Leaking Equipment

Author(s): S Dharmavaram Annual Conference: 1991, Vol. 6A

Paper ID: 91-79.1

Implementation Options for Mact Standards for Emissions from Leaking Equipment

Author(s): BC Davis

Annual Conference: 1991, Vol. 6A

Paper ID: 91-79.2

An Elevation of the Responses of Selected Portable Analyzers for Method 21

Author(s): JA Sokash

Annual Conference: 1991, Vol. 6A

Paper ID: 91-79.3

Improvement of VOC Source Fingerprints for Vehicles and Refineries

Author(s): PA Scheff

Annual Conference: 1991, Vol. 6A

Paper ID: 91-79.5

Characterization of Volatile Organic Compounds Contained in Coke Plant Emissions

Author(s): D Nelson

Annual Conference: 1991, Vol. 6A

Paper ID: 91-79.6

Review of Toxic Release Inventory Fugitive Emissions Release Estimates from the EPA Quality Assurance Site Visit Program

Author(s): MT McAdams

Annual Conference: 1991, Vol. 6A

Paper ID: 91-79.7

Partitioning Model of Polyaromatic Hydrocarbons based on PM10u in Urban Atmosphere

Author(s): WMG Lee

Annual Conference: 1991, Vol. 6A

Paper ID: 91-79.9

Design and Implementation of a Successful Groundwater Remediation Using Solute Transport Modeling

Author(s): JE Brinkman, TLTharp, J Barham, EB Rodriguez

Annual Conference: 1991, Vol. 10A

Paper ID: 91-8.1

Ground-Water Models: Valuable Pre-Remediation Tools

Author(s): MP Kladias, GM Duffield, LD Shortyk

Annual Conference: 1991, Vol. 10A

Paper ID: 91-8.3

Case Study for Three-Dimensional Numerical Trichloroethene Solute Transport Model

Author(s): JY Yang, A Acharya, F Bopp, J Brinkma, GT Yeh,

RJ Young

Annual Conference: 1991, Vol. 10A

Paper ID: 91-8.6

A Logical Approach to Modeling Chemical Transport in Groundwater

Author(s): DR Young, GD Runnells Annual Conference: 1991, Vol. 10A

Paper ID: 91-8.7

Baseline Air Toxics Levels in an Industrial Area

Author(s): J Koos

Annual Conference: 1991, Vol. 6B

Paper ID: 91-80.1

Site-Wide, Real-Time Air Monitoring During Remediation

Author(s): BS Yare

Annual Conference: 1991, Vol. 6B

Paper ID: 91-80.11

Combining Dispersion Modeling and Ambient Monitoring for Inhalation Risk Assessments

Author(s): KL Zankel

Annual Conference: 1991, Vol. 6B

Paper ID: 91-80.12

Vapor Flux and Air Sampling Program to Evaluate on Site Air Pathway Exposure for Input into a Health Risk Assessment

Author(s): JA Reyff

Annual Conference: 1991, Vol. 6B

Paper ID: 91-80.14

Ambient Air Toxics Monitoring for Grater Detroit Resource Recovery Facility: Inter-Site Comparisons

Author(s): JC Serne

Annual Conference: 1991, Vol. 6B

Paper ID: 91-80.16

Government and Industry Cooperation to Monitor Toxic Air Pollutants in Ambient Air: The Washington, D.C. Experience

Author(s): AM Mason

Author(s). Aivi iviason

Annual Conference: 1991, Vol. 6B

Paper ID: 91-80.18

Design of an Integrated Program to Monitor Air Toxics and Meteorology in the Vicinity of a Large Petroleum Refinery

Author(s): JW Wilson

Annual Conference: 1991, Vol. 6B

Paper ID: 91-80.19

Partnering Between the Public, Regulatory Agencies and Industry for a Successful Ambient Air Monitoring Program

Author(s): RL Kump

Annual Conference: 1991, Vol. 6B

Paper ID: 91-80.2

Ambient Air Monitoring of Dredging and Disposal of PCB Contaminated Sediment at a Marine Superfund Site: New Bedford Harbor, Massachusetts

Author(s): AS Fowler

Annual Conference: 1991, Vol. 6B

Paper ID: 91-80.21

Determination of Alkylated Benzenes in Air by Headspace Gas Chlormatography (HS-GC)

Author(s): AM Canela

Annual Conference: 1991, Vol. 6B

Paper ID: 91-80.23

Determining the Ambient Impacts of Coke and Coke By-Products Manufacturing on Selected Pollutant Levels in Neighboring Communities: 1-Results from a Six-Month Ambient Air Benzene Monitoring Study

Author(s): R Harkov

Annual Conference: 1991, Vol. 6B

Paper ID: 91-80.3

Design and Conduct of a Major Atmospheric Tracer Experiment

Author(s): WG England

Annual Conference: 1991, Vol. 6B

Paper ID: 91-80.4

Aerosol Pollution Caused by open Burning of Scrap Metals at Wenli

Author(s): JH Tsai

Annual Conference: 1991, Vol. 6B

Paper ID: 91-80.5

Effects of Ozone Removal on the measurement of Carbonyl Compounds in Ambient Air: Field Experience Using Method TO-11

Author(s): RG Merrill

Annual Conference: 1991, Vol. 6B

Paper ID: 91-80.6

Assessment of Potential Community Health Risks Associated with Air Emissions from a Truck Manufacturing Plant

Author(s): DR Patrick, F Partee Annual Conference: 1991, Vol. 17

Paper ID: 91-80.7

Ambient Air Toxic Monitoring and Analysis for Dimethyl Mercury During a Superfund Site Remediation Utilizing an On-Site Field Laboratory

Author(s): WE Sherman

Annual Conference: 1991, Vol. 6B

Paper ID: 91-80.8

Development of a State-of-the Art Ambient Air Monitoring Network for the Kodak Park Industrial Complex

Author(s): BM Wirsig

Annual Conference: 1991, Vol. 6B

Paper ID: 91-80.9

The California Air Toxics "Hot Spots" Program Risk Communication Issues

Author(s): S Hill

Annual Conference: 1991, Vol. 6B

Paper ID: 91-81.1

Anatomy of a State Air Toxics Control Program: A Review of the Wisconsin Experience

Author(s): JS Rickun

Annual Conference: 1991, Vol. 6B

Paper ID: 91-81.2

Creative Strategies for Achieving Reductions in Fugitive Toxic Air Emissions

Author(s): EG Suchman

Annual Conference: 1991, Vol. 6B

Paper ID: 91-81.4

Ohio's Air Toxics Policy: New Directions

Author(s): DJ Niederkorn

Annual Conference: 1991, Vol. 6B

Paper ID: 91-81.5

From Micro to Marco: The Big Picture on Air Toxics Control from a Local Perspective

Author(s): JW Cropp

Annual Conference: 1991, Vol. 6B

Paper ID: 91-81.6

Air Toxics Regulation in California

Author(s): RN Hazelwood

Annual Conference: 1991, Vol. 6B

Paper ID: 91-81.7

California Air Toxics Program: Review of Progress and Future Direction

Author(s): PD Venturini

Annual Conference: 1991, Vol. 6B

Paper ID: 91-81.8

Particulate Source Apportionment in Greater Cincinnati-Risk Apportionment as Applied to an Iron-Steel Foundry Airshed

Author(s): P Biswas

Annual Conference: 1991, Vol. 7

Paper ID: 91-82.1

Two Phase Receptor Modeling

Author(s): RA Wadden

Annual Conference: 1991, Vol. 7

Paper ID: 91-82.2

Receptor Modeling of VOCs in Chicago, Beaumont and Detroit

Author(s): DM Kenski

Annual Conference: 1991, Vol. 7

Paper ID: 91-82.3

Examination of Source Regions and Transport Pathways of Organic and Light Absorbing Carbon into Remote Areas of the United States

Author(s): KA Gebhart

Annual Conference: 1991, Vol. 7

Paper ID: 91-82.4

A Receptor Modeling Approach to Ozone Regulation

Author(s): RC Henry

Annual Conference: 1991, Vol. 7

Paper ID: 91-82.5

Application of the SAFER Model to identification of VOC Emission Source Compositions

Author(s): JF Collins

Annual Conference: 1991, Vol. 7

Paper ID: 91-82.6

Apportionment Study of Polycyclic Aromatic Hydrocarbons (PAH) at an Urban Development Site

Author(s): DR Draper

Annual Conference: 1991, Vol. 7

Paper ID: 91-82.7

The Relationship Between the Chemical Mass Balance (CMB) and Absolute Principal Component Score (APCS) Receptor Model

Author(s): GD Thurston

Annual Conference: 1991, Vol. 7

Paper ID: 91-82.8

A Comparison of Three Plume Risk Models

Author(s): A Kumar

Annual Conference: 1991, Vol. 7

Paper ID: 91-83.11

Predicting Air Pollution Dispersion in Complex Mesoscale Flows Using a Mesoscale Numerical Model and a Lagrangian Particle Dispersion Model

Author(s): WA Lyons

Annual Conference: 1991, Vol. 7

Paper ID: 91-83.12

Numerical Modeling of Turbulent Dispersion Around Structures Using a Particles in Cell Method

Author(s): RL Lee

Annual Conference: 1991, Vol. 7

Paper ID: 91-83.13

Modeling Mobile Source Impacts for NOx PSD Increment Consumption

Author(s): PG Diosey

Annual Conference: 1991, Vol. 7

Paper ID: 91-83.14

Comparison of Heat Flux and Land Use Methods for a Rural/Urban Determination

Author(s): RJ Paine

Annual Conference: 1991, Vol. 7

Paper ID: 91-83.15

Temporal Traffic Fluctuations and Their Impact on Modeled Peak Eight-Hour Carbon Monoxide Concentrations

Author(s): RD O'Neal

Annual Conference: 1991, Vol. 7

Paper ID: 91-83.16

Evaluating Carbon Monoxide Impacts from Enclosed Parking Garages

Author(s): RJ Tossi

Annual Conference: 1991, Vol. 7

Paper ID: 91-83.17

An Intermediate Terrain Atmospheric Dispersion Model

Author(s): RA Karpovich

Annual Conference: 1991, Vol. 7

Paper ID: 91-83.19

Development of Hybrid Model for Assessing Concentrations of Toxic Effluent at Air Force Installations

Author(s): RL Petersen

Annual Conference: 1991, Vol. 7

Paper ID: 91-83.21

An Exporation of Popular Platforms for Dispersion Modeling Using Compatible Personal

Author(s): C Smith

Annual Conference: 1991, Vol. 7

Paper ID: 91-83.3

Statistical Analysis of Carbon Monoxide Concentration, Meteorology and Traffic Parameters Measured at Two Urban Intersections

Author(s): P Mayes

Annual Conference: 1991, Vol. 7

Paper ID: 91-83.4

A Wind Tunnel Study of Atmospheric Dispersion of a Highly Buoyant Stack Exhaust

Author(s): BR White

Annual Conference: 1991, Vol. 7

Paper ID: 91-83.5

Atmospheric Dispersion Modeling Using 32-Bit DOS Extenders

Author(s): C Smith

Annual Conference: 1991, Vol. 7

Paper ID: 91-83.6

Questions Associated with a Method of Accounting for Forest-Induced Turbulence in Ambient Dispersion Modeling

Author(s): JP Freiman

Annual Conference: 1991, Vol. 7

Paper ID: 91-83.7

Ozone Limiting Method-Does It Help? A Case Study and an Evaluation Experiment

Author(s): V Gudivaka

Annual Conference: 1991, Vol. 7

Paper ID: 91-83.8

Inhalation Health Risk Assessment for a Hazardous Waste Treatment, Storage and Disposal Facility: A Case History

Author(s): JLM Koehler

Annual Conference: 1991, Vol. 7

Paper ID: 91-84.2

Modeling of Accidental Ammonia Releases from an Ammonia Storage Facility

Author(s): KT Fellows

Annual Conference: 1991, Vol. 7

Paper ID: 91-84.3

Treatment of Denser Than-Air Releases in an Advection Diffusion Model: Thermodynamic Effects

Author(s): DL Ermak

Annual Conference: 1991, Vol. 7

Paper ID: 91-84.4

Minimum Dilution in the Atmosphere and the Application to Uncontrolled Gas Releases

Author(s): MJE Davies

Annual Conference: 1991, Vol. 7

Paper ID: 91-84.5

Multimedia Assessment of Emissions (MAE) from the Amoco Corporation Yorktown Refinery (Amoco/EPA Pollution Prevention Project)

Author(s): Y Cohen

Annual Conference: 1991, Vol. 7

Paper ID: 91-84.6

Calculation of Evaporative Emission Rates of Air Toxics from a Multicomponent Liquid Spill

Author(s): PJ Drivas

Annual Conference: 1991, Vol. 7

Paper ID: 91-84.7

A User Friendly Accidental and Regulatory Compliance Monitoring Interface Program Developed by IBM

Author(s): TA Tamayo

Annual Conference: 1991, Vol. 7

Paper ID: 91-84.8

PUFF: A Dispersion Model for Complex Terrain

Author(s): H Harrison

Annual Conference: 1991, Vol. 7

Paper ID: 91-85.1

Wind Flow and Trajectory Analysis Over Eastern Utah during the Winter of 1990 for Emissions Transport Evaluation

Author(s): EM Tomlinson Annual Conference: 1991, Vol. 7

Paper ID: 91-85.11

Wind Structure Within the Grand Canyon as Observed by a Low-Level Wid Profiler

Author(s): DE Wolfe

Annual Conference: 1991, Vol. 7

Paper ID: 91-85.2

A Measurement Method for Sampling Pollutants Aloft in Complex Terrain

Author(s): RA Baxter

Annual Conference: 1991, Vol. 7

Paper ID: 91-85.4

Simulations of the Local Dynamics in a Mountain Valley

Author(s): D Koracin

Annual Conference: 1991, Vol. 7

Paper ID: 91-85.6

Application of a Three-Dimensional, Prognostic Model to Mexico City Air Quality Studies

Author(s): MD Williams

Annual Conference: 1991, Vol. 7

Paper ID: 91-85.8

Influence of Terrain on Gas and Aerosol Concentrations in the Eastern United States

 $Author(s): ES\ Edgerton$

Annual Conference: 1991, Vol. 7

Paper ID: 91-85.9

Modification of the Heavy Gas Box Model for Cloud Spread Through a Regular Array of Obstacles

Author(s): KC Heidorn

Annual Conference: 1991, Vol. 7

Paper ID: 91-86.1

Estimating Off-Site Impacts for Fires and Explosions

Author(s): MT Mills

Annual Conference: 1991, Vol. 7

Paper ID: 91-86.2

Modeling and Field Measurement of Atmospheric Dispersion for a Well Blowout or Pipeline Rupture

Author(s): LD Holizki

Annual Conference: 1991, Vol. 7

Paper ID: 91-86.3

Estimating Emissions from Area Sources: Application of Direct and Indirect Approaches

Author(s): S Batterman

Annual Conference: 1991, Vol. 7

Paper ID: 91-86.4

Sensitivity of Numerical Dispersion Modeling to Explosive Source Parameters

Author(s): RL Baskett

Annual Conference: 1991, Vol. 7

Paper ID: 91-86.5

GASCON2----A Model to Estimate Ground-Level HS Concentrations and Consequences from Uncontrolled Sour Gas Releases

Author(s): MJ Zelensky

Annual Conference: 1991, Vol. 7

Paper ID: 91-86.6

Travel Demand Forecasting Limitations for Evaluating TCMs

Author(s): D Ismart

Annual Conference: 1991, Vol. 8

Paper ID: 91-87.1

A Transportation/Air Quality Research Agenda for the 1990s

Author(s): R Guensler

Annual Conference: 1991, Vol. 8

Paper ID: 91-87.2

Methodologies for Quantifying the Emissions Reduction of Transportation Control Measures

Author(s): RG Dulla

Annual Conference: 1991, Vol. 8

Paper ID: 91-87.3

TCMs-How Effective Are They? New Methods to Estimate Emission Reductions from Transportation Control Measures

Author(s): BS Austin

Annual Conference: 1991, Vol. 8

Paper ID: 91-87.4

Recommended Improvements to Vehicle Queuing Algorithms in the CAL3QHC Intersection Air Pollution Model

Author(s): PH Guldberg

Annual Conference: 1991, Vol. 7

Paper ID: 91-88.1

New Approaches to Urban Scale Transportation Emissions Modeling Under a New Clean Air Act

Author(s): CL Saricks

Annual Conference: 1991, Vol. 7

Paper ID: 91-88.11

Evaluation of Eight Intersection Models

Author(s): TN Braveman

Annual Conference: 1991, Vol. 7

Paper ID: 91-88.12

Managing Trucks for Air Quality Current Work in Progress

Author(s): C Nelson

Annual Conference: 1991, Vol. 7

Paper ID: 91-88.13

Uncertainty in the Emission Inventory for Heavy-Duty Diesel-Powered Trucks

Author(s): R Guensler

Annual Conference: 1991, Vol. 7

Paper ID: 91-88.14

A Survey of Auto Emissions in the Greater Vancouver Region

Author(s): JM Berry

Annual Conference: 1991, Vol. 7

Paper ID: 91-88.15

A Technique for Improving Carbon Monoxide Intersection Air Quality Model Performance

Author(s): RF Conway

Annual Conference: 1991, Vol. 7

Paper ID: 91-88.2

Nitrous Oxide Emission from Vehicles

Author(s): J Muhlbaier Dasch Annual Conference: 1991, Vol. 7

Paper ID: 91-88.3

Pinning Down "Worst Case" Persistence Factors for Carbon Monoxide Modeling Near Intersection in Orlando, Florida

Author(s): CD Cooper

Annual Conference: 1991, Vol. 7

Paper ID: 91-88.5

Motor Vehicle Emissions Modeling Issues

Author(s): AW Gertler

Annual Conference: 1991, Vol. 7

Paper ID: 91-88.8

High Elevation Fog Chemistry in Southwestern British Columbia

Author(s): MS Kotturi

Annual Conference: 1991, Vol. 2

Paper ID: 91-89.1

Characterization of Volcanic Aerosol in Two Populated Areas on the Island of Hawaii: First Year Findings of a 3-Year Investigation

Author(s): JW Morrow

Annual Conference: 1991, Vol. 2

Paper ID: 91-89.2

Estimation of the Aerosol Acidity in the Eastern United States

nuics

Author(s): WC Malm

Annual Conference: 1991, Vol. 2

Paper ID: 91-89.3

Formation of Secondary Aerosol Sulfate and Nitrate in Salt Lake City in the Wintertime

Author(s): SA Campbell

Annual Conference: 1991, Vol. 1

Paper ID: 91-89.4

Measurements of Aerosol Acidity Sampling Frequency, Seasonal Variability and Spatial Variation

Author(s): KM Thompson Annual Conference: 1991, Vol. 2

Paper ID: 91-89.5

Daily Acid Aerosol Monitoring in Three New York State Metropolitan Areas: Sampling Techniques and Results

Author(s): GD Thurston

Annual Conference: 1991, Vol. 2

Paper ID: 91-89.6

Atmospheric Acidity Data Quality and Measurement Characteristics for California's Acid Deposition Monitoring Program

Author(s): LL Ashbaugh Annual Conference: 1991, Vol. 2

Paper ID: 91-89.7

Summertime Patterns of Atmospheric Acidity in

Metropolitan Atlanta

Author(s): JM Waldman

Annual Conference: 1991, Vol. 2

Paper ID: 91-89.8

Diurnal Variations of Aerosol Acidity, Sulfate and Ammonia in the Atmosphere

Author(s): WE Wilson

Annual Conference: 1991, Vol. 2

Paper ID: 91-89.9

Advancements in a Leak Detection Monitoring Program Lead to a Discovery Affecting Compliance Programs at Uncontrolled Superfund Sites with Elevated Vapor Background Levels

Author(s): TJ Owen

Annual Conference: 1991, Vol. 10A

Paper ID: 91-9.1

Management of USTs in British Columbia

Author(s): DP Ferguson

Annual Conference: 1991, Vol. 10A

Paper ID: 91-9.11

Volumetric Leak Detection in Underground Storage Tanks Containing Chemicals

Author(s): JW Starr, RF Wise, JW Maresca, RW Hillger, AN

Tafuri

Annual Conference: 1991, Vol. 10A

Paper ID: 91-9.2

Beyond Compliance Long Term Management Strategies for Properties with Underground Storage Tanks

Author(s): T Morhan

Annual Conference: 1991, Vol. 10A

Paper ID: 91-9.4

Investigation, Design and Implementation of an Underground Storage Tank (UST) Site Remediation

Author(s): DL Koltuniak

Annual Conference: 1991, Vol. 10A

Paper ID: 91-9.6

Multimedia Health Risk Assessment of Power Plant

Emissions

Author(s): C Seigneur

Annual Conference: 1991, Vol. 8

Paper ID: 91-90.1

Chemical Characteristics of Coal-Fired Power Plant Fly Ash Emissions

Author(s): JA Cooper

Annual Conference: 1991, Vol. 8

Paper ID: 91-90.5

An Integrated Risk Analysis Framework for Utility Industry Applications

Author(s): L Levin

Annual Conference: 1991, Vol. 8

Paper ID: 91-90.6

VOC Emissions from Major Organic Chemical Plants in Canada

Author(s): WC Edwards

Annual Conference: 1991, Vol. 8

Paper ID: 91-91.1

An Air Toxics and VOC Emission Factor Development Project for Oil Production Facilities

Author(s): JC Serne

Annual Conference: 1991, Vol. 8

Paper ID: 91-91.11

The Emissions Inventory and Emissions Modeling System for the Lake Michigan Ozone Study

Author(s): S Heisler

Annual Conference: 1991, Vol. 8

Paper ID: 91-91.12

Speciation of Ambient TRS Compounds with a Portable GC

Author(s): WJ McCormick Annual Conference: 1991, Vol. 8

Paper ID: 91-91.13

Fugitive Hydrocarbon Emissions from Pacific OCS Facilities

Author(s): RJ Countess

Annual Conference: 1991, Vol. 8

Paper ID: 91-91.2

Development of Unit-Specific Predictive Emission Equations for Chlorinated Hydrocarbons

Author(s): TR Rogers

Annual Conference: 1991, Vol. 8

Paper ID: 91-91.4

Development of an Engineering Approach for the Remediation of a Petroleum Sump and the Measurement and Modeling of Air Emissions from the Remedial Approach

Author(s): CE Schmidt

Annual Conference: 1991, Vol. 8

Paper ID: 91-91.6

Air Toxic Emissions from Iron Foundries

Author(s): G Gschwandtner Annual Conference: 1991, Vol. 8

Paper ID: 91-91.7

The Use of GIS Software in the Development of Emissions Inventories and Emissions Modeling

Author(s): L Bruckman

Annual Conference: 1991, Vol. 8

Paper ID: 91-91.8

Air Toxics Emission Inventory Process for California's Air Toxics ''Hot Spots'' Program

Author(s): MB Schwehr

Annual Conference: 1991, Vol. 8

Paper ID: 91-91.9

A Multi-Process General Fate Model for VOC in Wastewater

Author(s): RL Corsi

Annual Conference: 1991, Vol. 8

Paper ID: 91-92.1

Methods for Estimating Trace Metal Emissions from Fluidized Bed Incinerators Using Advanced Air Pollution Control Equipment

Author(s): WR Niessen

Annual Conference: 1991, Vol. 8

Paper ID: 91-92.11

VOCs in Wastewater: State of Understanding

Author(s): RJ Corsi

Annual Conference: 1991, Vol. 8

Paper ID: 91-92.12

Air Toxics Levels at Wastewater Treatment Plants-Summary of Case Studies

Author(s): C Marlowe

Annual Conference: 1991, Vol. 8

Paper ID: 91-92.13

California Assembly Bill 2588 Impacts on POTWs

Author(s): JR Witherspoon Annual Conference: 1991, Vol. 8

Paper ID: 91-92.2

A Comprehensive Air Emissions Monitoring Program for Wastewater Treatment Plants

Author(s): JR Witherspoon Annual Conference: 1991, Vol. 8

Paper ID: 91-92.3

The Emission of Volatile Organic Compounds from Aerated Grit Chambers at the Metropolitan Wastewater Treatment Plant

Author(s): SJ Balogh

Annual Conference: 1991, Vol. 8

Paper ID: 91-92.4

Estimating Treatability Parameters for Predicting the Fate of VOCs in Wastewater Treatment Plants

Author(s): JP Bell

Annual Conference: 1991, Vol. 8

Paper ID: 91-92.6

Models for Estimating Stripping and Volatilization of VOCs from Wastewater

Author(s): JR Mihelcic

Annual Conference: 1991, Vol. 8

Paper ID: 91-92.7

Volatile Organic Carbon (VOC) Emissions from Biological Treatment Processes of Gasoline Tank Bottoms

Author(s): GP Partridge

Annual Conference: 1991, Vol. 8

Paper ID: 91-92.8

Development of a Suspension Technique for Surface Dust Profiles and Filter Standards

Author(s): S Vermette

Annual Conference: 1991, Vol. 8

Paper ID: 91-93.1

Particle Breakup in a Virtual Impactor

Author(s): AL Williams

Annual Conference: 1991, Vol. 8

Paper ID: 91-93.2

A Multiple Port Resuspension Chamber for Fugitive Dust Characterization

Author(s): JC Chow

Annual Conference: 1991, Vol. 8

Paper ID: 91-93.7

Integrated Gas Reburning Emission Control Technologies: Three Demonstration and Some Initial Data

Author(s): BA Folsom, W Bartok, TM Sommer, RT Keen

Annual Conference: 1991, Vol. 9A

Paper ID: 91-94.1

Natural Gas Reburning for NOx Control on a Cyclone-Fired Boiler

Author(s): RE Hall, RW Borio, RD Lewis, R Booth

Annual Conference: 1991, Vol. 9A

Paper ID: 91-94.3

NOx Reduction Through Combustion Optimization on Two 480 MW Utility Boilers

Author(s): MD McDannuel, SM Haythornthwaite, MD

Eascarcega, BL Gilman

Annual Conference: 1991, Vol. 9A

Paper ID: 91-94.4

Retrofit NOx Control Strategies for Coal-Fired Utility Boilers

Author(s): D Eskinazi,

Annual Conference: 1991, Vol. 9A

Paper ID: 91-94.5

Stationary Source Nitrogen Oxides Control Strategies in the Northeast States

Author(s): NL Seidman, DL McVay Annual Conference: 1991, Vol. 9A

Paper ID: 91-94.6

Nitrogen Oxide Control in Advanced Coal-Based Gas Turbine Systems

Author(s): RC Bedick, HA Webb, CM Zeh

Annual Conference: 1991, Vol. 9A

Paper ID: 91-94.7

Demonstration of Advanced Wall-Fired Combustion Techniques for the Reduction of Nitrogen Oxide (NOx) Emissions from Coal-Fired Boilers

Author(s): JN Sorge, SM Wilson, L Larsen, L Smith

Annual Conference: 1991, Vol. 9A

Paper ID: 91-94.8

Commercial Experience with Co-Generation Applications-Design Models for Catalytic Abatement of NOx and CO

Author(s): RM Heck, JM Chen, BK Speronello

Annual Conference: 1991, Vol. 9A

Paper ID: 91-95.1

Incineration of Pitch Exhaust Fume from Alcan's Kitimat Anode Paste Plant Using a Catalytic Reactor

Author(s): AF Mikkelsen, M Durilla Annual Conference: 1991, Vol. 9A

Paper ID: 91-95.2

Control of NOx/CO/HC Emissions from Natural Gas Fueled Stationary Engines with Three-Way Catalysts

Author(s): JC Summers, AC Frost, WB Williamson, IM

Freidel

Annual Conference: 1991, Vol. 9A

Paper ID: 91-95.4

Direct Measurement of Total Nonmethane Hydrocarbons in Automobile Exhaust

Author(s): K Zafonte, TS Yeung, D Daymon

Annual Conference: 1991, Vol. 9A

Paper ID: 91-96.2

A Comparison of Heavy-Duty Diesel Truck Engine Smoke Opacities at High Altitude and at Sea Level

Author(s): DJ Chernich, PE Jacobs, JD Kowalski

Annual Conference: 1991, Vol. 9A

Paper ID: 91-96.3

California's Heavy Duty Vehicle Smoke and Tampering **Inspection Program**

Author(s): PE Jacobs, DJ Chernich, JD Kowalski

Annual Conference: 1991, Vol. 9A

Paper ID: 91-96.4

Effects of Increasing Fuel Economy on Gasoline Vehicle **HC** Emissions

Author(s): Q Wang, DL Greene, MA DeLuchi

Annual Conference: 1991, Vol. 9A

Paper ID: 91-96.7

Improved Pulse-Jet Filtration Characteristics from Pre-Charged Fly Ash Particles

Author(s): JM Quimby, DJ Helfritch, T Brown

Annual Conference: 1991, Vol. 9A

Paper ID: 91-99.1

Effects of Implementation of Revised Clean Air Act on **Existing Pollution Control Equipment**

Author(s): PL Feldman, KS Kumar Annual Conference: 1991, Vol. 9A

Paper ID: 91-99.2

The Development of SONOX Technology

Author(s): KS Kumar, R Mangal Annual Conference: 1991, Vol. 9A

Paper ID: 91-99.3

An Integrated Data Management System for CEM Applications of the 1990s

Author(s): JE Wright, JP Eckenrode Annual Conference: 1991, Vol. 9A

Paper ID: 91-99.4

Tighter Emission Limits and Tougher Penalties Require Improved Monitoring and P.M. Methods for Baghouse **Emission Control System**

Author(s): JP Eckenrode, G Greinr Annual Conference: 1991, Vol. 9A

Paper ID: 91-99.5

The Importance of Preventive Maintenance Programs for Fabric Filter Dust Collection Systems as it Applies to the Clean Air Act

Author(s): M Santschi

Annual Conference: 1991, Vol. 9A

Paper ID: 91-99.6

ECRA Remediation

Author(s): MK Kowalski, TA Gerrish Annual Conference: 1990, Vol. 1

Paper ID: 90-1.2

Case Study of a Contaminated Site Used for Disposal of **Explosive Material**

Author(s): MS Pereira

Annual Conference: 1990, Vol. 1

Paper ID: 90-1.3

A Case Study of Site Remediation or Lightning Strikes Twice

Author(s): MJ Tone

Annual Conference: 1990, Vol. 1

Paper ID: 90-1.4

A Case Study in Hazardous Waste Remedial Design--The **Vroom Contamination Site**

Author(s): KR Batsel, RT Clark Annual Conference: 1990, Vol. 1

Paper ID: 90-1.6

Economic-Risk Management for Selecting an Ust Piping Management Strategy

Author(s): DE Gess, FK Selker, EV Niemeyer

Annual Conference: 1990, Vol. 1

Paper ID: 90-10.2

External Leak Detector Performance Evaluation

Author(s): RD Achord, PB Durgin Annual Conference: 1990, Vol. 1

Paper ID: 90-10.3

Tracer Leak Detection of Underground Storage Tanks

Author(s): OD Evans

Annual Conference: 1990, Vol. 1

Paper ID: 90-10.4

Aspired Vapor Monitoring for Underground Storage Tanks

Author(s): CE Gardner

Annual Conference: 1990, Vol. 1

Paper ID: 90-10.5

Preventing UST Releases: An Insurance Underwriting Approach Using the Financial Responsibility Model

Author(s): WP Gulledge Annual Conference: 1990, Vol. 1

Paper ID: 90-10.6

Anthropogenic Emissions Involved in Acidic Deposition Processes

Author(s): RE Battye, JK Wagner Annual Conference: 1990, Vol. 6

Paper ID: 90-100.1

Categorization of Sulfate and Nitrate Wet Deposition Episodes Based on a Three-Day Atmospheric Circulation Patterns

Author(s): JR Brook, S Sillman, PJ Samson

Annual Conference: 1990, Vol. 6

Paper ID: 90-100.2

Atmospheric Deposition Parameters in Southern Commercial Forests

Author(s): RL Sutton, ER Allen Annual Conference: 1990, Vol. 6

Paper ID: 90-100.3

Deposition and Interaction of Nitrogen Containing Pollutants to a High Elevation Forest Canopy

Author(s): AB Murthy, VP Aneja Annual Conference: 1990, Vol. 6

Paper ID: 90-100.4

Dry Deposition of Atmospheric Contaminants at Gettysburg, PA

Author(s): YL Wu, CI Davidson, DA Dolske, SI Sherwood

Annual Conference: 1990, Vol. 6

Paper ID: 90-100.5

Conditions Causing High Concentrations of Sulphate and Nitrate in an Elevated Layer Over the South African Highveld

Author(s): G Held, GM Snyman, RB Wells, IR Danford, Y

Hong, H Scheifinger

Annual Conference: 1990, Vol. 6

Paper ID: 90-100.6

Control of Ethanol Emissions From Large Commercial Bakeries

Author(s): J Cutino, P Hess Annual Conference: 1990, Vol. 6

Paper ID: 90-101.1

Development of a Scrubbing System Cleaning Gases from High Pressure Fluidized Bed Gasifier

Author(s): GR Gosselin

Annual Conference: 1990, Vol. 6

Paper ID: 90-101.2

Modeling Collection Efficiency in Venturi Scrubbers

Author(s): HG Chong, TJ Overcamp Annual Conference: 1990, Vol. 6

Paper ID: 90-101.3

Experience in the Reduction of Nitric Oxide in Flue Gas Utilizing the Dow Chemical Company's NOx Abatement Technology

Author(s): SS Tsai, VB Hodge, LH Kirby, JV

VanLandingham

Annual Conference: 1990, Vol. 6

Paper ID: 90-101.4

Automotive Spray Booth VOC Abatement

Author(s): D Crompton

Annual Conference: 1990, Vol. 6

Paper ID: 90-101.5

Performance Characteristics of P84 Composite Fabrics in Dust Collectors

Author(s): EL Noddin, A Turkson Annual Conference: 1990, Vol. 6

Paper ID: 90-101.6

Effects of Wide Plate Spacing in Electrostatic Precipitators

Author(s): PL Feldman, KS Kumar Annual Conference: 1990, Vol. 6

Paper ID: 90-101.7

An Update on Sara Title III, Section 313 Reporting in the Steel Industry

Author(s): DL Perrin, WF Kemner Annual Conference: 1990, Vol. 6

Paper ID: 90-102.1

Estimation of Benzene Releases from Coke By-Product Operations: Implications for SARA Title III Section 313 and Benzene NESHAPs Compliance Activities

Author(s): R Harkov, J Fillo Annual Conference: 1990, Vol. 6

Paper ID: 90-102.2

PM Characterization of Iron and Steel Sources Not Previously Included in Fugitive Emission Inventories

Author(s): F Pendleton, R Sistek Annual Conference: 1990, Vol. 6

Paper ID: 90-102.3

Comprehensive Summary of Air Pollutant Emission Factors for Iron and Steel Industry

Author(s): G Gschwandtner, RC McCrillis

Annual Conference: 1990, Vol. 6

Paper ID: 90-102.4

The Use of Expanded PTFE Membrane Filter Media in Electric Arc Furnace Applications

Author(s): T Fisher

Annual Conference: 1990, Vol. 6

Paper ID: 90-102.5

Industry Participation in Development of Air Toxics Regulations for the Pittsburgh, Pennsylvania Area

Author(s): WR Mura, MJ Campbell, A Roffman

Annual Conference: 1990, Vol. 6

Paper ID: 90-102.6

Retrofit Costs of SO and NOx Controls in the United States and the Federal Republic of Germany

Author(s): TE Emmel, M Maibodi Annual Conference: 1990, Vol. 6

Paper ID: 90-103.1

The Costs of Acid Rain Control Using Natural Gas Cofiring and Physical Coal Cleaning

Author(s): EE Berkau, RW Glickert, PR Day, SE Winberg

Annual Conference: 1990, Vol. 6

Paper ID: 90-103.2

The Next Generation of Wet FGD Systems

Author(s): RE Moser, AP Simko Annual Conference: 1990, Vol. 6

Paper ID: 90-103.3

Integrated Dry Sorbent Injection for Coal-Fired Boiler SO and NOx Control

Author(s): DJ Helfritch, SJ Bortz, PD Bergman

Annual Conference: 1990, Vol. 6

Paper ID: 90-103.4

Modeling of Simultaneous SO and NOx Collection in a Spray Dryer: Using A Lime Slurry with Inorganic Deliquescent Additives

Author(s): CS Yuan, MJ Rood Annual Conference: 1990, Vol. 6

Paper ID: 90-103.5

An Evaluation Method for IGCC Power Systems

Author(s): HC Frey, ES Rubin, UM Diwekar

Annual Conference: 1990, Vol. 6

Paper ID: 90-103.6

Control of Sulfur and Nitrogen Contaminants in Advanced Coal-Based Power Generation Systems

Author(s): RC Bedick, NT Holcombe Annual Conference: 1990, Vol. 6

Paper ID: 90-103.7

A State Level Probabilistic Production Costing Analysis of SO Emissions Reduction Strategies for Ohio; Effectiveness, Costs and Regional Economic Impacts

Author(s): JS Heslin, BF Hobbs Annual Conference: 1990, Vol. 6

Paper ID: 90-103.9

Control Technologies for Air Emissions in the Wood Particles Industries

Author(s): JE Wright

Annual Conference: 1990, Vol. 6

Paper ID: 90-104.1

Stratification of Particulate and VOC Pollutants in Paint Spray Booths

Author(s): CH Darvin, J Ayer Annual Conference: 1990, Vol. 6

Paper ID: 90-104.2

Split-Flow Exhaust Recirculation for the Economic Control of VOC Emissions from Paint Spray Booths

Author(s): J Ayer, CH Darvin Annual Conference: 1990, Vol. 6

Paper ID: 90-104.3

Oxidation Catalyst for Cogeneration Applications-Regeneration of Commercial Catalyst

Author(s): RM Heck, JM Chen, MF Collins

Annual Conference: 1990, Vol. 6

Paper ID: 90-105.1

Reactor Model for the Fixed Bed Catalytic Incineration of VOCs

Author(s): AC Frost, JE Sawyer, JC Summrs, YT Shah, CG

Dassori

Annual Conference: 1990, Vol. 6

Paper ID: 90-105.10

Effect of Reaction Parameters on the Activity of Synox Catalysts for the Selective Catalytic Reduction of NOx

Author(s): JP Solar, JC Fu Annual Conference: 1990, Vol. 6

Paper ID: 90-105.2

Control and Monitoring of Fluid Catalytic Cracking Flue Gas SOX Emissions

Author(s): JL Mauleon, J Marvillet Annual Conference: 1990, Vol. 6

Paper ID: 90-105.3

Deactivation By HS of Cr O Emission Control Catalyst for Chlorinated Voc Destruction

Author(s): HL Greene, CM Nunez Annual Conference: 1990, Vol. 6

Paper ID: 90-105.4

Dual Function Catalyst for Clean Gas Applications

Author(s): CJ Pereira, FJ Gulian, LJ Czarnecki, JS Rieck

Annual Conference: 1990, Vol. 6

Paper ID: 90-105.6

Control of Corrosive or Water Soluble VOC Emissions with Activated Carbon Fiber Adsorbents

Author(s): RE Kenson, WJ Fucich Annual Conference: 1990, Vol. 6

Paper ID: 90-105.7

Control of Toxic/Voc Emissions Using Brayton Cycle Technology

Author(s): JC Ennecking, JL Kovach Annual Conference: 1990, Vol. 7

Paper ID: 90-106.1

San Francisco Bay Area Marine Tanker Emission Controls

Author(s): J Karas, DP Van Buren Annual Conference: 1990, Vol. 7

Paper ID: 90-106.2

Calculating Excess Emissions from Surface Coating Operations

Author(s): R Guensler

Annual Conference: 1990, Vol. 7

Paper ID: 90-106.3

Determination of Volatile Organic Compound Capture Efficiency for Automotive Plastic and Flexographic Coating Processes

Author(s): RE Kalweit, AS Naszradi, MR Wherrett

Annual Conference: 1990, Vol. 7

Paper ID: 90-106.4

Thermal Destruction of Air Toxic Voc's Using Packed Bed Technology

Author(s): JB Wilcox, FJ Agardy Annual Conference: 1990, Vol. 7

Paper ID: 90-106.6

Toluene Diisocyanate (TDI) Emissions: An Elevation of Monitoring Methods and Filtration Substrate for Stacks

Author(s): LS Coyne, G Moore Annual Conference: 1990, Vol. 7

Paper ID: 90-106.7

An Assessment of "Top-Down" Bact for NOx Emissions from Oil Field Steam Generators and Observations

Author(s): P Brinkmann, JH Friday, JS Seinfeld

Annual Conference: 1990, Vol. 7

Paper ID: 90-107.1

The Legal Requirements for Air Pollution Control Technology that Electric Utilities Must Meet Under H.R.3030

Author(s): LML Teague

Annual Conference: 1990, Vol. 7

Paper ID: 90-108.2

The Status of Clean Coal RD&D

Author(s): FH Feibus, M Perlsweig, J Temchin

Annual Conference: 1990, Vol. 7

Paper ID: 90-108.3

Latest Developments in Air Pollution Control at Power Stations in Europe

Author(s): O Rentz

Annual Conference: 1990, Vol. 7

Paper ID: 90-108.4

The Application of Corona Destruction as a Method to Control Volatile Organic Compounds

 $\hbox{Author(s): GH Ramsey, N Plaks, WH Ponder, BE Daniel, LE}$

Hamel

Annual Conference: 1990, Vol. 7

Paper ID: 90-109.2

Evaluation of Innovative Volatile Organic Compound and Hazardous Air Pollutant Control Technologies for U.S. Air Force Paint Spray Booths

Author(s): DH Ritts

Annual Conference: 1990, Vol. 7

Paper ID: 90-109.3

Supercritical Fluid Spray Application Technology: A Pollution Prevention Technology for the Future

Author(s): DC Busby, CW Glancy, KL Hoy, AC Kuo, C Lee,

KA Nielsen

Annual Conference: 1990, Vol. 7

Paper ID: 90-109.5

Risk Management of Leaks from Underground Storage Tanks

Author(s): FK Selker, DS Wilson, EV Niemeyer, J Shefchek

Annual Conference: 1990, Vol. 1

Paper ID: 90-11.1

Controlling Toxic Chemical Emissions from Petroleum Storage Tank Degassing and Sludge Removal

Author(s): JM Beath, CB Bailey, DB Price, JP Sievert

Annual Conference: 1990, Vol. 1

Paper ID: 90-11.3

Soil Gas Contaminant Investigations as a Preliminary Investigation Tool at Sites with Leaking Underground Storage Tanks

Author(s): OD Evans

Annual Conference: 1990, Vol. 1

Paper ID: 90-11.4

Innovative Closure of Hazardous Waste Evaporation Ponds

Author(s): CAJ Schleyer, DL Barnes Annual Conference: 1990, Vol. 1

Paper ID: 90-11.5

Practical Considerations in the Removal and Installation of Underground Storage Tanks

Author(s): KR Stoker

Annual Conference: 1990, Vol. 1

Paper ID: 90-11.6

Experimental Study and Modeling of SO Removal in a Circulating Fluidized Bed Absorber by NaHCO Sorbent

Author(s): XL Jiang, TC Keener, SJ Khang, JM Hao

Annual Conference: 1990, Vol. 7

Paper ID: 90-110.2

A Novel Coal Feeder for the Production of Low Sulfur Fuel

Author(s): XL Yu, TC Keener Annual Conference: 1990, Vol. 7

Paper ID: 90-110.3

Status of Retrofit Projects for the U.S. Clean Coal Technology Program

Author(s): JP Strakey, RR Santore, JA Ruether, EW Evans

Annual Conference: 1990, Vol. 7

Paper ID: 90-110.4

Expanding the Range of Application of Duct Sorbent Injection

Author(s): CD Harrison, DJ Akers, LN Rubow

Annual Conference: 1990, Vol. 7

Paper ID: 90-110.5

The Form and Function of the Secondary Ozone Standard

Author(s): VC Runeckles Annual Conference: 1990, Vol. 7

Paper ID: 90-113.1

Relationships Among Alternative Formulations of an Ozone NAAQS

Author(s): T McCurdy

Annual Conference: 1990, Vol. 7

Paper ID: 90-113.2

Rethinking The Ozone Standard

Author(s): D Fairley, CL Blanchard Annual Conference: 1990, Vol. 7

Paper ID: 90-113.3

Issues on the Ozone Air Quality Standard

Author(s): DP Chock

Annual Conference: 1990, Vol. 7

Paper ID: 90-113.4

An Overview of the RCRA Closure Process

Author(s): JE Krause

Annual Conference: 1990, Vol. 1

Paper ID: 90-12.1

Estimating Childhood Multi-Media Lead Exposure: Expanded/Uptake/Biokinetic Model

Author(s): J Cohen, A Marcus, R Elias

Annual Conference: 1990, Vol. 1

Paper ID: 90-12.2

Decision Making in Implementing RCRA Corrective Action

Author(s): PT Woodyard Annual Conference: 1990, Vol. 1

Paper ID: 90-12.4

The Use of Equilibrium Partitioning Analysis to Derive Source Remediation Objectives

Author(s): R Hergenroeder Annual Conference: 1990, Vol. 1

Paper ID: 90-12.5

Elements of the Proposed Revised Hazard Ranking System

Author(s): FT Price, RD Brown, S Caldwell

Annual Conference: 1990, Vol. 1

Paper ID: 90-12.6

Decision and Risk Analysis for Environmental Remediation Work

Author(s): KG Angell

Annual Conference: 1990, Vol. 1

Paper ID: 90-12.8

Use of a Multi-Media Database for Chemical Emission Studies of Conventional Power Systems

Author(s): GP Behrens, W Chow Annual Conference: 1990, Vol. 7

Paper ID: 90-131.1

A Probabilistic Approach to Multimedia Environmental Management

Author(s): ES Rubin, JS Salmento, W Chow

Annual Conference: 1990, Vol. 7

Paper ID: 90-131.2

A Multimedia Environmental Assessment from a Large Biomedical Research Facility

Author(s): RR Boyd, LO Edwards, JL Balzer, CE Schmidt

Annual Conference: 1990, Vol. 7

Paper ID: 90-131.3

A New Perspective to Commercializing Environmental Technologies

Author(s): JW Adams

Annual Conference: 1990, Vol. 7

Paper ID: 90-131.4

Legislative Strategies for Pollution Prevention

Author(s): RL Kerr

Annual Conference: 1990, Vol. 7

Paper ID: 90-131.5

Self-Inspection Programs: Corporate and Regulatory

Author(s): AM Fritzsche Annual Conference: 1990, Vol. 7

Paper ID: 90-132.1

An Environmental Audit of Ambient Air Quality Along the Texas-Mexico Border

Author(s): J Shields

Annual Conference: 1990, Vol. 7

Paper ID: 90-132.4

Programs that Enhance the Environmental Auditing Profession

Author(s): J Palmisano

Annual Conference: 1990, Vol. 7

Paper ID: 90-132.5

Air Pollution from Mobile Sources in the Metropolitan Area of Mexico City (ZMCM)

Author(s): ME Espinosa, L Medina Annual Conference: 1990, Vol. 7

Paper ID: 90-135.1

Risk Assessment/Risk Management of Motor Vehicle Emissions

Author(s): MP Walsh

Annual Conference: 1990, Vol. 7

Paper ID: 90-135.12

Fluid Bed Combustion, Combined with Thermal Drying and Multi-Stage Scrubbing Meets German Regulatory Requirements for Sludge Disposal

Author(s): KS Feindler

Annual Conference: 1990, Vol. 7

Paper ID: 90-135.13

Air Pollution Trends in Mexico City, TSP (1976-1984)

Author(s): v Fuentes-Gea, A Garci-Gutierrez

Annual Conference: 1990, Vol. 7

Paper ID: 90-135.2

Urban Air Pollution in Latin America and the Caribbean

Author(s): I Romieu, H Weitzenfeld, J Finkelman

Annual Conference: 1990, Vol. 7

Paper ID: 90-135.3

Study of the Horizontal Sulfur Dioxide Concentration on the Metropolitan Zone of the Mexico City

Author(s): H Bravo A., R Sosa E., R Torres J.

Annual Conference: 1990, Vol. 7

Paper ID: 90-135.4

The EL Paso--Ciudad Juarez Air Quality Study

Author(s): JW Yarbrough, M Kemp, DA Parrish, JL McElroy,

G Dorosz, WF Hunt

Annual Conference: 1990, Vol. 7

Paper ID: 90-135.5

Industrial Risk Management in India-Role of Human Factor

Author(s): JM Dave

Annual Conference: 1990, Vol. 7

Paper ID: 90-135.6

Software Tools for Process Analysis and Waste Minimization Activity

Author(s): HD Williams, cw Cross, JT Swartzbaugh

Annual Conference: 1990, Vol. 7

Paper ID: 90-137.1

Emerg: An Expert System to Develop Emergency Responses to Hazardous Material Spills

Author(s): P Biswas, WY Lin Annual Conference: 1990, Vol. 7

Paper ID: 90-137.2

Strat2--A Microcomputer System for the Evaluation of Emission Control Strategies

Author(s): JE Grisinger

Annual Conference: 1990, Vol. 7

Paper ID: 90-137.4

A dBase III Plus Program to Calculate SCC Specific Weighted Mean PM Control Efficiencies

Author(s): WR Barnard, PM Carlson Annual Conference: 1990, Vol. 7

Paper ID: 90-137.5

Environmental Informatics: Implementation Through the Voyager Data Exploration Software

Author(s): RB Husar, T Oberman, EA Hutchins

Annual Conference: 1990, Vol. 7

Paper ID: 90-137.6

Tier II Metals Evaluations with a Spreadsheet Based System

Author(s): PS Farber

Annual Conference: 1990, Vol. 7

Paper ID: 90-137.9

Preliminary Selection of Refrigerants for Dual-Circuit and Lorenz Refrigerator/Freezers

Author(s): JC Bare

Annual Conference: 1990, Vol. 7

Paper ID: 90-138.2

Success of EPA's Stratospheric Ozone Engineering Research

Author(s): WJ Rhodes

Annual Conference: 1990, Vol. 7

Paper ID: 90-138.3

Recycle and Disposal Options for CFCs and Halons

Author(s): DL Harmon, WJ Rhodes Annual Conference: 1990, Vol. 7

Paper ID: 90-138.4

Reduction of CFC Usage in U.S. Exempted and Excluded Aerosols

Author(s): ND Smith

Annual Conference: 1990, Vol. 7

Paper ID: 90-138.5

A Review of the Role of Temperate Forests in the Globals CO Exchange

Author(s): RC Musselman, DG Fox Annual Conference: 1990, Vol. 7

Paper ID: 90-139.1

Recovering CO From Large and Medium-Size Stationary Combustors

Author(s): AM Wolsky, EJ Daniels, BJ Jody

Annual Conference: 1990, Vol. 7

Paper ID: 90-139.3

Sources of Methane in China: Rice Fields, Biogas Pits, Cattle Urban Areas and Wetlands

Author(s): MAK Khalil, RA Rasmussen, MX Wang, L Ren

Annual Conference: 1990, Vol. 7

Paper ID: 90-139.5

In Situ Vitrification of Mercury, Arsenic, Organo-Chlorine Pesticides and PCB-Bering Waste

Author(s): DM Timmons Annual Conference: 1990, Vol. 1

Paper ID: 90-14.1

Integrated Zero-Emission Groundwater and Soil Remediation Facility at Lockheed, Burbank

Author(s): R Derammelaere, R Helgerson

Annual Conference: 1990, Vol. 1

Paper ID: 90-14.10

Full Scale Vacuum Extraction Remediation-Michigan Superfund Site

Author(s): E Malmanis, R McClenahan Annual Conference: 1990, Vol. 1

Paper ID: 90-14.11

An Overview of the Soliditech, Inc. Site Demonstration

Author(s): KG Partymiller, DR Jackson, WE Grube, Jr.

Annual Conference: 1990, Vol. 1

Paper ID: 90-14.2

Physical and Morphological Measures of Waste Solidification Effectiveness

Author(s): WE Grube, Jr. Annual Conference: 1990, Vol. 1

Paper ID: 90-14.3

Demonstration of In-Situ Steam/Hot Stripping Technology

Author(s): PR de Percin

Annual Conference: 1990, Vol. 1

Paper ID: 90-14.5

Solvent Extraction of Soils Contaminated with Organic and Inorganic Compounds

Author(s): DM Wroblewski, DD Brayack, CD DeBiase

Annual Conference: 1990, Vol. 1

Paper ID: 90-14.6

Metals Recovery as a Cost Effective Hazardous Waste Remediation Technique

Author(s): JR Donnelly, PJ Hall Annual Conference: 1990, Vol. 1

Paper ID: 90-14.7

Cost Effects of Permissible Exposure Limits for Air Emissions from Groundwater Treatment Systems

Author(s): VG Collier-Vick Annual Conference: 1990, Vol. 1

Paper ID: 90-14.8

Hydrogen The Clean Fuel of tomorrow is Available Today

Author(s): DE Bruderly

Annual Conference: 1990, Vol. 7

Paper ID: 90-141.1

The National Academy of Sciences Study of Policy Implications of Greenhouse Warming

Author(s): DD Stine, R Coppock Annual Conference: 1990, Vol. 7

Paper ID: 90-141.2

Global Climate Change Demands a Vastly Different Management Approach

Author(s): FD Muschett

Annual Conference: 1990, Vol. 7

Paper ID: 90-141.3

State Responses to the Threat of Global Warming: A Review of Policy and Legislation

Author(s): RW Riggs

Annual Conference: 1990, Vol. 7

Paper ID: 90-141.4

Coal and the Greenhouse Issue

Author(s): KM Sullivan

Annual Conference: 1990, Vol. 7

Paper ID: 90-141.5

Implications of the Formation of Cloud Condensation Nuclei from Gaseous Precursors

Author(s): A Williams

Annual Conference: 1990, Vol. 7

Paper ID: 90-144.2

Potential Effects of Global Warming on Mixing Height and Wind Speed-Implications for Dispersion Conditions

Author(s): NA Nielsen, RC Eckles, LL Gautney

Annual Conference: 1990, Vol. 7

Paper ID: 90-144.3

Global Climate--Electric Utility Industry Considerations

Author(s): RM Perhac

Annual Conference: 1990, Vol. 7

Paper ID: 90-144.4

Peculiarities of Submicron Aerosol (Aitken Nuclei) Distribution Around the Tropopause

Author(s): J Podzimek

Annual Conference: 1990, Vol. 7

Paper ID: 90-144.5

Greenhouse Gas Limitation Requires Utility Industry Adaptation

Author(s): FD Muschett

Annual Conference: 1990, Vol. 7

Paper ID: 90-144.6

Screens, Sieves and Generators: Regional Climate Scenarios for Utility Assessments

Author(s): M Gibbs, L Levin Annual Conference: 1990, Vol. 7

Paper ID: 90-144.7

Lung Injury Caused By Acid Aerosol The Role of Sulfuric Acid as a Surface Layer

Author(s): LC Chen, MO Amdur Annual Conference: 1990, Vol. 7

Paper ID: 90-146.1

Gas-Particle Interaction

Author(s): JA Last

Annual Conference: 1990, Vol. 7

Paper ID: 90-146.2

Aspects of Atmospheric Chemistry Related to Investigations of Airborne Acidity and its Health Effects

Author(s): JM Waldman

Annual Conference: 1990, Vol. 7

Paper ID: 90-146.4

Indices of Atmospheric Acidity: Spatial and Temporal Relationships

Author(s): FW Lipfert, RE Wyzga Annual Conference: 1990, Vol. 7

Paper ID: 90-146.5

Acute and Subchronic Effects of Inhaled Fine Particles in Ozone-Containing Atomspheres on Pulmonary Macrophages and Respiratory Tract Epithelia

Author(s): MT Kleinman, DK Bhalla, B Ziegler, S Bucher-

Evans, R Walters, T McClure Annual Conference: 1990, Vol. 7

Paper ID: 90-146.6

Effect of Nitrogen Dioxide on Host Defense Mechanisms

Author(s): DE Gardner

Annual Conference: 1990, Vol. 8

Paper ID: 90-147.1

Modeling the Uptake of NO in The Lower Respiratory Tracts of Humans and Laboratory Animals: Present Status and Future Needs

Author(s): JH Overton, RC Graham Annual Conference: 1990, Vol. 8

Paper ID: 90-147.2

Effects of Inhaled Nitrogen Dioxide on Respiratory

Function: Controlled Clinical Studies
Author(s): MJ Utell, PE Morrow, MA Bauer

Annual Conference: 1990, Vol. 8

Paper ID: 90-147.3

Effects of Exposure to Ambient Levels of NO: Is Host Defense Altered in Humans?

Author(s): MW Frampton, NJ Roberts, JN Finkelstein, PE

Morrow, MJ Utell

Annual Conference: 1990, Vol. 8

Paper ID: 90-147.4

Critical Health Issues Associated with the Review of the Scientific Criteria for Oxides of Nitrogen

Author(s): DJ Kotchmar, BM Comfort, RW Elias, JHB

Garner, BE Tilton, LD Grant Annual Conference: 1990, Vol. 8

Paper ID: 90-147.5

Epidemiological Approaches for Assessing the Health Effects of NO

Author(s): JM Samet

Annual Conference: 1990, Vol. 8

Paper ID: 90-147.6

Exposure and Health Risk Assessment for Gasoline and Gasoline Vapors

Author(s): PH Guldberg, MM Round Annual Conference: 1990, Vol. 8

Paper ID: 90-149.2

Helicopter Fume Entrainment Evaluation

Author(s): RL Petersen, MA Ratcliff, C Wisner

Annual Conference: 1990, Vol. 8

Paper ID: 90-149.3

Benzene Emissions from In-Use General Motors Vehicles

Author(s): JM Dasch, RL Williams Annual Conference: 1990, Vol. 8

Paper ID: 90-149.4

Lessons Learned from the U.S. Environmental Protection Agency's Kanawha Valley Studies of Toxic Air Pollutants

Author(s): DA Sullivan

Annual Conference: 1990, Vol. 8

Paper ID: 90-149.5

Exposures, Risks and Sources Associated with Air Toxics: Results from Recent EPA Studies of Exposure to Volatile Organic Chemicals

Author(s): LA Wallace

Annual Conference: 1990, Vol. 8

Paper ID: 90-149.7

Soil and Groundwater Remediation-A Case Study

Author(s): KA Khan, H Cruse Annual Conference: 1990, Vol. 1

Paper ID: 90-15.3

Results of Pilot-Scale Treatment of PCB Contaminated Soils Using B.E.S.T. Solvent Extraction

Author(s): LC Robbins

Annual Conference: 1990, Vol. 1

Paper ID: 90-15.4

Remedial Alternatives for Virgin Petroleum Contaminated Soils

Author(s): AJ Porras

Annual Conference: 1990, Vol. 1

Paper ID: 90-15.5

Estimation of Ozone Exposure in Houston Using a Probabilistic Version of NEM

Author(s): TR Johnson, RA Paul, JE Capel, T McCurdy

Annual Conference: 1990, Vol. 8

Paper ID: 90-150.1

Prolonged Exposure of Humans to 0.10 and 0.08 PPM Ozone Results in Inflammation in the Lung

Author(s): REB Devlin, WF McDonnell, HS Koren

Annual Conference: 1990, Vol. 8

Paper ID: 90-150.2

Ozone Exposure and Lung Function in Children Attending a Southern California Summer Camp

Author(s): EA Avol, SC Trim, DE Little, CE Spier, MN Smith, RC Peng, WS Linn, JD Hackney, KB Gross, JB

D'Arcy, D Gibbons, ITT Higgins Annual Conference: 1990, Vol. 8

Paper ID: 90-150.3

Health Effects of Ambient Ozone on Healthy Children at a Summer Camp

Author(s): DM Spektor, M Lippmann Annual Conference: 1990, Vol. 8

Paper ID: 90-150.5

Recent Epidemiological Findings on Morbidity and Mortality Effects of Ozone

Author(s): H Ozkaynak, PL Kinney, B Burbank

Annual Conference: 1990, Vol. 8

Paper ID: 90-150.6

Chronic Lung Injury risk Assessment for Ozone

Author(s): TS Wallsten, HM Richmond, RG Whitfield, AS

Rosenbaum, SR Hayes, RL Winkler Annual Conference: 1990, Vol. 8

Paper ID: 90-150.7

Influence of More CO on Crops

Author(s): HH Rogers, RC Dahlman Annual Conference: 1990, Vol. 8

Paper ID: 90-151.1

Greenhouse Warming and Agriculture

Author(s): WL Decker, VR Achununi Annual Conference: 1990, Vol. 8

Paper ID: 90-151.2

Effects of Tropospheric Ozone on Plants in the Context of Climate Change

Author(s): BH Marie, DP Ormrod Annual Conference: 1990, Vol. 8

Paper ID: 90-151.3

Ozone Depletion, Ultraviolet Light and Plants

Author(s): AH Teramura

Annual Conference: 1990, Vol. 8

Paper ID: 90-151.4

Effects of Global Climate Change: Tropospheric Ozone and

Forest Responses

Author(s): RN Kickert, SV Krupa Annual Conference: 1990, Vol. 8

Paper ID: 90-152.1

Effects of Increased CO on Forest Response

Author(s): JH Shinn

Annual Conference: 1990, Vol. 8

Paper ID: 90-152.2

Effects of Increased UV-B Radiation on Forest Responses

Author(s): RH Biggs

Annual Conference: 1990, Vol. 8

Paper ID: 90-152.3

Climate Change in the Context of Forest Response

Author(s): JP Lodge, Jr.

Annual Conference: 1990, Vol. 8

Paper ID: 90-152.4

Environmental Geotechnology Approach for Evaluation of Radon Gas

Author(s): HY Fang

Annual Conference: 1990, Vol. 8

Paper ID: 90-153.10

Towards a Multi-Media Environmental Evaluation of Pollution Prevention Options

Author(s): R van Berkel, M Crul Annual Conference: 1990, Vol. 8

Paper ID: 90-153.3

Adsorption of H S by Impregnated Activated Carbon

Author(s): FT Jeng, C Yen Annual Conference: 1990, Vol. 8

Paper ID: 90-153.4

Treatment of NH and HS Mixture Gas By Sorption

Author(s): JH Tsai, FT Jeng, SH Yen Annual Conference: 1990, Vol. 8

Paper ID: 90-153.5

Multimedia Approach to Estimating Target Cleanup Levels for Soils at Hazardous Waste Sites

Author(s): ST Hwang

Annual Conference: 1990, Vol. 8

Paper ID: 90-153.6

A Consideration on Preventive Measures Against Nitrogen Oxides in Japan

Author(s): K Shiozawa, S Olamoto Annual Conference: 1990, Vol. 8

Paper ID: 90-153.9

Can Regulatory Institutions Cope with Cross Media Pollution?

Author(s): RW Hahn, EH Males Annual Conference: 1990, Vol. 8

Paper ID: 90-155.1

European Experiences with Incentive Mechanisms

Author(s): RC Anderson

Annual Conference: 1990, Vol. 8

Paper ID: 90-155.3

Market-Based Environmental Regulation: A New Era from an Old Idea?

Author(s): RW Hahn, RN Stavins Annual Conference: 1990, Vol. 8

Paper ID: 90-155.7

Three Misconceptions About Emission Trading

Author(s): AP Loeb

Annual Conference: 1990, Vol. 8

Paper ID: 90-155.8

A Simplified Approach for Screening Highway Traffic Noise

Author(s): MJ Barboza, SP Carpenter Annual Conference: 1990, Vol. 8

Paper ID: 90-156.1

Noise Barrier Insertion Loss: A Case Study in an Urban Area

Author(s): RD O'Neal

Annual Conference: 1990, Vol. 8

Paper ID: 90-156.3

Predicting Traffic-Related Community Noise Levels

Author(s): AE Marshall, SK Thomas Annual Conference: 1990, Vol. 8

Paper ID: 90-156.4

The Status of key State and Local Noise Control Programs that Served as a Basis for Discontinuing a Federal Program in 1982

Author(s): JJ Soporowski, III Annual Conference: 1990, Vol. 8

Paper ID: 90-156.5

Predicting Atmospherical Effects on Traffic Noise **Propagation**

Author(s): RL Wayson

Annual Conference: 1990, Vol. 8

Paper ID: 90-156.6

Engineers and Planners as Activists in Combating Noise

Author(s): AK Bronzaft

Annual Conference: 1990, Vol. 8

Paper ID: 90-156.8

Regulatory Strategies for the Control of Toxic Air Emissions

Author(s): CB Potash, EG Suchman Annual Conference: 1990, Vol. 8

Paper ID: 90-158.1

Sara Title II Section 313 Emission Estimate Methods Used for a Petroleum Refinery

Author(s): MA Porto, TG Rhodes Annual Conference: 1990, Vol. 8

Paper ID: 90-158.11

Section 313 Reporting Form R--Understanding the Requirements and Avoiding Errors

Author(s): JC Bolstridge Annual Conference: 1990, Vol. 8

Paper ID: 90-158.12

Explaining Facility Releases: Routine Operations Versus Accidents

Author(s): CJ Keyworth Annual Conference: 1990, Vol. 8 Paper ID: 90-158.2

Toxic Chemical Release Estimation Techniques Used at an Electronics Manufacturing Facility--A Material Balance Approach

Author(s): M Traister, DJ DeGirolamo Annual Conference: 1990, Vol. 8

Paper ID: 90-158.3

EPA'S Quality Assurance for the Toxic Release Inventory

Author(s): KA Franklin

Annual Conference: 1990, Vol. 8

Paper ID: 90-158.5

Assessment of Data Quality in the 1987 Toxic Release Inventory (TRI) Database: Site Visit Program

Author(s): MT McAdams, L Longanecker

Annual Conference: 1990, Vol. 8

Paper ID: 90-158.6

Section 313: One Company's Experience

Author(s): JI Whitfield

Annual Conference: 1990, Vol. 8

Paper ID: 90-158.7

Making Assumptions in Health Risk Assessments

Author(s): WM Smith, RR Boyd, JW Embree, JL Balzer

Annual Conference: 1990, Vol. 8

Paper ID: 90-159.1

The Utility of Environmental Inventory Questionnaires to Classify Exposures for Health Risk Assessment

Author(s): JJ Quackenboss, KD Johnson, MD Lebowitz

Annual Conference: 1990, Vol. 8

Paper ID: 90-159.4

Concerns Regarding the Application of Air Toxics Risk Assessments to Regulatory Decision-Making

Author(s): RV Crume, MJ Caldwell Annual Conference: 1990, Vol. 8

Paper ID: 90-159.5

Biological Markers of Human Exposure

Author(s): CH Nauman, JN Blancato Annual Conference: 1990, Vol. 8

Paper ID: 90-159.8

Cancer Risks from 35 Organic Chemicals in Air and Drinking Water: Results from EPA'S Team Studies of VOCs and Pesticides

Author(s): LA Wallace

Annual Conference: 1990, Vol. 8

Paper ID: 90-159-9

Sara Mandated Timelines May Force Less Than Cost-Effective Clean-Up of Cercla Sites at DOD Facilities

Author(s): EY Baladi, JK Yu Annual Conference: 1990, Vol. 1

Paper ID: 90-16.1

Environmental Release Reporting Under New Jersey's Community Right to Know Program

Author(s): AJ Opperman Annual Conference: 1990, Vol. 8

Paper ID: 90-160.10

Stage 1 and 11 Vapor Recovery Installation and Compliance Inspections

Author(s): RL Fricker

Annual Conference: 1990, Vol. 8

Paper ID: 90-160.11

New Jersey's New Pilot Plant Permit Procedure

Author(s): JL Held, RL Langbein Annual Conference: 1990, Vol. 8

Paper ID: 90-160.2

Gasoline Vapor Recovery Certification

Author(s): LM McKinney Annual Conference: 1990, Vol. 8

Paper ID: 90-160.4

CMA'S Plant Organizational Software System for Equipment Emissions-An Update

Author(s): BC Davis, K Fidler Annual Conference: 1990, Vol. 8

Paper ID: 90-160.5

Refinements in Computer-Aided Estimation of Air Pollution Emission Rates (AIRCALC) From Common Industrial Processes

Author(s): M Karell, D Bradley, N Buono, R Li

Annual Conference: 1990, Vol. 8

Paper ID: 90-160.6

An Air Emission Inventory for the 21st Century

Author(s): WF Buchholtz, JP O'Brien Annual Conference: 1990, Vol. 8

Paper ID: 90-160.7

Reducing Fugitive Emissions Using Total Quality Control (TQC) Concepts

Author(s): RL Berglund

Annual Conference: 1990, Vol. 8

Paper ID: 90-160.9

Detection of Organic Vapors Permeating Buildings from Groundwater

Author(s): AD Schatz, DG Smith Annual Conference: 1990, Vol. 8

Paper ID: 90-161.1

Guidance for Applying the Data Quality Objectives Process for Ambient Air Monitoring Around Superfund Sites

Author(s): F Smith, MJ Leonard Annual Conference: 1990, Vol. 8

Paper ID: 90-161.2

Air Emissions from Codisposal and Municipal Solid Waste Landfills

Author(s): I Kuo, R Howie, J Crenshaw, AA Pope

Annual Conference: 1990, Vol. 8

Paper ID: 90-161.4

Soil Vapor Extraction, An Air Pollution Source

Author(s): MK Sink, N Huey Annual Conference: 1990, Vol. 8

Paper ID: 90-161.5

Estimation of VOC Emissions from Soils Handling Operations at Superfund Sites

Author(s): B Eklund, D Ranum, D Orr, J Summerhays

Annual Conference: 1990, Vol. 8

Paper ID: 90-161.6

Design of Air Strippers and Emission Controls

Author(s): AS Damie, TN Rogers, JF Durham

Annual Conference: 1990, Vol. 8

Paper ID: 90-161.7

The Use of the Taga 6000E Direct Air Sampling Mass Spectrometer/Mass Spectrometer and Adsorbent Tubes to Sample Indoor Air in the Vicinity of a Superfund Site

Author(s): TH Pritchett, WA Smith, D Mickunas

Annual Conference: 1990, Vol. 8

Paper ID: 90-161.8

Quantification of Risk to Individuals and the Population from Potential Chemical Releases

 $\hbox{Author(s): MT Mills}$

Annual Conference: 1990, Vol. 9

Paper ID: 90-162.4

Heavy Gas Dispersion in Terrain with Obstacles

Author(s): MC Murphy, KC Heidorn, J Xie, PA Irwin, AE

Davies

Annual Conference: 1990, Vol. 9

Paper ID: 90-164.1

The Prevention Reference Manual: A Systematic Approach to Accidental Release Prevention and Mitigation

Author(s): GB DeWolf, DS Davis Annual Conference: 1990, Vol. 9

Paper ID: 90-164.2

Vapor Barrier Assessment Program for Delaying and Diluting Heavier-Than-Air HF Vapor Clouds-A Wind Tunnel Modeling Evaluation

Author(s): RL Petersen, R Diener Annual Conference: 1990, Vol. 9

Paper ID: 90-164.3

Wind Tunnel Modeling for Evaluation Accidental Spills of Toxic Chemicals

Author(s): KL Petersen, KW Steinberg Annual Conference: 1990, Vol. 9

Paper ID: 90-164.4

Consequence Modeling-A Powerful Risk Reduction Tool for Existing Plants-A Case Study

Author(s): RR Iyer

Annual Conference: 1990, Vol. 9

Paper ID: 90-164.5

Summary Report: Industry Cooperative Hydrogen Fluoride (HF) Mitigation/Impact Assessment Program

Author(s): WJ Hague

Annual Conference: 1990, Vol. 9

Paper ID: 90-164.8

Problem Workbook in Accident and Emergency Management

Author(s): J Reynolds, L Theodore, RR Dupont, C Pratt

Annual Conference: 1990, Vol. 9

Paper ID: 90-164.9

Hazardous Waste Incinerator Monitoring Using Sulphur Hexafluoride

Author(s): DG Colley

Annual Conference: 1990, Vol. 9

Paper ID: 90-169.1

Incinerator Performance Post Trial Burn Importance of Monitors

Author(s): JJ Santoleri

Annual Conference: 1990, Vol. 9

Paper ID: 90-169.3

Combustion Process Control in Rotary Kiln Incinerators

Author(s): A Sugg

Annual Conference: 1990, Vol. 9

Paper ID: 90-169.4

Industry Experiences with Regional Air Monitoring

Author(s): AM Mason, L Bone Annual Conference: 1990, Vol. 9

Paper ID: 90-170.10

Relating Sara Title III Emissions to Community Exposure Through Ambient Air Quality Measurements

Author(s): WF Buchholtz, WL Crow Annual Conference: 1990, Vol. 9

Paper ID: 90-170.11

Passive Sampler for Benzene, Toluene and Xylene for Ambient Monitoring

Author(s): B Truessel, M Hangartner Annual Conference: 1990, Vol. 9

Paper ID: 90-170.13

1989 National Urban Air Toxics Monitoring Program

Author(s): J Rice, WH Moore, RA McAllister, EG Bowles

Annual Conference: 1990, Vol. 9

Paper ID: 90-170.14

Canister Based Sampling Systems-A Performance Evaluation

Author(s): DP Dayton, RF Jongleux, DA Brymer

Annual Conference: 1990, Vol. 9

Paper ID: 90-170.16

Practical Approaches for Sampling and Analysis of Ambient

Author(s): LW Sumansky Annual Conference: 1990, Vol. 9

Paper ID: 90-170.3

Practical Experience in Analysis of Organic Compounds in Ambient Air Using Canisters and Sorbents

Author(s): RG Merrill, DP Dayton, J Rice, RA McAllister, DE Wagoner, RF Jongleaux, JT Bursey, LD Ogle, WL Crow, SL

Sleva, VL Thompson, L Purdue, FF McElroy

Annual Conference: 1990, Vol. 9

Paper ID: 90-170.4

Baseline Emission Sampling and Evaluation at a Superfund Site

Author(s): EG Fiesinger, CK Cheng, L Militana

Annual Conference: 1990, Vol. 9

Paper ID: 90-170.5

Application of Piezoelectric Crystal Sorption Detector as Sensor for Monitoring and Control of Organic Vapours at Workplace

Author(s): YS Fung

Annual Conference: 1990, Vol. 9

Paper ID: 90-170.7

Characterization and Comparison of Nylon Membrane Filters Used for Collection of Ambient Nitric Acid Vapor

Author(s): MJ Costello, DA Lundgren Annual Conference: 1990, Vol. 9

Paper ID: 90-170.8

Automated and Diurnal Nonmethane Organic Compound Monitoring Program Sampling Study

Author(s): RA McAllister, J Rice Annual Conference: 1990, Vol. 9

Paper ID: 90-170.9

Purpose for Wildland Prescribed Fire and Alternative Methods

Author(s): WL McClease

Annual Conference: 1990, Vol. 9

Paper ID: 90-172.1

History of Wildland Burning in America from an Air Quality Perspective

Author(s): PN Omi

Annual Conference: 1990, Vol. 9

Paper ID: 90-172.5

The Economics of Prescribed Fire

Author(s): RA Chase

Annual Conference: 1990, Vol. 9

Paper ID: 90-172.6

Prescribed Burning-Public Policy Issues

Author(s): TG Pace

Annual Conference: 1990, Vol. 9

Paper ID: 90-172.7

Comparison of the SCAQS Tunnel Study with Historical Data

Author(s): WR Pierson, AW Gertler, RL Bradow

Annual Conference: 1990, Vol. 9

Paper ID: 90-175.3

The Potential of 1989 Light Duty Vehicle Engine and Drivetrain Technology to Reduce CO Emissions by Improving Fuel Efficiency

Author(s): DA Poyer, DJ Santini Annual Conference: 1990, Vol. 9

Paper ID: 90-175.6

A Simple Technique for Optimizing Automobile Engine Operation to Reduce Emission and Maintain Efficiency

Author(s): IS Al-Mutaz

Annual Conference: 1990, Vol. 9

Paper ID: 90-175.7

The Problems Associated with Permitting a 300-MW Cogeneration Facility

Author(s): DC Dicristofaro Annual Conference: 1990, Vol. 9

Paper ID: 90-176.1

Gas Turbine Cogeneration Unit PSD Bact Determination-A 1990 Case Study

Author(s): AL Moore-Staub, DN Blewitt, KL Johnson, DK

Stone

Annual Conference: 1990, Vol. 9

Paper ID: 90-176.2

Development of a Risk Based Clean-Up Standard for Phenol and Cumene

Author(s): TS Bingman

Annual Conference: 1990, Vol. 9

Paper ID: 90-179.1

Use of Risk-Based Evaluations in the RCRA Program

Author(s): KR Batsel

Annual Conference: 1990, Vol. 9

Paper ID: 90-179.4

Negotiating Environmental Compliance: A Local Perspective

Author(s): CP Veleta

Annual Conference: 1990, Vol. 9

Paper ID: 90-181.1

Comparing Risks of Waste Management Options

Author(s): RJF Bruins, NE Kowal Annual Conference: 1990, Vol. 9

Paper ID: 90-182.2

Health Risks of Alternative Methods of Municipal Solid Waste Disposal: A California Comparison

Author(s): AQ Eschenroeder, S Wolff, A Taylor, D Burmaster

Annual Conference: 1990, Vol. 9

Paper ID: 90-182.3

Public Health Evaluation and Environmental Assessment for the Berks Sand Pit Superfund Site

Author(s): TM Biksey

Annual Conference: 1990, Vol. 9

Paper ID: 90-182.4

Fine-Tuning Environmental Health Risk Assessments (HRAs) at Hazardous Waste Disposal Sites

Author(s): R Zimmerman Annual Conference: 1990, Vol. 9

Paper ID: 90-182.5

Role of Risk Assessment in the Selection of Remedial Alternatives

Author(s): PC Chrostowski, LF Pearsall Annual Conference: 1990, Vol. 9

Paper ID: 90-182.6

Responsible Environmental Communication

Author(s): BK Jensen, RA Jensen Annual Conference: 1990, Vol. 9

Paper ID: 90-185.1

Relative Toxicity of PCB Congeners

Author(s): KS Crump, AM Shipp Annual Conference: 1990, Vol. 9

Paper ID: 90-186.1

Uncertainty in Exposure and Health-Risk Assessment: An Integrated Approach

Author(s): TE McKone, KT Bogen Annual Conference: 1990, Vol. 9

Paper ID: 90-186.2

Uncertainties in Multipathway Risk Assessment

Author(s): K Zankel, J Gerritsen, J Lou, R Bower, J Teitt

Annual Conference: 1990, Vol. 9

Paper ID: 90-186.3

Human Interindividual Variability--A Major Source of Uncertainty in Assessing Risks for Non-Cancer Health Effects

Author(s): D Hattis, K Silver Annual Conference: 1990, Vol. 9

Paper ID: 90-186.4

Departures from the Default Procedures in Carcinogen Risk Assessment

Author(s): DW North

Annual Conference: 1990, Vol. 9

Paper ID: 90-186.5

The Effects of Acid Deposition and Ozone Forest Tree Species: Results of the Forest Response Program

Species: Results of the Forest Response Program
Author(s): GD Hertel, MB Adams, JE Barnard, CJ Brandt, C

Edgar, AR Kiester, BE Martin SA Mediarz, MW McFadden

C Palmer CE Peterson

Annual Conference: 1990, Vol. 9

Paper ID: 90-187.1

The Role of Air Pollutants Versus Other Stress Factors in South West Germany's Forest Decline: Some Relevant PEF Results

Author(s): F Horsch

Annual Conference: 1990, Vol. 9

Paper ID: 90-187.10

Growth and Physiological Responses of Loblolly Pine Exposed to Ozone and Simulated Acidic Rain in the Field

Author(s): AH Chappelka, BG Lockaby, RJ Mitchell, RS

Meldahl, JS Kush DN Jordan Annual Conference: 1990, Vol. 9

Paper ID: 90-187.5

Influence of Acidic Fog on Disease Epidemiology and Management of Disease in Agricultural Crops

Author(s): PM McCool, WE Martin, JL Sterrett

Annual Conference: 1990, Vol. 9

Paper ID: 90-187.6

Growth and Water Use Efficiency of Shortleaf Pine as Affected by Ozone and Acid Rain

Author(s): TW Boutton, RB Flagler Annual Conference: 1990, Vol. 9

Paper ID: 90-187.7

Development of a Program to Assess the Effects of Ozone on Vegetation in Class I Wilderness Areas in New Hampshire and Vermont

Author(s): WJ Manning, JD Bergman, GC Smith

Annual Conference: 1990, Vol. 9

Paper ID: 90-187.8

Impact of Ambient Air Pollution on Vegetable Crops

Author(s): MR Khan, MW Khan Annual Conference: 1990, Vol. 9

Paper ID: 90-187.9

Reducing Landfarm Emissions of Volative Hydrocarbons

Author(s): JR Coover

Annual Conference: 1990, Vol. 9

Paper ID: 90-188.1

Estimating Emissions from Land Treatment Facilities: A Case Study

Author(s): JR Coove, SL Walker Annual Conference: 1990, Vol. 9

Paper ID: 90-188.2

Monitoring of Air and Water Missions in Multi-Purpose Plants by Headspace GC-MS Technique

Author(s): AM Canela, U Gruntz, H Muehleisen

Annual Conference: 1990, Vol. 9

Paper ID: 90-188.3

Improved Hazardous Waste Incineration with Oxygen

Author(s): F Kuntz, G Gitman Annual Conference: 1990, Vol. 1

Paper ID: 90-19.3

Surviving RCRA: a Hazardous Waste Generator's Guide to Attaining Compliance

Author(s): KF Gashlin

Annual Conference: 1990, Vol. 1

Paper ID: 90-19.6

Remedial Investigation and Feasibility Study at the AT&SF Clovis Superfund Site

Author(s): R Ahmed, TP Wippold, DC Clark

Annual Conference: 1990, Vol. 1

Paper ID: 90-2.1

Clean-Up of the Petro-Processors of Louisiana Superfund Site

 $Author(s) \hbox{: LI Bone}$

Annual Conference: 1990, Vol. 1

Paper ID: 90-2.2

Biological Treatment of Organics Contaminated Water at a Remote Superfund Site

Author(s): JT Volanski, DG Olmstead, CP Varuntanya, AA

Spinola RJ McCarthy

Annual Conference: 1990, Vol. 1

Paper ID: 90-2.3

Management of a Multi Party Superfund Remediation Project at the Gems Site

Author(s): RG Kissell, Jr. Annual Conference: 1990, Vol. 1

Paper ID: 90-2.4

Superfund Voluntary Removal Action

Author(s): JW Vinzant

Annual Conference: 1990, Vol. 1

Paper ID: 90-2.5

Bioaugmentation Test Protocols for Engineering Aerobic Systems

Author(s): GE Belle, RV Herman, HH Tabak

Annual Conference: 1990, Vol. 1

Paper ID: 90-21.2

Evaluation and Testing of a Protocol to Determine the Aerobic Degradation Potential of Hazardous Waste Constituents in Soil

Author(s): SI Saffeman, JA Glaser, D Shelton

Annual Conference: 1990, Vol. 1

Paper ID: 90-21.4

Release of Volatile Hydrocarbons from Petroleum Contaminated Soils

Author(s): RL Islander, JS Devinney Annual Conference: 1990, Vol. 1

Paper ID: 90-21.5

Respirometric Multi-Level Biodegradation Testing Protocol and Methodology for Determining Biodegradation Kinetic Data

Author(s): HH Tabak, S Desai, R Govind

Annual Conference: 1990, Vol. 1

Paper ID: 90-21.6

Soil Bioremediation Treatability Studies

Author(s): KA Khan, R Krishnan, TF O'Gara, c Missirlian,

GD Runnells, PE Flathman Annual Conference: 1990, Vol. 1

Paper ID: 90-21.7

Implementation of the Field Demonstration for the Bioremediation of the Alaskan Oil Spill

Author(s): F Kremer, D Miller, D Heggman, J Baker

Annual Conference: 1990, Vol. 2

Paper ID: 90-22.1

The Role of Microorganisms in the Bioremediation of the Oil Spill In Prince William Sound, Alaska

Author(s): JE Rogers, R Araujo, PH Pritchard, HH Tabak

Annual Conference: 1990, Vol. 2

Paper ID: 90-22.2

Bioremediation Treatability Trials Using Nutrient Application to Enhance Cleanup of Oil-Contaminated Shoreline

Author(s): AD Venosa, JR Haines, JA Glaser, EJ Opatken, PH

Pritchard, C Costa

Annual Conference: 1990, Vol. 2

Paper ID: 90-22.3

Results of Environmental Monitoring in Prince William Sound Following Fertilizer Additions to Enhance Oil Degradation

Author(s): JR Clark, RB Coffin, JM Macauley, JR Hoff

Annual Conference: 1990, Vol. 2

Paper ID: 90-22.4

Nutrient Movement Through Beach Media: Problems and Field Results Application to Enhance Cleanup of Oil Contaminated Shoreline

Author(s): JR Haines, JA Glaser, SC McCutcheon

Annual Conference: 1990, Vol. 2

Paper ID: 90-22.5

Laboratory Studies Evaluation the Enhanced Biodegradation of Weathered Crude Oil Components Through the Application of Nutrients

Author(s): HH Tabak, si Safferman, AD Venosa, JA Glaser

Annual Conference: 1990, Vol. 2

Paper ID: 90-22.6

Application of Oxygen Microbubbles for Treatment of Contaminated Ground Water

Author(s): M Lotfi, DL Michelsen Annual Conference: 1990, Vol. 2

Paper ID: 90-24.1

In Situ Biological Treatment of Ethylene Glycol-Contaminated Ground Water and Soil at Navel Air Engineering Center, Lakehurst, New Jersey

Author(s): DE Jerger, PE Flatman Annual Conference: 1990, Vol. 2

Paper ID: 90-24.2

Advances in Air-Stripper Technology

Author(s): JH Wilson, RM Counce, SP Singh, AJ Lucero, CO

Thomas, RA Ashworth, MG Elliott Annual Conference: 1990, Vol. 2

Paper ID: 90-24.3

In Situ Removal in Organic Compounds from Groundwater

Author(s): JV Kinsella

Annual Conference: 1990, Vol. 2

Paper ID: 90-24.4

Commercial Applications of Ultrox Ultraviolet/Oxidation Technology at Municipal & Industrial Ground Water Superfund Sites

Author(s): JT Barich, JD Zeff Annual Conference: 1990, Vol. 2

Paper ID: 90-24.5

UV/Peroxidation Destroys Organics in Groundwater

Author(s): FE Bernardin, Jr. Annual Conference: 1990, Vol. 2

Paper ID: 90-24.6

Research into Activated Carbon Technology on Harmful Organic Substances, Heavy Metals and NOx Control

Author(s): R Shamekhi, H Petersen, WK Panknin

Annual Conference: 1990, Vol. 2

Paper ID: 90-25.1

NOx Control for Municipal Solid Waste Combustors

Author(s): JE Hoffman, BK Luftglass, WH Sun, FA Ferraro,

TJ Porter, R Pachaly

Annual Conference: 1990, Vol. 2

Paper ID: 90-25.2

Design Considerations for MSW Incinerator APC Systems Retrofit

Author(s): JR Donnelly

Annual Conference: 1990, Vol. 2

Paper ID: 90-25.3

SCR DeNox at the Munich South Waste Incinerator

Author(s): B Herrlander

Annual Conference: 1990, Vol. 2

Paper ID: 90-25.4

New Rules for Old Incinerators: The Dollars and Sense of Retrofit Regulations in New York State

Author(s): DW Ditz, J Zygmuntowicz Annual Conference: 1990, Vol. 2

Paper ID: 90-25.5

Testing for Medical Waste Incinerator Destruction Efficiency for Surrogate Indicator Microorganisms

Author(s): F Curtis

Annual Conference: 1990, Vol. 2

Paper ID: 90-26.2

Field Evaluation of THC CEMS at Hazardous Waste Incineration Facilities

Author(s): R Rollins, T Logan, MR Midgett, L Cone

Annual Conference: 1990, Vol. 2

Paper ID: 90-26.3

Summary of POHC Audit Results using VOST and Bag Methods During RCRA Trial Burns

Author(s): RKM Jayanty, SB Tompkins, DJ von Lehmden

Annual Conference: 1990, Vol. 2

Paper ID: 90-26.4

Compliance Testing at Municipal Solid Waste and Hazardous Waste Incinerators

Author(s): WS Smith, G Williams, T Wong, T Grosshandler

Annual Conference: 1990, Vol. 2

Paper ID: 90-26.5

Sampling and Analysis of Municipal Wastewater Sludge Incinerator Emissions for Metals, Metal Species, and Organics

Author(s): WG DeWees, CA Davis, SC McClintock, AL Cone

Annual Conference: 1990, Vol. 2

Paper ID: 90-26.7

Status of US EPA's Sludge Incineration Regulations

Author(s): EP Crumpler

Annual Conference: 1990, Vol. 2

Paper ID: 90-26.8

Start-Up and Testing of a Hospital Waste Incinerator

Author(s): RW Mineo, A Rosenthal Annual Conference: 1990, Vol. 2

Paper ID: 90-27.1

Best Controlled Technologies for Regional Biomedical Waste Incineration

Author(s): JD Lauber, DA Drum Annual Conference: 1990, Vol. 2

Paper ID: 90-27.2

Analysis of the State of California's Biomedical Waste Incinerator Database

Author(s): H Glasser, DPY Chang Annual Conference: 1990, Vol. 2

Paper ID: 90-27.3

A Comparison of Air Pollution Control Equipment for Hospital Waste Incinerators

Author(s): D Corbus

Annual Conference: 1990, Vol. 2

Paper ID: 90-27.4

Medical Waste Incineration in Australia

Author(s): MM Bulley

Annual Conference: 1990, Vol. 2

Paper ID: 90-27.5

Hazardous Waste Incinerator Permitting--An On-Site TSD Perspective

Author(s): SR Gossett

Annual Conference: 1990, Vol. 2

Paper ID: 90-28.1

Hazardous Waste Incinerating Past, Present and Future

Author(s): WB Philiphar Jr. Annual Conference: 1990, Vol. 2

Paper ID: 90-28.3

Supporting the Permitting Process

Author(s): T Barnell

Annual Conference: 1990, Vol. 2

Paper ID: 90-28.4

Rotary Kiln Incineration--The LSU In Situ Field Testing Program

Author(s): AM Sterling, VA Cundy, TW Lester, AN Montestruc, A Jakway, CB Leger, C Lu, R Conway

Annual Conference: 1990, Vol. 2

Paper ID: 90-29.2

Metallic Aerosol Emissions from Incinerators: Experimental and Theoretical Studies

Author(s): V Sethi, P Biswas Annual Conference: 1990, Vol. 2

Paper ID: 90-29.3

Organic Emissions from Hazardous Waste Cofiring in a Watertube Package Boiler Under Sooting Conditions

Author(s): GD Hinshaw, SW Klamm, GL Huffman, PCL Lin

Annual Conference: 1990, Vol. 2

Paper ID: 90-29.4

Emissions from a Cement Kiln Burning Hazardous Waste

Author(s): AR Trenholm, D Hlustick, ER Hansen

Annual Conference: 1990, Vol. 2

Paper ID: 90-29.5

Recent Experience with the EPA Multiple Metals Train on Hazardous Waste Incinerator Flue Gases

Author(s): TCJ Drygas III, LL Stoll, ML Hereth, MA

Palazzolo, S Garg

Annual Conference: 1990, Vol. 2

Paper ID: 90-29.6

Review of Mobile Thermal Technologies for Solid Waste Destruction

Author(s): CC Lee, GL Huffman, DA Oberacker

Annual Conference: 1990, Vol. 2

Paper ID: 90-29.7

Assessing Waste Storage and Transport Alternatives Based on Multiple Performance Measures

Author(s): GM Holter, MR Shay, DL Stiles

Annual Conference: 1990, Vol. 1

Paper ID: 90-3.1

Planning for Future Waste Storage and Transport Requirements

Author(s): GM Holter, MR Shay, DL Stiles

Annual Conference: 1990, Vol. 1

Paper ID: 90-3.3

Defense Waste Tank Storage at the Hanford Site

Author(s): AJ DiLiberto Annual Conference: 1990, Vol. 1

Paper ID: 90-3.6

Technology Considerations for the Sara Capacity Assurance Program

Author(s): GW Dawson Annual Conference: 1990, Vol. 1

Paper ID: 90-3.7

Design, Upgrading and Operation of Multiple Hearth and Fluidized Bed Sludge Incinerators to Meet New Emission Regulations

Author(s): FM Lewis, LA Lundberg Annual Conference: 1990, Vol. 2

Paper ID: 90-30.1

SSP Destruction of Sewage Sludge A Rapid Oxidation Process

Author(s): HJ de Zeeuw

Annual Conference: 1990, Vol. 2

Paper ID: 90-30.2

Sludge Drying and Pelletization Using Rotary Drum Technology

Author(s): RJ Larkin

Annual Conference: 1990, Vol. 2

Paper ID: 90-30.3

Thermal Fixation & Volume Reduction of Wastewater Treatment Plan Sludges

Author(s): BH Jones

Annual Conference: 1990, Vol. 2

Paper ID: 90-30.5

Air Emissions from Fluidized Bed Combustion of Sewage Sludge and Digester Gas

Author(s): RT Haug, SI Choti, RH Leatherwood, RL Tardini,

OR Moghaddam

Annual Conference: 1990, Vol. 2

Paper ID: 90-30.6

Pilot Plant Testing of a Wey Electrostatic Precipitator at the GCUA Fluid Bed Sludge Incinerator

Author(s): FW Natale, KC Callahan, GW Whalen

Annual Conference: 1990, Vol. 2

Paper ID: 90-30.7

Reduction of Metal Emissions from Sewage Sludge Incinerators with Wet Electrostatic Precipitators

Author(s): A Baturay, JM Bruno Annual Conference: 1990, Vol. 2

Paper ID: 90-30.8

Advances in Oxygen Combustion Technology for the Incineration of Hazardous Waste

Author(s): MD Ho

Annual Conference: 1990, Vol. 2

Paper ID: 90-31.2

The Effects of Proposed Environmental Regulation on Waste-To-Energy Facilities

Author(s): SW Clearwater, MJ Marchaterre

Annual Conference: 1990, Vol. 2

Paper ID: 90-31.5

Nitrogen Oxide (NOx) Emission Rates from Three Waste to Energy Plants Using Westinghouse O'Connor (Rotary) Combustors

Author(s): DS Beachler, NM Hirko, J Joseph, B Jones

Annual Conference: 1990, Vol. 2

Paper ID: 90-32.1

Urea Injection NOx Removal in European Coal-Fired Boilers and MSW Incineration Plants

Author(s): DG Jones, S Negrea, G Lautenschlager, G. Rose,

RA Smith, GH Shiomoto Annual Conference: 1990, Vol. 2

Paper ID: 90-32.3

Recent Operating Experiences of Air Pollution Control Systems at MSW Facilities

Author(s): EH Weaver

Annual Conference: 1990, Vol. 2

Paper ID: 90-32.4

Fugitive Particulate Emissions Associated with MSW Ash Handling Results of a Full Scale Field Program

Author(s): J Hahn, GT Hunt, RG Rumba, J Wadsworth

Annual Conference: 1990, Vol. 2

Paper ID: 90-32.7

Experience with Air Pollution Control Equipment on Hazardous Waste Incinerators

Author(s): AJ Buonicore

Annual Conference: 1990, Vol. 3

Paper ID: 90-33.2

Destruction of Polychlorinated Biphenyls in a Transportable Incineration Systems at Beardstown, Illinois

Author(s): LA Velazquez, GA Cifolelli

Annual Conference: 1990, Vol. 3

Paper ID: 90-33.4

Performance of a Commercial Hazardous Waste Incinerators Toxic Metal, Hydrochloric Acid and Fine Particulate Emission Control

Author(s): ML Hereth, MA Palazzolo, TC Drygas, S Garg

Annual Conference: 1990, Vol. 3

Paper ID: 90-33.5

The Basics of VOC Fume Incineration

Author(s): RJ McIIwee

Annual Conference: 1990, Vol. 3

Paper ID: 90-33.7

Economics of Expanded PTFE Membrane Filter Bags in a Municipal Solid Waste (MSW) Incinerator

Author(s): RE Gill

Annual Conference: 1990, Vol. 3

Paper ID: 90-33.8

Waste Minimization of Sodium Persulfate Solution in The Electronics Industry

Author(s): PR Seavry, M Traister Annual Conference: 1990, Vol. 3

Paper ID: 90-35.1

Hazardous Waste Minimization-A Risk-Assessment Approach Case Studies of Two Industrial Firms

Author(s): LD Duke

Annual Conference: 1990, Vol. 3

Paper ID: 90-35.2

Recent Situation of Waste Treatment Problems in Japanese National Universities

Author(s): S Suzuki, H Tatsumoto Annual Conference: 1990, Vol. 3

Paper ID: 90-35.4

Chemical Characterization of Power Plant Waste Streams

Author(s): ES Rubin, JS Salmento, W Chow

Annual Conference: 1990, Vol. 3

Paper ID: 90-37.1

Environmental Effects Assessment of Coal Ash Waste Utilization Sites

Author(s): JA Rehage, IP Murarka Annual Conference: 1990, Vol. 3

Paper ID: 90-37.2

Laboratory Characterization of Dry Sodium and Calcium In-Duct Injection By-Products

Author(s): AG Eklund, DM Golden Annual Conference: 1990, Vol. 3

Paper ID: 90-37.3

Characterization of Atmospheric Fluidized-Bed Combustion By-Products

Author(s): RD Achord, CM Thompson, DM Golden

Annual Conference: 1990, Vol. 3

Paper ID: 90-37.4

Wisconsin Electric's Ash Utilization Program

Author(s): TM Nechvatal, BW Ramme, DT Michaud, TR

Naik

Annual Conference: 1990, Vol. 3

Paper ID: 90-37.6

Department of Veterans Affairs Hospital Pollution Prevention in the Disposal Medical Supplies Wastestream

Author(s): KR Stone

Annual Conference: 1990, Vol. 3

Paper ID: 90-38.1

Relationship Between Waste Composition and Environmental Impact

Author(s): F Hasselriis

Annual Conference: 1990, Vol. 3

Paper ID: 90-38.2

The Use of Microimaging to Characterize Waste Incinerator By-Products

Author(s): M Leger, JR Schlaegle, GS Casuccio

Annual Conference: 1990, Vol. 3

Paper ID: 90-38.3

Toxic Products From Co-Combustion of Institutional Waste

Author(s): A Green, D Powell, J Street, D Williams, J Wagner, J Blake, D Clauson, B Green, HV Ravenswaay, C Schmidt,

K Awuma, S Mu, M Jackson, B Andrews

Annual Conference: 1990, Vol. 3

Paper ID: 90-38.4

Behavior of Metals in Medical Waste Incinerators

Author(s): RG Barton, WR Seeker Annual Conference: 1990, Vol. 3

Paper ID: 90-38.5

Results of Emissions and Ash Testing in Full-Scale Co-Combustion Tests of Binder-Enhanced Drdf Pellets and High-Sulfur Coal

Author(s): OO Ohisson, CD Livengood, KE Daugherty

Annual Conference: 1990, Vol. 3

Paper ID: 90-38.6

Coal Combustion Waste Disposal Design Factors Their Influence on Ground Water Impacts

Author(s): RP Aschenbrenner, GD Gumtz, JA Freitag

Annual Conference: 1990, Vol. 3

Paper ID: 90-40.1

Static Leaching of Solidified/stabilized Hazardous Waste from the Solidtech Process

Author(s): DL Bisson, DR Jackson, KR Williams, WE Grube

Annual Conference: 1990, Vol. 3

Paper ID: 90-40.3

Validation of Sampling and Analytical Data from a Coal Ash Disposal Site

Author(s): CM Thompson Annual Conference: 1990, Vol. 3

Paper ID: 90-40.4

Properties of Wastes from the Edgewater Coolside and Limb Process Demonstrations

Author(s): MM Wu, RA Winschel, GE Wasson, TC Jageman

Annual Conference: 1990, Vol. 3

Paper ID: 90-40.7

Coal Combustion By-Product Management Options

Author(s): PE Giogowski, AM DiGioia, Jr.

Annual Conference: 1990, Vol. 3

Paper ID: 90-40.8

The US EPA Pollution Prevention Research Program

Author(s): HM Freeman

Annual Conference: 1990, Vol. 3

Paper ID: 90-41.1

Measuring Pollution Prevention Progress: A Difficult Task

Author(s): JW Craig, C McComas, DM Benforado

Annual Conference: 1990, Vol. 3

Paper ID: 90-41.3

A Plan for Comprehensive Solid Waste Management

Author(s): J Snellen

Annual Conference: 1990, Vol. 3

Paper ID: 90-41.5

Waste Reduction-Methods Utilized to Make it Happen

Author(s): JA Lindsly

Annual Conference: 1990, Vol. 3

Paper ID: 90-41.6

Steel Can Recycling: One of Today's Environmental Solutions

Author(s): GL Crawford

Annual Conference: 1990, Vol. 3

Paper ID: 90-41.8

Aquatech Technology for Recovery of Ammonia from Spent Salt Effluents

Author(s): KN Mani

Annual Conference: 1990, Vol. 3

Paper ID: 90-43.5

Steam Stripping and Batch Distillation for the Removal and Recovery of Volatile Organic Compounds from Industrial Wastes

Author(s): SQ Hassan, DL Timberlake Annual Conference: 1990, Vol. 3

Paper ID: 90-43.6

On The Development of a Concentric Distillation Column for the Removal of Organics from Wastewater

Author(s): R Govind, E Balam, P Johnson, R Mango, S

Monig, S Wichman, G Ravishankar Annual Conference: 1990, Vol. 3

Paper ID: 90-43.7

Inventory Control: A New Waste Minimization Tool for Industry

Author(s): JS Hunter, Ill

Annual Conference: 1990, Vol. 3

Paper ID: 90-44.1

Nonhazardous Treatment of Chrome Sludge

Author(s): N Yu, WSM Ling, CT Liaw, TT Lin

Annual Conference: 1990, Vol. 3

Paper ID: 90-44.3

Pretreatment Programs in Transition: The Water Quality VS. Sludge Quality Dilemma

Author(s): B Tansel, AB Outwater Annual Conference: 1990, Vol. 3

Paper ID: 90-44.5

Technology Transfer for Small Volume Waste Generators

Author(s): RC Ahlert, DS Kosson Annual Conference: 1990, Vol. 3

Paper ID: 90-44.6

An Integrated Approach Waste Minimization

Author(s): GF Vajda, JC Stouch Annual Conference: 1990, Vol. 3

Paper ID: 90-44.7

Chemical Pretreatment of Distillation Residues from Organic Synthesis Processes

Author(s): M Zak

Annual Conference: 1990, Vol. 3

Paper ID: 90-44.8

Source Reduction and Recycling: Keys to Environmental Issues

Author(s): EA Fox

Annual Conference: 1990, Vol. 3

Paper ID: 90-45.2

Progress Report of Source Reduction Council of Coneg

Author(s): C Foley

Annual Conference: 1990, Vol. 3

Paper ID: 90-45.3

Plastic Waste and the Potential for Waste Minimization

Author(s): TR Curlee

Annual Conference: 1990, Vol. 3

Paper ID: 90-45.6

Rationale and Design of Environmentally Degradable Plastics Recycling Back to Nature

Author(s): R Narayan

Annual Conference: 1990, Vol. 3

Paper ID: 90-45.7

Pollution Prevention -- A Chemical Industry Perspective

Author(s): AM Mason

Annual Conference: 1990, Vol. 3

Paper ID: 90-46.1

Monsanto's Air Emissions Reduction Program

Author(s): CD Malloch

Annual Conference: 1990, Vol. 3

Paper ID: 90-46.2

Recycling of Beryllum and Copper from Pickling By-**Products**

Author(s): DJ Kaczynski, KD Brown Annual Conference: 1990, Vol. 3

Paper ID: 90-46.4

A Waste Reduction Process Used by Exxon Chemical

Author(s): LE Schmaltz

Annual Conference: 1990, Vol. 3

Paper ID: 90-46.5

Infancy to Maturity--A Review of New York City's First **Intermediate Processing Center**

Author(s): AW Blackman, NS DeBartolo

Annual Conference: 1990, Vol. 3

Paper ID: 90-48.1

Automated Recycling at the XL Disposal Transfer Station in Crestwood, Illinois

Author(s): EH Prium, EJ Sommer, Jr. Annual Conference: 1990, Vol. 3

Paper ID: 90-48.2

Composting Potential in Municipal Solid Waste Management

Author(s): NS Artz, ER Yoos Annual Conference: 1990, Vol. 3

Paper ID: 90-48.3

Municipal Solid Waste Composting-State-of-the-Art

Author(s): JE Alpert, M Gould Annual Conference: 1990, Vol. 3

Paper ID: 90-48.4

The Paradox and the Promise of Source Reduction

Author(s): MJ Clarke

Annual Conference: 1990, Vol. 3

Paper ID: 90-48.7

Evaluation of BDAT Technologies for Steel Industry Land Ban Wastes

Author(s): WF Kemmer, FD Hall Annual Conference: 1990, Vol. 3

Paper ID: 90-49.1

Environmental Closure, Demolition and Site Restoration of a Coke Manufacturing Facility

Author(s): LW Metzger, J Fulton, Jr., CT Swartzbaugh

Annual Conference: 1990, Vol. 3

Paper ID: 90-49.2

Bioremediation of Coke By-Products Plant Sites

Author(s): DV Nakles, LM Brausch Annual Conference: 1990, Vol. 3

Paper ID: 90-49.3

CALX-BRIO: A Lime-Based Flux Material for Steelmaking Using Electric Arc Furnace Dust as a Main Ingredient

Author(s): J Thompson

Annual Conference: 1990, Vol. 3

Paper ID: 90-49.4

HI-PLAS Technology for the Treatment of Electric ARC

Furnace Dust

Author(s): JB Stockham, RD Ayars, DL McGee

Annual Conference: 1990, Vol. 3

Paper ID: 90-49.6

Evaluation of Potential Interferences Upon the Capability of Methods for Measuring Hydrogen Sulfide

Author(s): JV Apicella

Annual Conference: 1990, Vol. 3

Paper ID: 90-49.8

Materials Management at Falconbridge LTD. Sudbury Operations from An Environmental Perspective

Author(s): A Acundari, RE Michelutti, MP Sudbury

Annual Conference: 1990, Vol. 3

Paper ID: 90-49.9

Use of Blast Furnace Slag in Making Durable Concrete for Waste Management Repositories

Author(s): RF Feldman, JJ Beaudoin, KE Philipose

Annual Conference: 1990, Vol. 3

Paper ID: 90-50.1

Use of Wastes as Raw Materials in Portland Cement Manufacture

Author(s): BW Doyle

Annual Conference: 1990, Vol. 3

Paper ID: 90-50.3

From Waste to Resources: What Will it Cost to Reuse our Sludge?

Author(s): AB Outwater, B Tansel Annual Conference: 1990, Vol. 3

Paper ID: 90-50.9

Comparison of Optical Visibility Measurements in New England, Appalachian Mountains, Midwest and California Class 1 Areas

Author(s): J Thomas, J Parrott, G Yost, R Doty

Annual Conference: 1990, Vol. 4

Paper ID: 90-66.1

Assessing the Improve in Visibility of Various Sulfate Reduction Scenarios

Author(s): WC Malm, JF Sisler, LL Mauch

Annual Conference: 1990, Vol. 4

Paper ID: 90-66.2

Estimation of the Spectra of Path Luminance

Author(s): RC Henry, D Pan Annual Conference: 1990, Vol. 4

Paper ID: 90-66.3

Spatial and Temporal Trends of Fine Particles at Remote Us Sites

Author(s): TA Cahill, RA Eldred, LK Wilkinson, BP Perly,

WC Malm

Annual Conference: 1990, Vol. 4

Paper ID: 90-66.4

Wintertime Visibility In Phoenix, Arizona

Author(s): JC Chow, JG Watson, L Pritchett, D Lowenthal, C

Frazier, G Neuroth, K Evan, D Moon Annual Conference: 1990, Vol. 4

Paper ID: 90-66.6

Update of the U.S. Environmental Protection Agency's (EPA'S) Visibility Protection Program

Author(s): DW Scott, LB Deck, G Jacobs

Annual Conference: 1990, Vol. 4

Paper ID: 90-66.7

Controlling Dust Storms Due to Water Diversions from Owens and Mono Lakes

Author(s): DM Ono, BG Cox, Jr. Annual Conference: 1990, Vol. 4

Paper ID: 90-69.5

Particulate Matters--A Commercial Marketing Approach to Air Quality Strategies (Give Me A Full Brass Band)

Author(s): WL Kelly

Annual Conference: 1990, Vol. 4

Paper ID: 90-69.6

Remediation of Subsurface Chromium Contamination at a Former Manufacturing Facility

Author(s): JL Pope, JD Goedtel Annual Conference: 1990, Vol. 1

Paper ID: 90-7.2

Abatement/Remediation of Volatile Organics in the Subsurface Using Soil Vapor Extraction

Author(s): JL Pope, JD Goedtel Annual Conference: 1990, Vol. 1

Paper ID: 90-7.4

Background PA-10 Air Quality Calculations Using Southwest Pennsylvania PM-10 and TSP Data

Author(s): J Graham

Annual Conference: 1990, Vol. 4

Paper ID: 90-71.1

Dichotomous Samplers Modified for Use with Electron Microscopy

Author(s): Y Mamane, TG Dzubay Annual Conference: 1990, Vol. 4

Paper ID: 90-71.2

Mexico City Aerosol Study: Sulfates and Nitrates in PM-10 And TSP

Author(s): YI Falcon, CR Ramirez, SF Vega

Annual Conference: 1990, Vol. 4

Paper ID: 90-71.3

Asheville North Carolina Winter PM Saturation Monitoring Study

Author(s): NJ Berg, Jr.

Annual Conference: 1990, Vol. 4

Paper ID: 90-71.4

Calculation of PM Design Values Using a Combination of Reference and Non-Reference Measurement Methods

Author(s): ML Hough

Annual Conference: 1990, Vol. 4

Paper ID: 90-71.5

Spatial and Chemical Pattern of Regional PM10 Aerosols

Author(s): RB Husar

Annual Conference: 1990, Vol. 4

Paper ID: 90-71.6

Gas and Particle Phase Determination of HCB, a-HCH and t-HCH in Ambient Air with an Annulas Diffusion Denuder

Author(s): DA Lane, WH Schroeder, ND Johnson

Annual Conference: 1990, Vol. 4

Paper ID: 90-72.1

SARA III: Estimating the Combined Impact of Emissions from Twelve Facilities in an Urban Environment

Author(s): TR Wyles, MR Johnson Annual Conference: 1990, Vol. 4

Paper ID: 90-73.1

Risks Due To Atmospheric Emissions of Toxic Pollutants from Power Plants

Author(s): KL Zankel, RP Brower, PM Dunbar

Annual Conference: 1990, Vol. 4

Paper ID: 90-73.2

Importance of Indirect Exposure When Assessing Risk to Toxic Airborne Emissions

Author(s): R Brower, K Zankel, J Gerritsen, S Campbell, J

Teitt

Annual Conference: 1990, Vol. 4

Paper ID: 90-73.3

A Technical Perspective on the Use of Dispersion Models to Estimate Exposure to Air Toxics

Author(s): DA Sullivan

Annual Conference: 1990, Vol. 4

Paper ID: 90-73.6

An Analysis of CO Modeling Techniques for Over-Capacity Roadway Intersections

Author(s): PH Guldberg

Annual Conference: 1990, Vol. 4

Paper ID: 90-73.7

Modeling Air Toxics Exposure from a Complex Industrial Site

Author(s): J Matthews, R Wells, T Palma, D Muschett

Annual Conference: 1990, Vol. 4

Paper ID: 90-73.8

Difficulties in Estimating Wet Deposition of Atmospheric Particulate Material

Author(s): K Zankel, R Brower, S Campbell, J Teitt

Annual Conference: 1990, Vol. 4

Paper ID: 90-74.1

Application of a Puff-Trajectory Model and Computer Graphics to Visualize the Dispersion of Area Source Emissions

Author(s): JC Yates

Annual Conference: 1990, Vol. 4

Paper ID: 90-74.3

Atmospheric Emissions from Buried Hazardous Waste

Author(s): PJ Drivas, DH Bass, BL Murphy

Annual Conference: 1990, Vol. 4

Paper ID: 90-74.4

Variability of 5-minute Wind Direction within Hourly Periods and its Implication on Use of the Pasquill-Gifford Dispersion Parameters in Air Quality Dispersion Modeling

Author(s): DB Turner, TR Wyles, WF Rostek

Annual Conference: 1990, Vol. 4

Paper ID: 90-74.5

Effect of Upwind Terrain on Reentrainment of Rooftop Fume Hood Exhaust into Outside Air Intakes

Author(s): MA Ratcliff

Annual Conference: 1990, Vol. 4

Paper ID: 90-75.1

Reduction of Community Risk by Indoor Sheltering Quantitative Evaluation and Application

Author(s): RJ Gardner, PR Jann Annual Conference: 1990, Vol. 4

Paper ID: 90-75.2

Indoor and Outdoor Concentrations of Acidic Aerosols and Gases

Author(s): M Brauer, P Koutrakis, GJ Keeler, JD Spengler

Annual Conference: 1990, Vol. 4

Paper ID: 90-75.3

Meteorological Measurements in Support of a Complex Terrain Modeling Study in New Mexico

Author(s): RJ Paine, SB Kendall, AW Bealer, DA Godden

Annual Conference: 1990, Vol. 4

Paper ID: 90-76.1

The Upwind Influence of Coastal Complex Terrain on the Horizontal Wind Direction Fluctuations

Author(s): S Leopold, T Spangler Annual Conference: 1990, Vol. 4

Paper ID: 90-76.2

Wind-Tunnel Modeling of Stable Stratification in a Port Surrounded by Complex Terrain

Author(s): RL Petersen, GF Hoffnagle Annual Conference: 1990, Vol. 4

Paper ID: 90-76.3

Dispersion Climatology of Severe Coastal Complex Terrain

Author(s): CG Rabideau, TC Spangler

Annual Conference: 1990, Vol. 4

Paper ID: 90-76.5

Multimedia Assessment of Health Risks for the Weldon Spring Site Remedial Action Project

Author(s): LA Haroun, MM MacDonell, JM Peterson, DJ

Fingleton

Annual Conference: 1990, Vol. 4

Paper ID: 90-77.5

Source Attribution Studies in Eastern Massachusetts

Author(s): D Hermann, I Olmez Annual Conference: 1990, Vol. 4

Paper ID: 90-78.2

A Medium-Volume PM Sampler for Use In Source Apportionment Studies

Author(s): AW Gertler, WG Coulombe, RT Egami

Annual Conference: 1990, Vol. 4

Paper ID: 90-78.3

Development of a Two-Phase Chemical Mass Balance Teceptor Model

Author(s): GA McKee, RA Wadden, PA Scheff

Annual Conference: 1990, Vol. 4

Paper ID: 90-78.4

Particle Class Balance for Apportioning Aerosol Mass with Size Segregation Scheme

Author(s): DS Kim, PK Hopke Annual Conference: 1990, Vol. 4

Paper ID: 90-78.5

Evaluation of a Receptor Model for Organic Compounds Using Ground-Based Trajectories

Author(s): PA Scheff, RA Wadden, Q Zhou, D Kenski, HS

Lee, BA Bates

Annual Conference: 1990, Vol. 4

Paper ID: 90-78.7

Combined PM/NMHC Source Fingerprints for Two-Phase Receptor Modeling

Author(s): RA Wadden, PA Scheff, GA McKee

Annual Conference: 1990, Vol. 4

Paper ID: 90-78.8

A Stepwise Approach to Receptor Modeling of Toxic Trace Elements in Complex Urban Airsheds

Author(s): CW Sweet, SJ Vermette, DF Gatz

Annual Conference: 1990, Vol. 4

Paper ID: 90-78.9

The Regional Oxidant Model Multi-Processor (ROMMP)

Author(s): AM Roberts, JO Young Annual Conference: 1990, Vol. 4

Paper ID: 90-79.2

Discontinuity in the Calculation of Ground-Level Concentrations Under Downwash Conditions in the ISC Model

Author(s): LA Corio

Annual Conference: 1990, Vol. 4

Paper ID: 90-79.3

Sensitivity to the CAL3QHC Intersection Model to Traffic Patterns at Unsignalized T-Intersections

Author(s): RJ Rossi

Annual Conference: 1990, Vol. 4

Paper ID: 90-79.4

A New Approach to Predicting Dispersion of Toxic Gas Clouds in Complex Coastal Wind Fields at Cape Canaveral/Kennedy Space Center

Author(s): WA Lyons, DA Moon, JL Eastman, CS Keen, MG Venne, RA Pielke, WR Cotton, RL Walko, CJ Tremback

Annual Conference: 1990, Vol. 4

Paper ID: 90-79.5

Preprocessed Meteorological Data: A Comparison of Methodologies and Their Effects on Modeled Ground-Level Pollutant Concentrations

Author(s): KS Dorris

Annual Conference: 1990, Vol. 4

Paper ID: 90-79.6

Receptor Modeling in Groundwater Contamination Source Attribution Studies

Author(s): I Olmez

Annual Conference: 1990, Vol. 1

Paper ID: 90-8.1

Application of an Electromagnetic Borehole Flowmeter to Predict Three-Dimensional Solute Transport in a Heterogeneous Aquifer

Author(s): SC Young, HS Pearson Annual Conference: 1990, Vol. 1

Paper ID: 90-8.3

Design of an Electromagnetic Borehole Flowmeter for Ground Water Measurements

Author(s): JW Hamby, DE Warren, HS Pearson

Annual Conference: 1990, Vol. 1

Paper ID: 90-8.4

Airflows in Manufactured Fireplaces

Author(s): D Fugler, CA McGugan Annual Conference: 1990, Vol. 4

Paper ID: 90-80.1

Performance Evaluation of the Best Existing Stove Technology (BEST) Hybrid Woodstove and Catalytic Retrofit Device

Author(s): CA Simons, SK Jones Annual Conference: 1990, Vol. 4

Paper ID: 90-80.3

Effects of Operating Variables on PAH Emissions and Mutagenicity of Emissions from Woodstoves

Author(s): RC McCrillis, RR Watts, SH Warren

Annual Conference: 1990, Vol. 4

Paper ID: 90-80.4

Woodstove Smoke and CO Emissions: Comparison of Reference Methods with the VPI Sampler

Author(s): DR Jaasma, MR Champion, JW Shelton

Annual Conference: 1990, Vol. 4

Paper ID: 90-80.5

In-home Performance of Advanced Technology Woodstoves During the 1988-89 Heating Seasons in Glens Falls, New York

Author(s): SG Barnett, R Roholt Annual Conference: 1990, Vol. 4

Paper ID: 90-80.6

Summary of New Technology Woodstove In-House Performance

Author(s): RC McCrillis

Annual Conference: 1990, Vol. 4

Paper ID: 90-80.7

The Compliance Assistance Program Innovative Self-Help Literature Helps Reduce Excess Emissions

Author(s): MJ Kashhuba Annual Conference: 1990, Vol. 4

Paper ID: 90-81.1

Development of Airs: AMS Transportation Emissions Methodology

Author(s): ES Kinbrough, CT Ripberger, RE Battye

Annual Conference: 1990, Vol. 4

Paper ID: 90-81.2

High Resolution Inventories: Current Status and Future Areas of Enhancements

Author(s): RJ Dickson, LR Chinkin Annual Conference: 1990, Vol. 4

Paper ID: 90-81.4

The Use of the Facility Subsystem for the Management of Emissions Inventory Data

Author(s): RA Love, CO Mann Annual Conference: 1990, Vol. 4

Paper ID: 90-81.5

Use of the CHEMDAT6 and ISC Models to Estimate Emissions from Treatment, Storage and Disposal

Facilities: Case Studies

Author(s): BD Symoms

Annual Conference: 1990, Vol. 4

Paper ID: 90-82.2

Estimation of Air Emissions Utilizing On-Site Air Measurements

Author(s): WW Li

Annual Conference: 1990, Vol. 4

Paper ID: 90-82.3

Measurement of Atmospheric Emissions from a Large Biomedical Facility

Author(s): L Edwards, JL Balzer Annual Conference: 1990, Vol. 4

Paper ID: 90-82.4

Volatile Organic Emissions from an Industrial Wastewater Treatment Facility

Author(s): KN Wood, PR Jann, WK Whitecraft

Annual Conference: 1990, Vol. 4

Paper ID: 90-82.5

Comparison of Measured to Modeled Emission Rates at an Active Hazardous Waste Landfill

Author(s): DR Suder, AH Wooster, CE Schmidt

Annual Conference: 1990, Vol. 4

Paper ID: 90-82.6

A Comparison of Methods for Monitoring Industrial Emissions

Author(s): AJ Erb, CL Bauer, G Woodside

Annual Conference: 1990, Vol. 4

Paper ID: 90-82.9

Continuous PM-10 Measurements Using the Tapered Element Oscillating Microbalance

Author(s): H Patashnick, EG Rupprecht Annual Conference: 1990, Vol. 5

Paper ID: 90-84.1

A High Volume Dichotomous Sampler: Design and Evaluation

Author(s): VA Marple, BYH Liu, RM Burton

Annual Conference: 1990, Vol. 5

Paper ID: 90-84.2

Ambient Metals Concentrations Near a Sewage Sludge Incineration Facility

Author(s): SJ Balogh

Annual Conference: 1990, Vol. 5

Paper ID: 90-84.3

Field Measurements Used to Evaluation Implementation Programs for Multiple Standard Violations

Author(s): RJ Farber, VA Mirabella, JR Baas, AB Amerzcua,

R Countess, IT Wang, C Pilinis, JG Watson

Annual Conference: 1990, Vol. 5

Paper ID: 90-84.4

Winter Fine Particulate Composition in the Northeast: Preliminary Results from the Nescaum Monitoring Network

Author(s): RL Poirot, RG Flocchini, RB Husar

Annual Conference: 1990, Vol. 5

Paper ID: 90-84.5

Design and Testing of a Reduced-Scale Wind Tunnel for Surface Erodibility Determinations

Author(s): C Cowherd, Jr, DM Ono. Annual Conference: 1990, Vol. 5

Paper ID: 90-84.6

Meteorological Measurements in Support of Regional Ozone Studies

Author(s): TF Lavery

Annual Conference: 1990, Vol. 5

Paper ID: 90-85.1

Advanced Remote Sensing Data as Input to Regulatory Complex Terrain Models

Author(s): PM Fransioli, KR Peterman Annual Conference: 1990, Vol. 5

Paper ID: 90-85.2

The Value of On-Site Sodars Versus Nearest Radiosonde Soundings in Regional Emergency Response Modeling

Author(s): RLBaskett, JS Nasstrom, R Lange

Annual Conference: 1990, Vol. 5

Paper ID: 90-85.3

An Intercomparison of Temperature Data Measured with Rass and Tower Instruments

Author(s): S Vogt, P Thomas, G Chevalier, H Gentou, S

Connolly

Annual Conference: 1990, Vol. 5

Paper ID: 90-85.4

The Valdez Air Monitoring System (VAMS): Continuous Monitoring for Volatile Organics, Criteria Pollutants and Meteorological Parameters

Author(s): KW Stopenhagen, RA Kester, DG Caniparolo, RJ

Gravle

Annual Conference: 1990, Vol. 5

Paper ID: 90-85.6

The Use of Extremely Long Probes for Monitoring Carbon Monoxide

Author(s): AM Sacco, J Zamurs Annual Conference: 1990, Vol. 5

Paper ID: 90-86.1

Doppler Acoustic Sounder Performance Audit Tower Versus Sounder

Author(s): JL West, AF Ferullo Annual Conference: 1990, Vol. 5

Paper ID: 90-86.2

An "On-Site" Meteorological Monitoring Plan Using Doppler Acoustic Sounders

Author(s): JL West, AF Ferullo Annual Conference: 1990, Vol. 5

Paper ID: 90-86.3

Use of Remote Sensing to Measure Wastewater Treatment Plant Emissions

Author(s): WK Whitcraft, KN Wood Annual Conference: 1990, Vol. 5

Paper ID: 90-86.4

Emissions Estimation and Dispersion Analysis Using Path-Integrated Air Measurement Data from Hazardous Waste Sites

Author(s): RL Scotto, TR Minnich, MR Leo

Annual Conference: 1990, Vol. 5

Paper ID: 90-86.5

Flux Measurements Using Simultaneous Long Path Ultraviolet and Infrared Spectroscopy

Author(s): SE McLarsen, DH Stedman Annual Conference: 1990, Vol. 5

Paper ID: 90-86.6

Open Path FTIR Measurements of Gaseous Emissions from a Chemical Plant Waste Water Treatment Basin

Author(s): RH Kagmann, OA Simpson

Annual Conference: 1990, Vol. 5

Paper ID: 90-86.7

Experiences with the Use of Stainless Steel Canisters for Ambient Air Sampling

Author(s): GJ Manyer, GF Maier, B Ullensvang

Annual Conference: 1990, Vol. 5

Paper ID: 90-86.8

Recent Improvements in the Design and Operation of a Differential Optical Absorption Spectrometer for in Situ Measurement of Gaseous Air Pollutants

Author(s): HW Biermann, AM Winer Annual Conference: 1990, Vol. 5

Paper ID: 90-87.2

Testing of NO/NOx Analyzers for the SJVAQS/AUSPEX Program

Author(s): JA Jassim, DH Stedman, G Steenson, D Kita, PA

Solomon

Annual Conference: 1990, Vol. 5

Paper ID: 90-87.3

Pan Measurements Using the New Liouminox Model LPA-4; Instrument Description and Intercomparison with Conventional ECD Detectors

Author(s): JW Drummond, GI Mackay, HI Schiff, PB

Shepson, P Blanchard

Annual Conference: 1990, Vol. 5

Paper ID: 90-87.4

A New Lightweight Portable Ozone Monitor Based on Chemiluminescence with EOSIN Y

Author(s): LA Topham, JW Drummond, GI Mackay, HI

Schiff

Annual Conference: 1990, Vol. 5

Paper ID: 90-87.5

A Pilot Evaluation of Basement Pressurization as a Method to Reduce Soil Gas Entry into a Dwelling

Author(s): TM Kenney, MS Nowak Annual Conference: 1990, Vol. 5

Paper ID: 90-89.2

Radon Diagnostics for Schools

Author(s): KW Leovic, AB Craig, DB Harris

Annual Conference: 1990, Vol. 5

Paper ID: 90-89.3

Radon Levels in East Central Indiana School Buildings: Evaluation of a Screening Protocol

Author(s): T Godish, D Ober, A Samuelson, D Govaer, J Culp,

A Bennett

Annual Conference: 1990, Vol. 5

Paper ID: 90-89.4

Public Response to the Risk From Airborne Radon

Author(s): DG Mose, GW Mushrush Annual Conference: 1990, Vol. 5

Paper ID: 90-89.5

Glass as a Long-Term Radon Monitor--Calibration and Measurement

Author(s): RS Lively, D Steck, EP Ney Annual Conference: 1990, Vol. 5

Paper ID: 90-89.6

Diagnostic and Mitigation Techniques Used in Radon Field Workshops

Author(s): CE Kneeland, JP Reese, MR Watson

Annual Conference: 1990, Vol. 5

Paper ID: 90-89.8

What About When Sub-Slab Depressurization Doesn't Work Well

Author(s): BE Pyle, AD Williamson, MC Osborne

Annual Conference: 1990, Vol. 5

Paper ID: 90-89.9

Field Data Acquisition for Contaminated Groundwater Extraction: Remedial Design at Heleva Landfill, Lehigh County, Pennsylvania

Author(s): RD Bethel, JL Glorieux, JP Orient, R Watman

Annual Conference: 1990, Vol. 1

Paper ID: 90-9.2

Application of the Electric Cone Penetration Test to Environmental Groundwater Investigations

Author(s): LK Hekma, KK Muraleetharan, GF Boehm

Annual Conference: 1990, Vol. 1

Paper ID: 90-9.3

Strategies for Communicating with Risk Takers: The Importance of Information Source, Target of Risk and Media Selection

Author(s): JM Valenti, MA Ferguson Annual Conference: 1990, Vol. 5

Paper ID: 90-90.2

Paying for Safety Voluntary Reduction of Residential Radon Risks

Author(s): J Akerman, L Bergman, FR Johnson

Annual Conference: 1990, Vol. 5

Paper ID: 90-90.4

Radon Risk Communication: The Effectiveness of an Integrated Media Campaign Versus Communicating When a House is Being Sold

Author(s): A Fisher, JK Doyle, GH McCelland, WD Schulze

Annual Conference: 1990, Vol. 5

Paper ID: 90-90.5

The Influence of Sorption to Fibrous Surfaces on Indoor Concentrations of Organic Vapors

Author(s): JE Borrazzo, CI Davidson, JB Andelman

Annual Conference: 1990, Vol. 5

Paper ID: 90-91.1

The Effects of a Building Bake-Out on Indoor VOC Concentrations

Author(s): J Hicks, KM Worl, K Hall Annual Conference: 1990, Vol. 5

Paper ID: 90-91.2

The Use of Sulfur Hexafluoride as a Tool to Measure the Effectiveness of Asbestos Containments

Author(s): GL Ritter

Annual Conference: 1990, Vol. 5

Paper ID: 90-91.5

Environmental Stressors and System Deficiencies Identified in Problem Office Buildings

Author(s): DR Rask, CA Lane, TA Bosman, VL Putman

Annual Conference: 1990, Vol. 5

Paper ID: 90-92.4

The Impact of Commissioning and Maintenance on Indoor Air Quality

Author(s): CN Lawson

Annual Conference: 1990, Vol. 5

Paper ID: 90-92.5

Two Indoor Air Quality Investigations--Oceans Apart

Author(s): S Turner

Annual Conference: 1990, Vol. 5

Paper ID: 90-92.6

Analysis of Volatile Organic Compound Emission Control Methods to Reduce Urban Ozone

Author(s): RD Rapport

Annual Conference: 1990, Vol. 5

Paper ID: 90-93.11

Development of an Ozone FIP for the Chicago Area

Author(s): M Koerber

Annual Conference: 1990, Vol. 5

Paper ID: 90-93.2

Impacts of Regional Control Strategies on Ozone in the Northeastern United States

Author(s): NC Possiel, DC Doll, KA Baugues, EW Baldridge,

RA Wayland

Annual Conference: 1990, Vol. 5

Paper ID: 90-93.3

Assessment of Ozone Precursor Control Measures Using the Urban Airshed Model in EPA's 5-City UAM Study

Author(s): RD Scheffe, RE Morris Annual Conference: 1990, Vol. 5

Paper ID: 90-93.4

Ozone Nonattainment-An Analysis of Proposed Legislation

Author(s): JH Wilson, Jr., EJ Laich, FL Bunyard

Annual Conference: 1990, Vol. 5

Paper ID: 90-93.5

Ozone Concentrations in a Rural Industrialized Area of S.E. Texas

Author(s): RL Kump

Annual Conference: 1990, Vol. 5

Paper ID: 90-93.7

The EPA National Dry Deposition Network: Preliminary Ozone Analysis Results from the Northeastern Region

Author(s): TA Messier, DC Di Cristofaro

Annual Conference: 1990, Vol. 5

Paper ID: 90-93.8

Evaluation the Effectiveness of State Implementation Plan Strategies

Author(s): R Guensler

Annual Conference: 1990, Vol. 5

Paper ID: 90-93-12

The Meteorological Impact of Lake Michigan in Causing Elevated Ozone Levels in the Lower Lake Michigan Air Quality Control Region

Author(s): WA Lyons, DA Moon, CS Keen, JL Eastman

Annual Conference: 1990, Vol. 5

Paper ID: 90-94.1

Development of a Biogenic Emissions Inventory System for Regional Scale Air Pollution Models

Author(s): TE Pierce, BK Lamb, AR VanMeter

Annual Conference: 1990, Vol. 5

Paper ID: 90-94.3

Sensitivity of the EPA Regional Oxidant Model to Biogenic Hydrocarbon Emissions

Author(s): SJ Roselle, KL Schere Annual Conference: 1990, Vol. 5

Paper ID: 90-94.4

Design of the 1989 Ozone Summer Field Study in the San Francisco Bay Area

Author(s): GE Long, PA Thorson, RE DeMandel, TE Perardi,

T Umeda

Annual Conference: 1990, Vol. 5

Paper ID: 90-94.6

Application of the Urban Airshed Model in the Republic of China (Taiwan)

Author(s): EL Carr, JL Haney Annual Conference: 1990, Vol. 5

Paper ID: 90-94-10

Application of the Urban Airshed Model in the Baton Rouge Seven-Parish Study Area

Author(s): JL Haney, SG Douglas, LA Gardner, CS Burton

Annual Conference: 1990, Vol. 5

Paper ID: 90-94-9

A Regional Scale Analysis of the Sources of Elevated Ozone Concentrations in Southeastern Michigan

Author(s): S Sillman, PJ Samon Annual Conference: 1990, Vol. 5

Paper ID: 90-95.1

A Captive Air Irradiation Study of the Response of Nitric Acid and Peroxyacetyl Nitrate to Ozone Control Strategies in Los Angeles

Author(s): NA Kelly

Annual Conference: 1990, Vol. 5

Paper ID: 90-95.2

A Trajectory Analysis of Ozone Exceedances in Coastal Maine

 $Author(s): RP\ Burkhart$

Annual Conference: 1990, Vol. 5

Paper ID: 90-95.3

Vertical Ozone Profile Measurements in a Rural Environment

Author(s): KA Cavender, ER Allen Annual Conference: 1990, Vol. 5

Paper ID: 90-95.5

Weekdays and Weekend Days Variation in Ozone and Nitrogen Oxides Concentrations in the Atmosphere of the Mexico City

Author(s): HA Bravo, GR Ocotia, RE Sosa, RJ Torres

Annual Conference: 1990, Vol. 5

Paper ID: 90-95.6

The Tampa Region Ozone Transport Study

Author(s): MJ Stunder, MD Koontz, TN Sletten, VE Molesch

Annual Conference: 1990, Vol. 5

Paper ID: 90-95.8

Characterization of Ozone at High Elevations in the Eastern United States

Author(s): VP Aneja, Z Li Annual Conference: 1990, Vol. 5

Paper ID: 90-95.9

What's it Good for if it's Not in the Tank? Policy, Supply and Infrastructure Issues of a Transition to Clean

Transportation Fuels

Author(s): CL Saricks

Annual Conference: 1990, Vol. 6

Paper ID: 90-96.1

Preliminary Evaluation of Oxygenated Fuels in a

Laboratory Engine at Mexico City

Author(s): AE Cabrera, MA Galindo Annual Conference: 1990, Vol. 6

Paper ID: 90-96.10

Proposed Strategy to Phase in Low-Emission Vehicles and Clean Fuels in California

Author(s): SV Huscroft, RC Vincent, SG Albu, BK Takemoto,

L Kao

Annual Conference: 1990, Vol. 6

Paper ID: 90-96.13

Assessment of Environmental Issues Related to the Use of Alternative Transportation Fuels

Author(s): RF Klausmeier Annual Conference: 1990, Vol. 6

Paper ID: 90-96.2

Ozone Forming Potential of Organic Emissions from Alternative Fueled Vehicles

Author(s): TY Chang, SJ Rudy Annual Conference: 1990, Vol. 6

Paper ID: 90-96.3

Reactivity/Ozone Forming Potential of Organic Gases

Author(s): SJ Rudy, TY Chang Annual Conference: 1990, Vol. 6

Paper ID: 90-96.4

The Atmospheric Chemistry of Oxygenated Fuel Additives: t-Butyl Alcohol and t-Butyl Ether

Author(s): SM Japar, TJ Wallington, JFO Richert, JC Ball

Annual Conference: 1990, Vol. 6

Paper ID: 90-96.5

Air Quality Impacts of Methanol-Fueled Vehicles in Micro-Environments

Author(s): G Kuntasal, A Venkatram Annual Conference: 1990, Vol. 6

Paper ID: 90-96.6

Exhaust Emissions from Dual Fuel Vehicles Using Compresses Natural Gas and Gasoline

Author(s): SH Cadle, PA Mulawa, DK Hilden, R Halsall

Annual Conference: 1990, Vol. 6

Paper ID: 90-96.8

Air Quality Modeling of Alternative Fuel Use in Los Angeles, CA: Sensitivity of Pollutant Formation to Individual Pollutant Compounds

Author(s): A Russell

Annual Conference: 1990, Vol. 6

Paper ID: 90-96.9

An Analysis of the Trend in Ground-Level Ozone Using Nonhomogeneous Poisson Process

Author(s): TS Shively

Annual Conference: 1990, Vol. 6

Paper ID: 90-97.10

Allegheny County Ozone in the 1980s

Author(s): RA Savukas

Annual Conference: 1990, Vol. 6

Paper ID: 90-97.2

A Decade of Ozone Monitoring in New England: Analysis and Trends

Author(s): RP Burkhart, NJ Beloin, AW Oi

Annual Conference: 1990, Vol. 6

Paper ID: 90-97.4

How to Remove the Influence of Meteorology from the Chicago Area Ozone Trend

Author(s): DJ Kolaz, RL Swinford Annual Conference: 1990, Vol. 6

Paper ID: 90-97.5

Ten Year Trends in Ambient Ozone Concentrations at Four Sites in New Jersey

Author(s): R Harkov

Annual Conference: 1990, Vol. 6

Paper ID: 90-97.6

Ozone Concentrations and Trends in Southern Ontario and Southern Quebec (1983-1989)

Author(s): T Dann

Annual Conference: 1990, Vol. 6

Paper ID: 90-97.7

1981 To 1988 Ozone Trends Adjusted to Meteorological Conditions For 13 Metropolitan Areas

Author(s): PG Wakim

Annual Conference: 1990, Vol. 6

Paper ID: 90-97.9

Air Quality Measurements and Characterizations for Vegetation Effects Research

Author(s): AS Lefohn, CM Benkovitz Annual Conference: 1990, Vol. 6

Paper ID: 90-98.1

Emissions Involved in Acidic Deposition Processes: Methodology and Results

Author(s): M Placet

Author(3). WIT facet

Annual Conference: 1990, Vol. 6

Paper ID: 90-98.3

Source-Receptor Relationships in Acid Deposition

Author(s): A Venkatram

Annual Conference: 1990, Vol. 6

Paper ID: 90-98.4

Summary of Deposition Monitoring in North America for the Period 1979-1987

Author(s): DL Sisterson, VC Bowersox, TP Meyers, AR

Olsen, RJ Vong

Annual Conference: 1990, Vol. 6

Paper ID: 90-98.5

The Rains Model of Acidification in Europe Calculating and Optimizing Emissions and Control Costs

Author(s): B Lubkert, W Schopp, M Amann

Annual Conference: 1990, Vol. 6

Paper ID: 90-99.2

Computing the Long-Range Transport of Sulfur and Nitrogen in Europe's Atmosphere

Author(s): J Bartnicki, J Alcamo Annual Conference: 1990, Vol. 6

Paper ID: 90-99.3

Uncertainty Analysis of a Long Range Transport Model

Author(s): J Alcamo, J Bartnicki Annual Conference: 1990, Vol. 6

Paper ID: 90-99.4

Performance of a Fluidized Bed Hazardous Waste Thermal Oxidation System

Author(s): CD Bartholomew, RW Benedict

Annual Conference: 1989, Vol. 1

Paper ID: 88-16.3

Performance of Soda Ash-Lime Sorbents in A Small-Scale Spray Dryer

Author(s): JM Markussen, HW Pennline

Annual Conference: 1989, Vol. 2

Paper ID: 89.19.2

Specification of Boundary Values and Source Characteristics for Ozone Prediction in a Complex

Characteristics for Ozone Prediction in a Complex Airshed

Author(s): S Wakamatsu, I Uno Annual Conference: 1989, Vol. 3

Paper ID: 89.42A.1

Volatile Organic Compound Emission Reductions Through Process Modifications of Paint Booths

Author(s): J Ayer, CD Wolbach Annual Conference: 1989, Vol. 1

Paper ID: 89-10.1

Study of Cancer Incidence and Air Toxics Controllability in Five U.S. Cities

Author(s): MH Keating, TF Lahre Annual Conference: 1989, Vol. 1

Paper ID: 89-10.2

Freon 113 Emissions Inventory, Testing and Reduction Study at a Major Electronic Equipment Cleaning Facility

Author(s): J Ayer, AS McElligott, PJ Brewer

Annual Conference: 1989, Vol. 1

Paper ID: 89-10.4

Assessment of the Effect of Ventilation Rates on VOC

Emissions from Sewers

Author(s): RL Corsi, DPY Chang, ED Schroeder

Annual Conference: 1989, Vol. 1

Paper ID: 89-10.5

Multimedia Impacts From Atmospheric Transport of Air Toxics: A Case Study Design

Author(s): BS Carhart, WF Koucky, P Blakely, M Klevs, CT

Nash

Annual Conference: 1989, Vol. 1

Paper ID: 89-10.6

Seasonal Variations and Trends in Concentrations of Filter-Collected PaH and Mutagenic Activity in the San Francisco Bay Area

Author(s): P Flessel, Y Wang, K Chang, J Wesolowski, G

Guirguis, I Kim, D Levaggi, W Siu Annual Conference: 1989, Vol. 1

Paper ID: 89-10.7

An Activity Pattern Survey of Asthmatics

Author(s): C Lichtenstein, HD Roth, P Walker, RE Wyzga

Annual Conference: 1989, Vol. 6

Paper ID: 89-100.1

Evaluation of a Daily Activity Diary Designed to Identity Exposure Sources

Author(s): N Freeman, J Waldman, P Lioy

Annual Conference: 1989, Vol. 6

Paper ID: 89-100.2

Describing Activity Patterns for Use in Exposure Assessment: Data from the Los Angles Personal Monitoring Study

Author(s): M Schwab, J Spengler, PB Ryan, SD Colome, AL

Wilson, E Becker, IH Billick Annual Conference: 1989, Vol. 6

Paper ID: 89-100.4

Time Activity and Exposure Assessment The Six City Indoor Air Quality Experience

Author(s): JH Adair, JD Spengler Annual Conference: 1989, Vol. 6

Paper ID: 89-100.5

The Utility of Time/Activity Data for Exposure Assessment: Summary of Procedures and Research Needs

Author(s): JJ Quackenboss, MD Lebowitz

Annual Conference: 1989, Vol. 6

Paper ID: 89-100.7

Evaluation Criteria for Noise Impacts Associated with Waste Management and Emission Control

Author(s): M Alexander Annual Conference: 1989, Vol. 6

Paper ID: 89-101.1

The Past, The Present and the Future of Environmental Noise Control in Orange County

Author(s): EG Brickson

Annual Conference: 1989, Vol. 6

Paper ID: 89-101.2

Public Health Effects of Noise

Author(s): AL Bronzaft

Annual Conference: 1989, Vol. 6

Paper ID: 89-101.3

Noise Control for a Solid Waste Transfer Station

Author(s): EM Clark

Annual Conference: 1989, Vol. 6

Paper ID: 89-101.4

Prediction of Noise Impacts Using in Situ Field Data

Author(s): PG Diosey, AM Russo Annual Conference: 1989, Vol. 6

Paper ID: 89-101.5

An Expert System for Traffic Noise Modeling

Author(s): HM Sung

Annual Conference: 1989, Vol. 6

Paper ID: 89-101.7

Rotation of Factors Produced by Three Mode Factor Analysis in Receptor Modeling

Author(s): Y Zeng, PK Hopke Annual Conference: 1989, Vol. 5

Paper ID: 89-103.9

Rotation of Factors Produced by Three-Mode Factor Analysis in Receptor Modeling

Author(s): Y Zeng, PK Hopke Annual Conference: 1989, Vol. 6

Paper ID: 89-103.9

Consideration of Historical Variability in Selecting Air Quality Trend Statistics and in Interpreting Air Quality **Trends**

Author(s): L Larsen, R Bradley, G Honcoop

Annual Conference: 1989, Vol. 6

Paper ID: 89-103P.1

Source Apportionment for Airborne Particles in Granite City, Illinois

Author(s): DM Glover, PK Hopke, S Landsberger, DR

D'Auben, SJ Vermette

Annual Conference: 1989, Vol. 6

Paper ID: 89-103P.4

Development of Source Profiles Using TTFA; From Trace Element Data Collected in Three Sections of Tianjin Peoples Republic of China

Author(s): MP Zelenka, PJ Lioy, S Weihan, W Wilson

Annual Conference: 1989, Vol. 6

Paper ID: 89-103P.7

Source Receptor of Volatile Organic Compounds and Particulate Matter in Charleston, WV

Author(s): M Cohen, B Ryan, JD Spengler, H Ozkaynak, C

Haves

Annual Conference: 1989, Vol. 7

Paper ID: 89-104.3

Discrimination of Source Contributions to Ambient **Organics**

Author(s): BA Hegberg, P Scheff, R Wadden, B Bates, PF

Aronian, Z Oi

Annual Conference: 1989, Vol. 7

Paper ID: 89-104.4

Identification of Volatile Hydrocarbons as Tracers of Particulate Carbon and Extractable Organic Matter from **Mobile Sources**

Author(s): R Zweidinger, R Stevens, C Lewis

Annual Conference: 1989, Vol. 7

Paper ID: 89-104.5

Indoor-Outdoor Comparisons of Aerosol and VOC Source Tracer Species in a Residential Woodsmoke Impacted Community

Author(s): CW Lewis, TG Dzubay, VR Highsmith, RK

Stevens, RB Zweidinger Annual Conference: 1989, Vol. 7

Paper ID: 89-104.6

Woodsmoke Contribution to PM10 in a Complex Airshed

Author(s): P Scheff, G McKee, R Wadden

Annual Conference: 1989, Vol. 7

Paper ID: 89-104.7

Remote Sensing of Air Toxics for Pre-Remedial Hazardous Waste Site Investigations

Author(s): TR Minnich, RJ Bath, RM Naman, RD Spear, WF Herget, OA Simpson, DH Stedman, SE McLarsen, WM Vaughan

Annual Conference: 1989, Vol. 7

Paper ID: 89-108.1

Remote Sensing Data Quality Objectives and Quality Assurance for a Pre-Remedial Hazardous Waste Site **Program**

Author(s): RL Scotto, J Builich, P Greenlaw, WM Vaughan, R

Annual Conference: 1989, Vol. 7

Paper ID: 89-108.2

Recent Air Emissions Data from Ogden Martin Systems Inc. Resource Recovery Facilities Which Became Operational **During 1988**

Author(s): JL Hahn, HP Von Dem Fange, D Sofaer

Annual Conference: 1989, Vol. 7

Paper ID: 89-109.1

Performance of Emissions Control Systems on Municipal Waste Combustors

Author(s): MG Johnston, TG Brna Annual Conference: 1989, Vol. 7

Paper ID: 89-109.2

Dry Scrubbing Systems Experience in Resource Recovery **Applications**

Author(s): PH Dhargalkar, JT Zmuda Annual Conference: 1989, Vol. 7

Paper ID: 89-109.3

Joy/Niro SDA MSW Gas Cleaning Systems New **Developments**

Author(s): JR Donnelly, KS Felsvang Annual Conference: 1989, Vol. 7

Paper ID: 89-109.6

Waste Reduction -- A Chemical Industry Commitment to

Author(s): DW Carrol

Annual Conference: 1989, Vol. 1

Paper ID: 89-11.1

Prediction of Cross-Media VOC Mass Transfer Rates in Sewers Based upon Oxygen Re-Aeration Rates

Author(s): RL Corsi

Annual Conference: 1989, Vol. 1

Paper ID: 89-11.2

An Assessment of Airborne and Multi-Pathway Toxic Risks Associated with the Incineration of Hospital Wastes

Author(s): RV Crume, TA Peters, DC Lewis

Annual Conference: 1989, Vol. 1

Paper ID: 89-11.3

Multimedia Pollution Prevention by Waste Minimization

Author(s): MJ Mudar, TT Shen Annual Conference: 1989, Vol. 1

Paper ID: 89-11.4

Equity Considerations in Decision Making for Multi-Media Risk Management Situations

Author(s): PE Smokler, TF Daly, RV Crume

Annual Conference: 1989, Vol. 1

Paper ID: 89-11.5

Efficiency of Activated Carbon Bed Odor Control Systems for VOC Removal

Author(s): DPY Chang, R Guensler, D Uyeminami, ED

Schroeder, R Caballero, P Griffith Annual Conference: 1989, Vol. 1

Paper ID: 89-11.6

The Evolution of Toxics Policy: America's Search for Successful resolution of its Super Failure Dilemma

Author(s): MD Morell

Annual Conference: 1989, Vol. 1

Paper ID: 89-11.7

Comparison of the Incineration of Medical Waste with Hazardous and Municipal Waste

Author(s): CC Lee, WR Seeker Annual Conference: 1989, Vol. 7

Paper ID: 89-110.3

Environmental Consequences of Alternative Methods of Incinerating Infectious Wastes

Author(s): AC Konheim, NM Reiss Annual Conference: 1989, Vol. 7

Paper ID: 89-110.4

Hospital Waste Incinerator Operator Training Course, an Overview

Author(s): RM Neulicht, MB Turner, JA Eddinger

Annual Conference: 1989, Vol. 7

Paper ID: 89-110.5

Cadmium and Lead in Bio-Medical Waste Incinerators

Author(s): DC Hickman, DPY Chang, H Glasser

Annual Conference: 1989, Vol. 7

Paper ID: 89-110.6

Southern California Air Quality Study Planning Process and Field Measurements

Author(s): DL Blumenthal, SV Hering, PT Roberts, DR

Lawson, JG Watson

Annual Conference: 1989, Vol. 7

Paper ID: 89-111.1

Analysis of Data from the Southern California Air Quality Study

Author(s): JH Seinfeld

Annual Conference: 1989, Vol. 7

Paper ID: 89-111.2

The Meteorological Working Group of Scaqs: An Overview of the Design of the Meteorological Sampling Network and the Intensive Monitoring Forecast Program

Author(s): JC Cassmassi, MD Zeldin Annual Conference: 1989, Vol. 7

Paper ID: 89-111.3

Development of the SCAQA Emission Inventory: An Overview

Author(s): V Mirabella, M Nazemi Annual Conference: 1989, Vol. 7

Paper ID: 89-111.4

Quality Assurance for the Southern California Air Quality Study

Author(s): EM Fujita, JF Collins Annual Conference: 1989, Vol. 7

Paper ID: 89-111.5

Summertime Cloud Immerion Frequency at Elk Mountain, Wyoming

Author(s): JR Snider, JA Garcia Annual Conference: 1989, Vol. 7

Paper ID: 89-112.2

Front Range Acidic Clouds and Precipitation

Author(s): F Parungo, C Nagamoto, B Kopcewicz

Annual Conference: 1989, Vol. 7

Paper ID: 89-112.4

Fog and Cloud Water Chemistry in Western Washington

 $\hbox{Author(s): FA Basabe, WL Chang, TV Larson, RL Edmonds}$

Annual Conference: 1989, Vol. 7

Paper ID: 89-112.5

Airborne Chemical Measurements in Nighttime Stratus Clouds in the Los Angeles Basin

Author(s): LW Richards

Annual Conference: 1989, Vol. 7

Paper ID: 89-112.6

Cloud Chemistry and Occurrence in the Western United States: A Synopsis of Current Information

Author(s): PS Muir, M Bohm Annual Conference: 1989, Vol. 7

Paper ID: 89-112.7

Approaches to Determining Source-Receptor Relationships

Author(s): JM Hales, DS Renne Annual Conference: 1989, Vol. 7

Paper ID: 89-113.2

Atmosphere-Surface Exchange Processes

Author(s): BB Hicks, TP Meyers Annual Conference: 1989, Vol. 7

Paper ID: 89-113.4

Assessing the Effects of Acidic Deposition on Aquatic

Systems: Scope and Uncertainties
Author(s): KW Thornton, DK McKenzie

Annual Conference: 1989, Vol. 7

Paper ID: 89-113.6

Assessment of the Importance of Acidic Fogwater and Cloudwater in Affecting Terrestrial Vegetation Some Important Case Studies

Author(s): PM Irving, C Eagar Annual Conference: 1989, Vol. 7

Paper ID: 89-113.7

Economic Methods and Applications for NAPAP'S Assessment Reports

Author(s): RJ Nesse

Annual Conference: 1989, Vol. 7

Paper ID: 89-113.8

Illustrative Emission Reduction Scenarios

Author(s): M Placet

Annual Conference: 1989, Vol. 7

Paper ID: 89-113.9

Prediction of the Effect of Sampling Time on Concentration Probabilities

Author(s): RI Sykes, WS Lewellen, SF Parker

Annual Conference: 1989, Vol. 7

Paper ID: 89-114.1

Characteristics and Frequency Analysis of a Very High Concentration Event in Stagnant Conditions

Author(s): RJ Paine

Annual Conference: 1989, Vol. 7

Paper ID: 89-114.2

The Effect of Receptor Spacing on Dispersion Modeling Predictions

Author(s): DL Harper, JO Jarvie Annual Conference: 1989, Vol. 7

Paper ID: 89-114.3

Pit Retention of Particulate Matter at Surface Coal Mines

Author(s): CF Cole, JS Touma, JL Dicke

Annual Conference: 1989, Vol. 7

Paper ID: 89-114.5

The Use of USGS Digital Elevation Model for Air Quality Dispersion Modeling

Author(s): RA Karpovich, TS Murphy Annual Conference: 1989, Vol. 7

Paper ID: 89-114.7

Comparison of Model Predictions Between Stack Top and Final Plume Height

Author(s): JB Barone, EM Haynes, RA Karpovich, CH Ayer,

PS Wiegand

Annual Conference: 1989, Vol. 7

Paper ID: 89-114.8

The Chemistry of Fog Water in Southern Ontario

Author(s): YT Tam, OT Melo Annual Conference: 1989, Vol. 7

Paper ID: 89-116.1

Sulfate Aerosol Acidity Patterns in a Sulfur Dioxide Source Region: Chestnut Ridge, Pennsylvania

Author(s): JM Walden, SKC Liang, PJ Lioy, GD Thurston, M

Lippman

Annual Conference: 1989, Vol. 7

Paper ID: 89-116.3

Spatial Variation of Aerosol Strong Acidity in the Kanawha Valley, WV

Author(s): GA Allen, JD Spengler Annual Conference: 1989, Vol. 7

Paper ID: 89-116.4

Short and Long Term Availability of Hydrogen

Author(s): AJ Appleby

Annual Conference: 1989, Vol. 7

Paper ID: 89-117.1

U.S. Natural Gas Resources, Availability and Cost

Author(s): HC Kent

Annual Conference: 1989, Vol. 7

Paper ID: 89-117.2

California 's Future Electricity System

Author(s): ER Deter

Annual Conference: 1989, Vol. 7

Paper ID: 89-117.4

Liquid Petroleum Gas Economics

Author(s): PR Watters

Annual Conference: 1989, Vol. 7

Paper ID: 89-117.5

Uniform Air Quality Training Program

Author(s): MM Boyer, CW Brink Annual Conference: 1989, Vol. 7

Paper ID: 89-118A.1

The Potential Application of Bar Codes to Phase 11 Vapor Recovery Inspections

Author(s): R Guensler

Annual Conference: 1989, Vol. 7

Paper ID: 89-118A.3

The Compliance Assistance Program a Way to Reduce Excess Emissions

Author(s): D Goodfellow Annual Conference: 1989, Vol. 7

Paper ID: 89-118A.5

The Coast Guard's Program Ensuring the Safety of Marine Vapor Control Systems

Author(s): RH Fitch

Annual Conference: 1989, Vol. 7

Paper ID: 89-118B.1

The California Air Resources Board's Mobile Fuel/Toxics Laboratory

Author(s): FD Schmidt

Annual Conference: 1989, Vol. 7

Paper ID: 89-118B.2

Preparation of Alternative Emission Control Plans for Surface Coating Operations

Author(s): R Guensler

Annual Conference: 1989, Vol. 7

Paper ID: 89-118B.3

Evaluation Rule Effectiveness in California Air Pollution Control Districts

Author(s): D Saito

Annual Conference: 1989, Vol. 7

Paper ID: 89-118B.4

Estimating Excess Emissions from External Floating-Roof Tanks

Author(s): F Vergara

Annual Conference: 1989, Vol. 7

Paper ID: 89-118B.5

Global Climate Change A Second Generation Environmental Issue

Author(s): JC Bernabo

Annual Conference: 1989, Vol. 7

Paper ID: 89-119.1

Evidence for Accelerated Releases of Carbon Dioxide to the Atmosphere Infrared from Direct Measurements of Concentration and 13C/12C Ratio

Author(s): CD Keeling, RB Bacastow, TP Whorf, WG Mook

Annual Conference: 1989, Vol. 7

Paper ID: 89-119.2

Cloud Albedo, Greenhouse Effects Atmospheric Chemistry and Climate Change

Author(s): JE Penner

Annual Conference: 1989, Vol. 7

Paper ID: 89-119.3

Beyond CO2--The Other Gases

Author(s): DJ Wuebbles

Annual Conference: 1989, Vol. 7

Paper ID: 89-119.4

Climate Change, Air Pollution and Oil Insecurity: The Linked Issues

Author(s): JJ MacKenzie

Annual Conference: 1989, Vol. 7

Paper ID: 89-119.6

Morphologic Effects of Long-Term Exposure to Ozone on Respiratory Tracts of Monkeys and Rats: Implications for Human Health

Author(s): D Dungworth, D Hyde, C Plopper, W Tyler

Annual Conference: 1989, Vol. 1

Paper ID: 89-12.1

Continuous Chronic Exposure to Ozone Biochemical, Functional and Histopathologic Effects in Rat Lung

Author(s): E Wright, K Gross, K Smiler

Annual Conference: 1989, Vol. 1

Paper ID: 89-12.2

Chronic Exposure to Ozone Causes Restrictive Lung Disease

Author(s): E Grose, D Costa, G Hatch, F Miller, JA Graham,

JD Crapo, LY Chang, M Stevens, R Jaskot, J Tepper

Annual Conference: 1989, Vol. 1

Paper ID: 89-12.3

The Role of Air Pollution in the Depletion of Health Reserved

Author(s): R Sherwin, V Richters, A Richters

Annual Conference: 1989, Vol. 1

Paper ID: 89-12.5

Fugitive Emission Estimation and Reduction

Author(s): JR Schaich, DD Stine Annual Conference: 1989, Vol. 7

Paper ID: 89-120.2

Comparison of Fugitive Emissions from Equipment Leaks Using U.S. EPA'S Published Emission Factors and Field Measurements

Author(s): HM Ellis, AR Lackaye Annual Conference: 1989, Vol. 7

Paper ID: 89-120.3

Equipment Leaks: Result of Industry Wide Studies of 1,3-Butadiene, Ethylene Oxide and Phosgene Production Facilities

Author(s): RL Berglund, JA Mullins, L Parrett, RP Romano,

JL Randall

Annual Conference: 1989, Vol. 7

Paper ID: 89-120.4

Topic Emissions from the Coke, Iron and Steel Industries: A Guide to Sara Title 111 Reporting

Author(s): AC Dittenhoefer, WI Fridley

Annual Conference: 1989, Vol. 7

Paper ID: 89-120.5

Estimating Chemical Specific Fugitive Emissions from Chemical Processing Equipment

Author(s): PH Anderson, MH Greenberg

Annual Conference: 1989, Vol. 7

Paper ID: 89-120.6

Sampling Selected VOC Emissions from Isolated Elevated Sources Under Specific Synoptic Conditions

Author(s): D Lane, G Marotz, R Carter, M Thomas, J Helvig,

J Hudson, R Tripp

Annual Conference: 1989, Vol. 7

Paper ID: 89-120.7

The Air Resources Board Methanol Vehicle Emission Test Programs

Author(s): LS Dunlap, RH Cross, KD Drachand

Annual Conference: 1989, Vol. 8

Paper ID: 89-124.1

California Air Resources Board's Methanol Fuel Research Program

Author(s): J Paskind, M Ahuja Annual Conference: 1989, Vol. 8

Paper ID: 89-124.2

The Effects of Colorado's Mandated High Oxygen Fuels Program on Atmospheric Pollution in Denver

Author(s): L Anderson, J Lansing, C Machovec, R Meglen

Annual Conference: 1989, Vol. 8

Paper ID: 89-124.4

Passage Car Refueling Emissions with Gasoline Oxygenate Blended Fuels

Author(s): JN Braddock

Annual Conference: 1989, Vol. 8

Paper ID: 89-124.5

Evaluation of NOx and Reactive Hydrocarbon Emission Controls for Ozone in the South Central Coast Air Basin of California

Author(s): KK Wagner

Annual Conference: 1989, Vol. 8

Paper ID: 89-125.1

Ozone Control Implications Revealed by Airshed Model Isopleths

Author(s): D McNally, TW Tesche, WR Oliver

Annual Conference: 1989, Vol. 8

Paper ID: 89-125.2

Use of the Urban Airshed Model to Assess Ozone Responses to Reductions in Voc and NOx Emissions in the Philadelphia AQCR

Author(s): JL Haney, CS Burton Annual Conference: 1989, Vol. 8

Paper ID: 89-125.3

Weekday/Weekend Differences in Diurnal Variation in Carbon Monoxide, Nitrogen Dioxide and Ozone Implication for Control Strategies

Author(s): M Hoggan, M Hsu, M Kahn, T Call

Annual Conference: 1989, Vol. 8

Paper ID: 89-125.5

An Analysis of Weekend/Weekday Differences in the South Coast Air Basin of California

Author(s): MD Zeldin, Y Horie, VA Mirabella

Annual Conference: 1989, Vol. 8

Paper ID: 89-125.6

Statistical Methodology for Exploring Elevational Differences in Precipitation Chemistry

Author(s): WG Warren, M Bohn, D Link

Annual Conference: 1989, Vol. 8

Paper ID: 89-128.1

Acidic Deposition in California Forest: Precipitation-Chemistry Measurements from the California Acid Deposition Monitoring Program

Author(s): C Blanchard, K Tonnessen, L Ashbaugh

Annual Conference: 1989, Vol. 8

Paper ID: 89-128.2

Analysis of a Summertime Acid Rain Event in the Sierra Nevada

Author(s): CD Unger

Annual Conference: 1989, Vol. 8

Paper ID: 89-128.3

Background Concentration of Sulfate in Precipitation Along the West Coast of North America

Author(s): RJ Vong

Annual Conference: 1989, Vol. 8

Paper ID: 89-128.4

Chemistry of Summer Cloud, Precipitation and Air at a Rocky Mountain-Top Location

Author(s): DF Miller, RD Borys, R Graw

Annual Conference: 1989, Vol. 8

Paper ID: 89-128.5

Fog and Rain Chemistry in Northern California

Author(s): SH Bicknell

Annual Conference: 1989, Vol. 8

Paper ID: 89-128.6

Use of Quality Control Procedures to Assess Errors in Measuring Forest Canopy Condition

Author(s): SP Cline, WG Burkman, CD Geron

Annual Conference: 1989, Vol. 8

Paper ID: 89-129.1

Early Detection of Air Pollution Injury to Coniferous Forests Using Remote Sensing

Author(s): SL Ustin, SN Martens, B Curtiss, VC Vanderbilt

Annual Conference: 1989, Vol. 8

Paper ID: 89-129.2

Ozone Injury and Growth Trends of Ponderosa Pine in the Sierra Nevada

Author(s): D Peterson, M Arbaugh, L Robinson

Annual Conference: 1989, Vol. 8

Paper ID: 89-129.3

Photochemical Oxidant Injury to Ponderosa Pine (Pinus-Ponderosa Laws) and Jeffrey Pine (Pinus Jeffrey Grev and Balf.) in the National Parks of the Sierra Nevada of California

Author(s): DM Duriscoe, KW Stolte Annual Conference: 1989, Vol. 8

Paper ID: 89-129.4

Ozone Injury to Jeffrey and Ponderosa Pines Surrounding Lake Tahoe, California and Nevada

Author(s): BS Pedersen

Annual Conference: 1989, Vol. 8

Paper ID: 89-129.5

Trend of Ozone Damage to Conifer Forests Between 1974 and 1988 in the San Bernardino Mountains of Southern California

Author(s): PR Miller, SL Schilling, A Gomez, JR McBride

Annual Conference: 1989, Vol. 8

Paper ID: 89-129.6

Immunologic Effects of UV-B Radiation

Author(s): ML Kripke

Annual Conference: 1989, Vol. 1

Paper ID: 89-13.2

Ultraviolet Radiation and the Eye

Author(s): HR Taylor

Annual Conference: 1989, Vol. 1

Paper ID: 89-13.3

Indirect Health Effects of Acid Precipitation-A European Perspective

Author(s): DR. T Schneider Annual Conference: 1989, Vol. 1

Paper ID: 89-13.5

Current and Potential Threats to Biodiversity in Forests of the Lower Pacific Coast States

Author(s): S Henderson, R Olson, R Noss

Annual Conference: 1989, Vol. 8

Paper ID: 89-130.1

Comparison of Aircraft and Satellite Sensors for Monitoring Air Pollution Effects on Forest

Author(s): CD Elvidge, CA Fox Annual Conference: 1989, Vol. 8

Paper ID: 89-130.2

Analysis of Growth Trends and Variation in Conifers from Arizona and New Mexico

Author(s): DA Gray, MR Rose Annual Conference: 1989, Vol. 8

Paper ID: 89-130.5

Risks to California Forests Due to Regional Ozone Pollution: A Data Base and Ranking of Forest Sensitivity

Author(s): DC Peterson, Jr. Annual Conference: 1989, Vol. 8

Paper ID: 89-130.6

Photosynthetic Response of Giant Sequoia Seedlings and Rooted Branchlets of Mature Foliage to Ozone Fumigation

Author(s): NE Grulke, PR Miller, RD Wilborn, S Hahn

Annual Conference: 1989, Vol. 8

Paper ID: 89-131.1

Effects of Photochemical Smog on the Growth and Physiology of Ponderosa Pine Seedlings Grown Under N and M Deficiencies

Author(s): AJ Bynerowicz, BK Takemoto

Annual Conference: 1989, Vol. 8

Paper ID: 89-131.2

Specific Leaf Weight and Other Characteristics of Ponderosa Pine as Related to Visible Ozone Injury

Author(s): DM Ewell, LAC Mazzu, DM Duriscoe

Annual Conference: 1989, Vol. 8

Paper ID: 89-131.3

Sensitivity of Important Western Conifer Species to SO2 and Seasonal Interaction of Acid Fog and Ozone

Author(s): WE Hogsett, DT Tingey Annual Conference: 1989, Vol. 8

Paper ID: 89-131.4

Potential Effect of Premature Needle Loss on the Foliar Biomass and Nutrient Retention of Lodgepole Pine

Author(s): AW Schoettle Annual Conference: 1989, Vol. 8

Paper ID: 89-131.6

Effects of Ambient Ozone on Field Grown Douglas Fir Saplings in Open-Top Chambers

Author(s): W Schapp, D Wang Annual Conference: 1989, Vol. 8

Paper ID: 89-132.2

Nutrient Effects on Responses of Willow and Alder to Ozone

Author(s): CS Greitner, WE Winner Annual Conference: 1989, Vol. 8

Paper ID: 89-132.3

The Seasonal Variation in Sensitivity to Ozone Within and Between Four Populations of Sitka Spruce of Different Seed Origin

Author(s): A Willson, RC Boswell Annual Conference: 1989, Vol. 8

Paper ID: 89-132.4

Seasonal Physiological Responses of Ozone Stressed Jeffrey Pine in Sequoia National Park, California

Author(s): MT Patterson, PW Rundel Annual Conference: 1989, Vol. 8

Paper ID: 89-132.5

Comparative Evaluation of NAPAP'S Illustrative Future Scenarios

Author(s): J Malanchuk, C Herrick, R Dennis

Annual Conference: 1989, Vol. 7

Paper ID: 89-133.10

Dry Deposition of Nitrate and Sulfate to Coniferous Canopies in the Rocky Mountains

Author(s): H Stevering, J Braus, J Caine

Annual Conference: 1989, Vol. 8

Paper ID: 89-133.2

Ozone Deposition and Leap Area Index at the Pawnee National Grassland for the 1988 Growing Season

Author(s): KF Zeller, DL Hazlett Annual Conference: 1989, Vol. 8

Paper ID: 89-133.3

Regional Ozone in Western Washington and Southwest British Columbia

Author(s): FA Basabe, RL Edmonds, TV Larson

Annual Conference: 1989, Vol. 8

Paper ID: 89-133.4

Air Quality at a High Elevation, Remote Site in Western Canada

Author(s): AH Legge, SV Krupa Annual Conference: 1989, Vol. 8

Paper ID: 89-133.5

Ozone at a Remote, High-Altitude Site in Sequoia National Park, California

Author(s): BS Pedersen, TA Cahill Annual Conference: 1989, Vol. 8

Paper ID: 89-133.6

The Effect of Nitrogen Accumulation and Nitrification on Soil Chemical Properties in Alder Forests

Author(s): HV Miegroet, DW Cole, P Sollins

Annual Conference: 1989, Vol. 8

Paper ID: 89-134.1

Microorganisms as Mediators of Acid Deposition Effects in Forest Soils

Author(s): DD Myrold, GE Nason Annual Conference: 1989, Vol. 8

Paper ID: 89-134.3

Biogeochemical Aspects of Aluminum in a Sierran Subalpine Lake Watershed

Author(s): DJ Herman, PW Rundel, AD Brown, LJ Lund, WL

Berry, MA Lueking, TV St. John, KA Tonnessen

Annual Conference: 1989, Vol. 8

Paper ID: 89-134.4

Forest Soil Sulfur Pools and SO2-Adsorption Capacity Following Elevated Inputs of SO2

Author(s): RB Harrison, DW Johnson, DE Todd

Annual Conference: 1989, Vol. 8

Paper ID: 89-134.5

Soil Solution Equilibria in Lysimeter Leachates Under Red Alder

Author(s): JO Reuss

Annual Conference: 1989, Vol. 8

Paper ID: 89-134.7

A Regional Characterization of Air Quality and Deposition in the Coniferous Forests of the Western United States

Author(s): M Bohm

Annual Conference: 1989, Vol. 8

Paper ID: 89-135.1

Regional Growth Trends of Three Western Conifers as Related to Ozone

Author(s): GA Reams, RK Olson Annual Conference: 1989, Vol. 8

Paper ID: 89-135.2

Sensitivity of Forest Soils in the Western U.S. To Acidic Deposition

Author(s): D Binkley

Annual Conference: 1989, Vol. 8

Paper ID: 89-135.3

Future Challenges for Air Pollution and Forest Ecosystem Research in the West

Author(s): AR Kiester

Annual Conference: 1989, Vol. 8

Paper ID: 89-135.4

Planning High Resolution Emission Databases Learning from the SCAQS Experience

Author(s): WR Oliver, MJ Thompson Annual Conference: 1989, Vol. 8

Paper ID: 89-137.1

Development of a Gridded Motor Vehicle Emission Inventory for the Southern California Air Quality Study

Author(s): EE Yotter, DL Wade Annual Conference: 1989, Vol. 8

Paper ID: 89-137.2

On-Road Vehicle Emission from Measurements in a Los Angeles Area Tunnel

Author(s): MN Ingalls

Annual Conference: 1989, Vol. 8

Paper ID: 89-137.3

Estimating Heavy Duty Vehicle Emissions in the South Coast Air Basin

Author(s): DH Iwai

Annual Conference: 1989, Vol. 8

Paper ID: 89-137.4

Emission Source Characterization Data for the Southern California Air Quality Study

Author(s): JJ Shah, JA Rau, SL Heisler Annual Conference: 1989, Vol. 8

Paper ID: 89-137.5

Approach to Developing the Southern California Air Quality Study (SCAQS) High-Resolution Ammonia Emission Inventory

Author(s): RJ Dickson, WR Oliver Annual Conference: 1989, Vol. 8

Paper ID: 89-137.6

Perfluorocarbon Tracer Experiments During the Southern California Air Quality Study

Author(s): WG England, LH Teuscher, S Marsh

Annual Conference: 1989, Vol. 8

Paper ID: 89-138.1

Ground Release SF6 Tracer Experiments Used to Characterize Transport and Dispersion of Atmospheric Pollutants During the Southern California Air Quality Study of 1987

Author(s): RS Horrell, M Deem, P Wyckoff, F Shair, N

Crawford

Annual Conference: 1989, Vol. 8

Paper ID: 89-138.2

Data Management for the Southern California Air Quality Study

Author(s): BE Croes, JF Collins Annual Conference: 1989, Vol. 8

Paper ID: 89-138.6

Overview and Analysis of Hydrocarbon Samples During the Summer Southern California Air Quality Study

Author(s): L Stockburger, KT Knapp, TG Ellestad

Annual Conference: 1989, Vol. 8

Paper ID: 89-139.1

In-Situ Pathlength Differential Optical Absorption Spectroscopy (DOAS) Measurements of Gaseous Species During the 1987 SCAQ Program

Author(s): AM Winer, HW Biermann Annual Conference: 1989, Vol. 8

Paper ID: 89-139.3

Measurements of NO2, 03, Pan, HN3,H202 and H2CO During the Southern California Air Quality Study

Author(s): J Drummond, H Schiff, D Karecki, G Mackay

Annual Conference: 1989, Vol. 8

Paper ID: 89-139.4

Atmospheric Hydrogen Peroxide Measurements During the 1987 Southern California Air Quality Study

Author(s): J Downs, CC Lin, ML On, R Tanner, E Ferreri

Annual Conference: 1989, Vol. 8

Paper ID: 89-139.5

Peroxyacetyl Nitrate Measurements During Scaqs

Author(s): EL Williams, D Grosjean Annual Conference: 1989, Vol. 8

Paper ID: 89-139.6

A Multi-Component Size Classifying Aerosol and Gas Sampler for Ambient Air Monitoring

Author(s): D Fitz, M Chan, G Cass, D Lawson

Annual Conference: 1989, Vol. 8

Paper ID: 89-140.1

Southern California Air Quality Study SCAQS Sampler Chemistry

Author(s): RJ Countess

Annual Conference: 1989, Vol. 8

Paper ID: 89-140.2

Elemental Mass Determinations of PM 2.5 and PM 10 Particles By X-Ray Fluorescence from the 1987 Southern California Air Quality Study

Author(s): K Knapp, T Ellestad, L Stockburger

Annual Conference: 1989, Vol. 8

Paper ID: 89-140.3

Total Elemental Analysis of Filters in SCAQS

Author(s): T Cahill, R Matsumura, B Perley, R Eldred, K

Wilkinson, B Kusko

Annual Conference: 1989, Vol. 8

Paper ID: 89-140.5

Dry Deposition onto Aerodynamic Surfaces and Vegetation

Author(s): YL Wu, C Davidson Annual Conference: 1989, Vol. 8

Paper ID: 89-140.6

Measurement of the Dry Deposition of Sulfate and Nitrate in the Los Angeles Basin

Author(s): K Noll, K Fang, PF Yuen Annual Conference: 1989, Vol. 8

Paper ID: 89-140.7

Dry Deposition of Atmospheric Aerosols by Dual Tracer Method

Author(s): HH Main, SK Friedlander Annual Conference: 1989, Vol. 8

Paper ID: 89-140.8

Size Distributions of Aerosol, Sulfate, Nitrate, Carbonyl and Aliphatic Carbon During the SCAOS Period

Author(s): D Allen, S Hering Annual Conference: 1989, Vol. 8

Paper ID: 89-141.2

Multimodal Characteristics of Inorganic Particle Size Distributions During Scaqs

Author(s): W John, S Wall, J Ondo, W Winklmayr

Annual Conference: 1989, Vol. 8

Paper ID: 89-141.3

Organic and Elemental Carbon Size Distributions of Los Angeles Aerosols measured During Scaqs

Author(s): PH McMurry, M Anderson Annual Conference: 1989, Vol. 8

Paper ID: 89-141.4

Real Time Measurement of the Size Fractionation of Aerosol Black Carbon During the Southern California Air Quality Study, June 13-Steptember 4, 1987, Claremont College, California

Author(s): ADA Hansen, T Novakov Annual Conference: 1989, Vol. 8

Paper ID: 89-141.5

On the Sensitivity of Particle Size to Relative Humidity for Los Angeles Aerosols

Author(s): PH McMurry, MR Stolzeburg

Annual Conference: 1989, Vol. 8

Paper ID: 89-141.6

Coordinating Air and Superfund Activities in EPA

Author(s): J Padgett, J Vickery Annual Conference: 1989, Vol. 8

Paper ID: 89-142.1

Procedures for Conducting Air Pathway Analysis at Superfund Sites Baseline Emission Estimates

Author(s): M McDonough, CE Schmidt Annual Conference: 1989, Vol. 8

Paper ID: 89-142.2

Procedures for Estimating Emissions from the Cleanup of Superfund Sites

Author(s): B Eklund, J Summerhays Annual Conference: 1989, Vol. 8

Paper ID: 89-142.3

Procedures for Conducting Air Pathway Analyses at Superfund Sites

Author(s): ME Garrison, AJ Cimorelli Annual Conference: 1989, Vol. 8

Paper ID: 89-142.4

Followup Report on the Continued Use of EPA'S Synthetic Soil Matrix (SSM) as a Test Medium for New Treatment Technology Demonstrations

Author(s): S Rosental, P Esposito, RP Traver

Annual Conference: 1989, Vol. 8

Paper ID: 89-142.6

The Federal Underground Storage Tank Regulatory Program an Overview

Author(s): DL Olschewsky, DL Caputo Annual Conference: 1989, Vol. 9

Paper ID: 89-143.1

Underground Storage Tanks-A Federal Perspective

Author(s): WN Rhea

Annual Conference: 1989, Vol. 9

Paper ID: 89-143.2

Risk Management Tools for Setting Tank Management Strategies

Author(s): V Niemeyer, R Richels, F Selker, A Smith

Annual Conference: 1989, Vol. 9

Paper ID: 89-143.3

Supervising Underground Storage Tank Installations; Working with Contractors

Author(s): AD Young

Annual Conference: 1989, Vol. 9

Paper ID: 89-143.4

Hydrocarbon Vapor Concentrations Adjacent to Tight Underground Gasoline Storage Tanks

Author(s): TB Payne, PB Durgin Annual Conference: 1989, Vol. 9

Paper ID: 89-143.5

Survey of External Hydrocarbon Detectors for Underground Storage Tanks

Author(s): RD Achord

Annual Conference: 1989, Vol. 9

Paper ID: 89-143.6

The Chemical Characterization of Agricultural Sources of PM10 Particles in the San Joaquin and Imperial Valleys of California

Author(s): JE Houck, JC Chow, MS Ahuja

Annual Conference: 1989, Vol. 9

Paper ID: 89-145.1

Tracking the Sources of Indoor Aerosols Using Combustion-Evolved Gas Analysis

Author(s): JM Daisey, LA Gundel Annual Conference: 1989, Vol. 9

Paper ID: 89-145.3

Do Residential Wood Smoke Particles Lose Organic Carbon During Their Atmospheric Residence Time?--A Reception Modeling Study

Author(s): JA Rau

Annual Conference: 1989, Vol. 9

Paper ID: 89-145.5

Source Apportionment by Factors with Explicit Restrictions (Safer) Result for Los Angeles PM-10 Data

Author(s): BM Kim, RC Henry Annual Conference: 1989, Vol. 9

Paper ID: 89-145.6

Climate Changes and the Western United States Impacts and Responses

Author(s): Dr. PH Gleick Annual Conference: 1989, Vol. 9

Paper ID: 89-148.1

Prediction of Climate Change Effects on Water Quality in Streams and Reservoirs in the Southeastern United States

Author(s): NE Carriker, NA Nielsen Annual Conference: 1989, Vol. 9

Paper ID: 89-148.2

Sources and Sinks of Radioactively Important Trace Gases in the Biosphere

Author(s): J Rogers, D Lewis, L Burns, R Lassiter, R Zepp

Annual Conference: 1989, Vol. 9

Paper ID: 89-148.4

Contribution of Deforestation to Atmospheric CO2 and Reforestation as an Option to Control CO2

Author(s): JD Kinsman, G Marland Annual Conference: 1989, Vol. 9

Paper ID: 89-148.5

Climate Scenarios and Impact Assessments

Author(s): PJ Robinson

Annual Conference: 1989, Vol. 9

Paper ID: 89-148.6

Criteria for Selecting a CO2/Climate Change Region of Study

Author(s): R Cushman, W Easterling, N Rosenberg, T

Malone, J Edmonds, M Scott, G Stokes Annual Conference: 1989, Vol. 9

Paper ID: 89-148.7

Seasonal Trends Among PM10 Crustal Elements in California

Author(s): DW Davis

Annual Conference: 1989, Vol. 9

Paper ID: 89-149.3

Development of a Microcomputer Based System for Determining PM 10 Emissions from Several Fugitive Dust

Author(s): WR Barnard, G Gschwandtner

Annual Conference: 1989, Vol. 1

Paper ID: 89-14A.1

Evaluation of Continuous Emission Monitoring Data from Municipal Solid Waste Incineration

Author(s): fd Buckman, FW Conley, TT Shen

Annual Conference: 1989, Vol. 1

Paper ID: 89-14A.2

On the Development of a Prototype Expert System to Help the Operation of Rotary Kiln Incinerators in Off-Normal Situations

Author(s): XP Yang, D Okrent Annual Conference: 1989, Vol. 1

Paper ID: 89-14A.3

A Microcomputer Model of Volatile Organic Emissions from Surface Impoundments

Author(s): MB Rogozen
Annual Conference: 1989, Vol. 1

Paper ID: 89-14A.4

Expert Systems for Radon Mitigation

Author(s): mr Brambley, RL Hanlon, GB Parker, RC Stratton

Annual Conference: 1989, Vol. 1

Paper ID: 89-14A.5

Application of State of the Art Computer Hardware and Software to Achieve Automated Environmental

Compliance and Reporting

Author(s): JD Rouge, CJ MacGregor Annual Conference: 1989, Vol. 1

Paper ID: 89-14A.6

Improved Techniques for Assessing Plume Visual Impact

Author(s): DB Joseph, RG Ireson Annual Conference: 1989, Vol. 1

Paper ID: 89-14B.2

Versatile PC Based Acquisition and Control System: Automation of EPA's Air Toxics Control Laboratory

Author(s): CM Nunez, R Machilek Annual Conference: 1989, Vol. 1

Paper ID: 89-14B.3

Mexico City Aerosol Study PM-10 Sampling and Analysis

Author(s): YI Falcon, CR Ramirez, L Nuno, ML Sanchez

Annual Conference: 1989, Vol. 2

Paper ID: 89-15.1

Air Pollution Control Tactic in Urban Areas-A Case Study in Taipei

Author(s): FT Jeng, JH Tsai Annual Conference: 1989, Vol. 2

Paper ID: 89-15.2

Pan American Health Organization World Health Organization and World Bank Programs on Air Pollution in Latin America

Author(s): A Garza

Annual Conference: 1989, Vol. 2

Paper ID: 89-15.3

French Policy for Air Pollution Abatement in France

Author(s): JP Olier

Annual Conference: 1989, Vol. 2

Paper ID: 89-15.4

Concentrations of Nitrates and Sulfates in Total Suspended and Respirable as a Result of Air Pollution Control Strategies in Mexico City

Author(s): HA Bravo, RC Camcho, MIR Saavedra, RE Sosa,

RJ Torres

Annual Conference: 1989, Vol. 2

Paper ID: 89-15.5

Effects of Indoor Pollutants on Respiratory Symptoms and Lung Function of a General Population Sample in North Italy

Author(s): G Viegi, P Paoletti, L Carrozzi, M Vellutini, F Di

Pede, C Giuntini, MD Lebowitz Annual Conference: 1989, Vol. 2

Paper ID: 89-15.7

Elemental Analysis of Airborne Particulate from Three Characteristic Cities in Chile

Author(s): CM Romo-Kroger Annual Conference: 1989, Vol. 2

Paper ID: 89-15.8

Indoor Pollution Measurements in a Business Building in Mexico City

Author(s): HA Bravo, RC Camcho, MIR Saavedra, RE Sosa,

RJ Torres, FG Perrin

Annual Conference: 1989, Vol. 2

Paper ID: 89-15.9

Results of Applying Wind and Dispersion Models in Complex Topography

Author(s): DG Ross, G Lorimer, DG Fox, I Smith

Annual Conference: 1989, Vol. 9

Paper ID: 89-150.1

Uncertainties in the Offshore and Coastal Dispersion (OCD) Model

Author(s): DC DiChistofaro, SR Hanna Annual Conference: 1989, Vol. 9

Paper ID: 89-150.2

Slab/Degadis Model Predictions Versus Wind Tunnel Observations for Homogeneous and Heterogeneous Roughness

Author(s): RL Petersen, MA Ratcliff Annual Conference: 1989, Vol. 9

Paper ID: 89-150.5

Wind Tunnel Modeling of Roadways: Comparison with Mathematical Models

Author(s): KC Heidorn, MC Murphy, ae Davies

Annual Conference: 1989, Vol. 9

Paper ID: 89-150.7

Particulate Characterization at Remote Sites Across the U.S.;: First Year Results of the NPS/Improve Network

Author(s): RA Eldred, TA Cahill, LK Wilkinson, PJ Feeney,

WC Malm

Annual Conference: 1989, Vol. 9

Paper ID: 89-151.3

Comparison of Three Measures of Visibility Extinction in Denver, Colorado

Author(s): JG Watson, JC Chow, LC Pritchett, LW Richards, DL Dietrich, J Molenar, J Faust, SR Anderson, C Sloane Annual Conference: 1989, Vol. 9

Paper ID: 89-151.4

The Coefficient of Optical Absorption from Particles Deposited on Filters: Integrating Plate, Integrating Sphere and Coefficient of Haze Measurements

Author(s): D Campbell, S Copeland, T Cahill, R Eldred, C

Cahill, J Vesenka

Annual Conference: 1989, Vol. 9

Paper ID: 89-151.6

On the Wavelength of the Extinction Coefficient of the Atmospheric Aerosol as a Function of Location and **Meteorological Conditions**

Author(s): RM Hitzenberger Annual Conference: 1989, Vol. 9

Paper ID: 89-151.7

Speciated Hydrocarbon and NOx Comparison at SCAQS Source and Receptor Sites

Author(s): WA Lonneman, RC Seila, W Ellenson

Annual Conference: 1989, Vol. 9

Paper ID: 89-152.05

Comparison of Atmospheric Nitrous Acid Measurements by Annular Denuder and Differential Optical Absorption Systems

Author(s): BR Appel, Y Tokiwa, AM Winer, HW Biermann

Annual Conference: 1989, Vol. 9

Paper ID: 89-152.1

Measurements of Nitric Acid and Particulate Nitrate by Transition-flow Reactor During the 1987 Southern Air Quality Study

Author(s): TG Ellestad, L Stockburger, KT Knapp

Annual Conference: 1989, Vol. 9

Paper ID: 89-152.2

Carbonyl Observations During the SCAQS

Author(s): K Fung

Annual Conference: 1989, Vol. 9

Paper ID: 89-152.3

Gas Phase Formic Acid and Acetic Acid During SCAQS

Author(s): D Grosjean

Annual Conference: 1989, Vol. 9

Paper ID: 89-152.4

Response of Ozone to Changes in Hydrocarbon and Nitrogen Oxide Concentrations in Outdoor Smog Chambers Filled with Los Angeles Air

Author(s): NA Kelly, RF Gunst Annual Conference: 1989, Vol. 9

Paper ID: 89-152.6

Measurement of Atmospheric Elemental Carbon: Real Time Data for Los Angeles During Summer 1987

Author(s): KM Adams, LI Davis, SM Japar, DR Finley, RA

Annual Conference: 1989, Vol. 9

Paper ID: 89-153.2

Secondary Formation of Organic Aerosol in the Los Angeles Basin: Investigation of the Diurnal Variations of Organic and Elemental Carbon

Author(s): B Turpin, J Huntzicker Annual Conference: 1989, Vol. 9

Paper ID: 89-153.3

Contemporary Carbon in Atmospheric Fine Particles in Los Angeles During the 1987 SCAQS

Author(s): IR Kaplan, RJ Gordon Annual Conference: 1989, Vol. 9

Paper ID: 89-153.4

Intercomparison of Photoacoustic and Thermal-Optical Methods for the Measurement of Atmospheric Elemental Carbon

Author(s): KM Adams, BJ Turpin, JJ Huntzickers

Annual Conference: 1989, Vol. 9

Paper ID: 89-153.5

Response of a PMS Las-X-Laser Optical Counter to Monodisperse Atmospheric Aerosols

Author(s): SV Hering, PH McMurry Annual Conference: 1989, Vol. 9

Paper ID: 89-153.7

Evaluation of the Performance of an Object Empirical PM10 Prediction Model in the South Coast Air Basin During Scaqs

Author(s): JC Cassmassi

Annual Conference: 1989, Vol. 9

Paper ID: 89-153.8

Size -Resolved Aerosols and Visibility During the Southern California Air Quality Study

Author(s): T Cahill, R Matsumura, P Wakabayashi, M Surovik

Annual Conference: 1989, Vol. 9

Paper ID: 89-154.3

Measurement of Atmospheric Aerosol Optical Parameters: Impact of Aerosols on Visibility in Los Angeles

Author(s): SM Japar, KM Adams, LI Davis, DR Finley

Annual Conference: 1989, Vol. 9

Paper ID: 89-154.5

Atmospheric Light Transmittance and Path Radiance Measurements During the Southern California Air Quality Study

Author(s): LW Richards

Annual Conference: 1989, Vol. 9

Paper ID: 89-154.6

Telephotometer Measurements and Retrieved Size and Humidity Dependent Mass Increase Coefficients of the Aerosol Size Distribution

Author(s): R Hitzenberger, H Horvath, R Rizzi

Annual Conference: 1989, Vol. 9

Paper ID: 89-154.7

Solid Waste Assessment Test Results from Landfills in the San Francisco Bay Area

Author(s): W Siu, DA Levaggi, TF Brennan

Annual Conference: 1989, Vol. 9

Paper ID: 89-155.2

A Critical Review of Mathematical Models of Air Toxic Emissions from Landfills

Author(s): C Seigneur

Annual Conference: 1989, Vol. 9

Paper ID: 89-155.3

Optimization of Testing for Landfill Gas Collection and Combustion Systems

Author(s): SM van Slyke, TA Kraemer, RA Kester,

Annual Conference: 1989, Vol. 9

Paper ID: 89-155.6

Reduced NOx Emissions from Waste Management's Gas Solar Centaur Turbines

Author(s): G Maxwell

Annual Conference: 1989, Vol. 9

Paper ID: 89-155.7

Application of a Luminol Based Chemiluminescent No Analyzer for Continuous Monitoring

Author(s): AM Sacco

Annual Conference: 1989, Vol. 9

Paper ID: 89-156.2

Determining Concentration Gradients of Gaseous and Particulate Species Using Slow-Response Samplers

Author(s): S Randtke, D Lane, P Torrey

Annual Conference: 1989, Vol. 9

Paper ID: 89-156.4

Adaptation of Autocolorimetry for Filter Pack Analysis

Author(s): B Wright, K Fung, S Heisler

Annual Conference: 1989, Vol. 9

Paper ID: 89-156.5

Quality Control on Chemical Composition of Remote Precipitation Samples

Author(s): CS Yuan, FT Jenq, PC Chiang

Annual Conference: 1989, Vol. 9

Paper ID: 89-156.6

On the Relation Between the Size and Composition of Fog and Cloud Droplets and the Size and Composition of Atmospheric Aerosol

Author(s): SN Pandis, JH Seinfeld, C Pilinis

Annual Conference: 1989, Vol. 9

Paper ID: 89-157.1

The Role of Ammonia in Sulfate Formation in Cloud and Fog Water Droplets

Author(s): MA Ferman, PJ Groblicki Annual Conference: 1989, Vol. 9

Paper ID: 89-157.2

Measurement of the Dry Deposition of Nitrogen Oxides to a Prairie Ecosystem by Eddy Correlation

Author(s): DW Stocker, DH Stedman, WJ Massman, KF

Zeller, DG Fox

Annual Conference: 1989, Vol. 9

Paper ID: 89-157.5

Estimates of Dry Depositional Fluxes to a Forest Canopy in Eastern Kansas

Author(s): D Lane, G Marotz, S Randtke

Annual Conference: 1989, Vol. 9

Paper ID: 89-157.6

A Survey of Factors Influencing Residential Air Quality in Roanoke, Virginia

Author(s): T Johnson

Annual Conference: 1989, Vol. 9

Paper ID: 89-159.2

Source Apportionment of Indoor Aerosols: A Study at Two United States Cities

Author(s): S Santanam, JD Spengler Annual Conference: 1989, Vol. 9

Paper ID: 89-159.4

Modeling for Air Toxics: Quantifying Indoor and Outdoor Exposures and Assessing Health Risks.

Author(s): SM McCarthy, B Burbank Annual Conference: 1989, Vol. 9

Paper ID: 89-159.5

Impact of Designated Smoking Area Policy on Nicotine Vapor and Particle Concentrations in a Modern Office Building

Author(s): WA Vaughan, SK Hammond

Annual Conference: 1989, Vol. 9

Paper ID: 89-159.6

A Fundamental Study of the Rate of Thermal Desorption of Contaminants from Soil Beds

Author(s): J Lighty, E Eddings, BX Xue, L Van Os, D

Pershing

Annual Conference: 1989, Vol. 9

Paper ID: 89-160.5

Positive Experiences of Transportable Incineration Systems

Author(s): JB Monn, JH Lanier Annual Conference: 1989, Vol. 9

Paper ID: 89-160.5

Personal Exposures to Acidic Aerosols and Gases

Author(s): M Barauer, P Koutrakis, J Spengler

Annual Conference: 1989, Vol. 9

Paper ID: 89-161.1

In-Vehicle Air Toxics Characterization Study in the South Coast Air Basin of California

Author(s): B Shikiya, CS Liu, MI Kahn, W Barcilowski, J

Juarros

Annual Conference: 1989, Vol. 9

Paper ID: 89-161.2

Exposure and Risk Assessment of Chromium Electroplaters

Author(s): J Vandenberg, A Smith, K Blanchard

Annual Conference: 1989, Vol. 9

Paper ID: 89-161.5

Development of a Total Human Exposure Program in New Jersey

Author(s): JP Butler, GB Post, PJ Lioy, jm Waldman, A

Greensberg

Annual Conference: 1989, Vol. 9

Paper ID: 89-161.6

Total Human Exposure: An Assessment of Future Research Needs

Author(s): W Ott, L Wallace, M Dellarco

Annual Conference: 1989, Vol. 9

Paper ID: 89-161.8

The Akron, Ohio Recycle Energy System: A Public Private Enterprise Building Performance

Author(s): HR Geisser, RL Johnson, R Kapper

Annual Conference: 1989, Vol. 9

Paper ID: 89-163.2

Bioremediation of Contaminated Soil and Sludges Boston & Maine Wastewater Lagoons Iron Horse Park Superfund Site

Author(s): J Gallagher, A Sewall Annual Conference: 1989, Vol. 9

Paper ID: 89-165.1

Demonstration of Biological Treatment Processes in the Superfund Innovative Technology Evaluation (SITE) Program

Author(s): JF Martin, RF Lewis, MK Stinson

Annual Conference: 1989, Vol. 9

Paper ID: 89-165.2

Experimental Bioremediation of a Creosote Site Using While Rot Fungus

Author(s): SD Aust

Annual Conference: 1989, Vol. 9

Paper ID: 89-165.3

In-Situ Remediation of a Railroad Tie Treatment Plant Hazardous Waste Site

Author(s): FW Flechas

Annual Conference: 1989, Vol. 9

Paper ID: 89-165.4

Design Criteria for Biofilters

Author(s): CV Lith

Annual Conference: 1989, Vol. 9

Paper ID: 89-165.5

Determination of Ambient Levels of Hexavalent Chromium by Ion Chromatography

Author(s): RP Papa, NT Castillo Annual Conference: 1989, Vol. 9

Paper ID: 89-166.1

Speciation of Nickel in Ambient Particulate Matter

Author(s): E Rabano, N Castillo, DW Davis, T Parker

Annual Conference: 1989, Vol. 9

Paper ID: 89-166.2

Comparison of Two Methods for Estimating Downwind Concentrations of Toxic Compounds Near Landfills

Author(s): LW Baker, RW Corey, PD Allen

Annual Conference: 1989, Vol. 9

Paper ID: 89-166.3

Sampling and Analysis of Selected Pesticides in Ambient Air

Author(s): MW Poore, DJ Hartmann

Annual Conference: 1989, Vol. 9

Paper ID: 89-166.4

Sampling and Analysis of 1, 3-Butadiene in Ambient Air

Author(s): MW Poore, N LaPurga Annual Conference: 1989, Vol. 9

Paper ID: 89-166.5

Environmental Performance of Five Waste -To-Energy Facilities Using Enercon Combustion Technology

Author(s): SE Smith

Annual Conference: 1989, Vol. 9

Paper ID: 89-167.1

Low Outlet Temperature Operation for Resource Recovery SDA Emission Control Systems

Author(s): JR Donnelly, KS Felsvang Annual Conference: 1989, Vol. 9

Paper ID: 89-167.2

Health Risks and the Alternatives of Resource Recovery Versus Landfills for Municipal Solid Waste

Author(s): DH Minott

Annual Conference: 1989, Vol. 9

Paper ID: 89-167.3

Technologies for Minimizing the Emission of NOx From MSW Incineration

Author(s): MJ Clarke

Annual Conference: 1989, Vol. 9

Paper ID: 89-167.4

Design Parameters of an Agglomerative and Condensing Gas Scrubber with Integral Heat Recovery on a 105 Ton Per Day Municipal Incinerator Plant

Author(s): DL Raring

Annual Conference: 1989, Vol. 9

Paper ID: 89-167.7

Lender Policies as a Driving Force for Real Estate Environmental Assessments

Author(s): D Hileman

Annual Conference: 1989, Vol. 2

Paper ID: 89-17.2

Preliminary Site Characterization by Soil Gas Surveying with a Portable Gas Chromatograph

Author(s): MJ Gander, MR Wood Annual Conference: 1989, Vol. 2

Paper ID: 89-17.4

Surface Impoundment Closure at V.H. Braunig Power Plant

Author(s): MA Newberry

Annual Conference: 1989, Vol. 2

Paper ID: 89-17.5

Methodology for Performing and Effective Environmental Site Assessment

Author(s): TA Nichols, CG Pollock Annual Conference: 1989, Vol. 2

Paper ID: 89-17.6

Commercial Utilization of SO2 Removal Wastes in the Application of New and Advanced Control Technologies

Author(s): W Ellison, DS Henzel Annual Conference: 1989, Vol. 2

Paper ID: 89-18.1

Demonstration Testing of a Cyclone Coal Combustor on an Oil Designed Packaged Boiler to Meet Air/Water/Solid Emission Standards

Author(s): B Zanderer, E Fleming Annual Conference: 1989, Vol. 2

Paper ID: 89-18.2

The CT-121 FGD System Monitoring Project of the University of Illinois Abbott Plant--A Preliminary Evaluation

Author(s): AV Someshwar, S Bhagat, PK Hopke, G Malle, GE

Stevens

Annual Conference: 1989, Vol. 2

Paper ID: 89-18.3

Advanced On-Site Flue Gas Desulfurization Project

Author(s): PM Ashline, BS Camponeschi, T Kitamori, TJ

Roth

Annual Conference: 1989, Vol. 2

Paper ID: 89-18.4

Optimization of Reburning for Advanced NOx Control on Coal-Fired Boilers

Author(s): SL Chen, WR Seeker, DW Pershing

Annual Conference: 1989, Vol. 2

Paper ID: 89-18.5

Combined NOx/SO Control With Dry Sorbents

Author(s): CD Livengood JBL Harkness

Annual Conference: 1989, Vol. 2

Paper ID: 89-18.6

Life Cycle Test of the Noxso Process: Simultaneous Removal of NOx and SO2 From Flue Gas

Author(s): JL Haslbeck, WT Ma, JT Yeh, HW Pinnline, JP

Solar

Annual Conference: 1989, Vol. 2

Paper ID: 89-18.7

Improved Version of Anion-Exchange Resin-Based Desulfurization Process for Alkali Metal Sulfates

Author(s): AC Sheth, DC Modests Annual Conference: 1989, Vol. 2

Paper ID: 89-18.8

The Use of Electrons for Removal of SO and NOx from Flue Gases

Author(s): NW Frank, S Hirano Annual Conference: 1989, Vol. 2

Paper ID: 89-19.3

Retrofit of Sorbent Injection Technology on an Older Coal Fired Boiler

Author(s): RR Landreth, PV Smith Annual Conference: 1989, Vol. 2

Paper ID: 89-19.4

Industrial Boilers: Status of Oxides of Nitrogen Regulations and Control Technology in the South Coast Air Quality Management District

Author(s): RR Pease, ML Kay, AY Lee Annual Conference: 1989, Vol. 2

Paper ID: 89-19.5

NOx Emission Reduction from Gas Fired Steam Generators

Author(s): PE Brinkmann, MK Poe Annual Conference: 1989, Vol. 2

Paper ID: 89-19.6

Choosing A Technology for Simultaneous Control of NOx/Sox from Industry Boilers

Author(s): ML Davis, WJ Mikucki Annual Conference: 1989, Vol. 2

Paper ID: 89-19.8

Low Temperature Thermal Treatment of Contaminated Soil

Author(s): R Nielson, R Leuser, L Valazquez, A Chen

Annual Conference: 1989, Vol. 1

Paper ID: 89-2.2

Long-Term Field Demonstration of the Linde Oxygen Combustion System Installed on the EPA Mobile Incinerator

Author(s): MD Ho, rh Sawyer, JP Stumbar, JM Perdek

Annual Conference: 1989, Vol. 1

Paper ID: 89-2.3

A Laboratory Assessment of Burning Chemical Plant Wastewater Treatment Sludges in Rotary Kiln Incinerators

Author(s): WY Wang

Annual Conference: 1989, Vol. 1

Paper ID: 89-2.5

Management and Control of Combustion Excursions from Rotary Kiln Incinerators

Author(s): RW Wood, RE Bastian, JM Osborne, A Sigg, JD

Wilson

Annual Conference: 1989, Vol. 1

Paper ID: 89-2.7

Municipal Solid Waste Opportunity or Problem?

Author(s): CR McGowin

Annual Conference: 1989, Vol. 2

Paper ID: 89-20.1

Municipal Waste Incinerator Permitting New Jersey

Author(s): I Atay, J Kelly Annual Conference: 1989, Vol. 2

Paper ID: 89-20.2

Environmental Test Results from the Stanislaus County, California Resource Recovery Facility

Author(s): JL Hahn, DS Sofaer Annual Conference: 1989, Vol. 2

Paper ID: 89-20.4

Control of NOx from Waste-to-Energy Facilities

Author(s): R Pease, M Nazemi, S Ebiner, R Millican

Annual Conference: 1989, Vol. 2

Paper ID: 89-20.5

Utility Operating Experience with MSW.RDF

Author(s): E Kowalski, MJ Fritsch Annual Conference: 1989, Vol. 2

Paper ID: 89-20.6

Permitting Hazardous Waste Incinerators: A California Perspective on the Trial Burn Process

Author(s): DA Bolton, GD Hinshaw Annual Conference: 1989, Vol. 2

Paper ID: 89-21.2

Preparing for RCRA Incinerator Inspections

Author(s): BA Boomer, SP Schlesser Annual Conference: 1989, Vol. 2

Paper ID: 89-21.4

Emission Test Results for the Municipal Solid Waste Incinerator at Hamm

Author(s): JR Barrow

Annual Conference: 1989, Vol. 2

Paper ID: 89-23A.1

Problem Workbook in Hazardous Waste Incineration

Author(s): J Reynolds, L Theodore Annual Conference: 1989, Vol. 2

Paper ID: 89-23A.2

Incinerating Hazardous Wastes Needs a Systems Approach

Author(s): P Rooney

Annual Conference: 1989, Vol. 2

Paper ID: 89-23A.3

Operating Experience and Performance of a Dry Injection Scrubbing System on a Municipal Waste Incinerator

Author(s): RM Darcey, HP Beutner Annual Conference: 1989, Vol. 2

Paper ID: 89-23A.4

Application of Low NOx Precombustor Technology to the Incineration of Nitrogenated Wastes

Author(s): RK Srivastava, JV Ryan, WP Linak, RE Hall, JA

McSorley

Annual Conference: 1989, Vol. 2

Paper ID: 89-23A.5

Comparison of Actual Versus Predicted HCI Concentrations in a Pilot Liquid Incinerator

Author(s): RL Abbuhl

Annual Conference: 1989, Vol. 2

Paper ID: 89-23A.6

Fundamental Study of Particle Formation and Dynamics in a Bench Scale Flame Incinerator

Author(s): V Sethi, P Biswas Annual Conference: 1989, Vol. 2

Paper ID: 89-23B.1

Dry Lime Injection for Acid Gas Control In Municipal Waste Incinerators

Author(s): AH Beckman, DR Spahn Annual Conference: 1989, Vol. 2

Paper ID: 89-23B.2

Evaluation of Incineration as an Alternative Treatment Technology for Sludge Generated from Acrylonitrile Production

Author(s): ER Krishman, RJ Turner Annual Conference: 1989, Vol. 2

Paper ID: 89-23B.3

Pilot Scale Testing of SF6 as a Hazardous Waste Incinerator Surrogate

Author(s): IR Waterland, LJ Staley Annual Conference: 1989, Vol. 2

Paper ID: 89-23B.4

Retrofitting Air Pollution Controls to Existing Incinerators

Author(s): HL Marschall, HW Spencer, HH Elliott

Annual Conference: 1989, Vol. 2

Paper ID: 89-23B.6

Two-Stage DeNox Process Test Data for 300 MSW Incineration Plant

Author(s): DG Jones, LJ Muzio, E Stocker, PC Nuesch, KK

Ofenbau, S Negrea, G Lautenschlager, G Rose

Annual Conference: 1989, Vol. 2

Paper ID: 89-23B.7

Overview of the Methodologies Used to Compile Large Scale Emissions Inventories

Author(s): CM Benkovitz Annual Conference: 1989, Vol. 2

Paper ID: 89-24.1

Experimental Studies of the Effects of Moisture on Dust Emission Potential

Author(s): C Cowherd, Jr., M A Grelinger

Annual Conference: 1989, Vol. 2

Paper ID: 89-24.11

Uncertainties in the NAPAP 1985 Emission Inventory

Author(s): FM Sellars, WB Norris Annual Conference: 1989, Vol. 2

Paper ID: 89-24.2

Improvements to the Canadian Data for the 1985 NAPAP Emissions Inventory

Author(s): AM Kosteltz, MG Deslauriers

Annual Conference: 1989, Vol. 2

Paper ID: 89-24.3

Uncertainties in Emission Factor Estimates of Dust from Unpaved Roads

Author(s): AL Williams, GJ Stensland Annual Conference: 1989, Vol. 2

Paper ID: 89-24.6

Development of Procedures for Establishing the Uncertainties of Emission Estimates

Author(s): Y Horie, AL Shrope Annual Conference: 1989, Vol. 2

Paper ID: 89-24.7

Evaluation of Emission Inventory Uncertainty Estimation Procedures

Author(s): RL Dickson, AD Hobbs Annual Conference: 1989, Vol. 2

Paper ID: 89-24.8

Prescribed Fired in Southern California Managing Conflicts of Public Safety and Air Quality

Author(s): SE Franklin

Annual Conference: 1989, Vol. 2

Paper ID: 89-25.1

Particle and Trace Element Production from Fires in the Chaparral Fuel Type

Author(s): W Einfeld, B Mokler, D Morrison, B Zak

Annual Conference: 1989, Vol. 2

Paper ID: 89-25.2

Emissions of Some Trace Gases from Biomass Fires

Author(s): D Hegg, L Radke, P Hobbs Annual Conference: 1989, Vol. 2

Paper ID: 89-25.3

Water Nucleation Properties of Chaparral Fire Aerosol Particles

Author(s): JG Hudson, CF Rogers, J Hallett

Annual Conference: 1989, Vol. 2

Paper ID: 89-25.4

Emissions from Prescribed Burning of Chaparral

Author(s): DE Ward

Annual Conference: 1989, Vol. 2

Paper ID: 89-25.5

Exposure Assessment and Study Design Considerations for the NJDOH and UMDNJ Ozone Health Effects Field Study on Counselors and Children at Day Camps in New Jersey1

Author(s): PJ Lioy, V Kitsa, K Gelperin, JM Waldman, M

Berry, J Klotz, C Pietarinen Annual Conference: 1989, Vol. 2

Paper ID: 89-27.2

Acute Functional Responses to Ozone in Ambient Air

Author(s): M Lippman

Annual Conference: 1989, Vol. 2

Paper ID: 89-27.3

Sub-Chronic Respiratory Effects from Long Term Exposure to Ozone in Tucson

Author(s): M Krzyzanowski, J Quackenboss, M Lebowitz

Annual Conference: 1989, Vol. 2

Paper ID: 89-27.4

Development of a New Regional Human Exposure (Rehex) Model and its Application to the California South Coast Air Basin

Author(s): FW Lurmann, L Coyner, AM Winer, S Colome

Annual Conference: 1989, Vol. 2

Paper ID: 89-27.5

Assessing the Effect of Ozone Nonattainment Plans on Acute Ozone Exposure and Health Risks

Author(s): SR Hayes, AS Rosenbaum, BS Austin

Annual Conference: 1989, Vol. 2

Paper ID: 89-27.7

A Statistical Comparison of the Effect of Relative and Absolute Humidity on Fixed Bed Carbon Adsorption Capacity

Author(s): JE Dunn, C Nunez, M Kosusko

Annual Conference: 1989, Vol. 2

Paper ID: 89-29.1

Effect of Humidity on Carbon Absorption Performance in Removing Organics from Contaminated Air Streams

Author(s): C Nunez, M Kosusko, B Daniel

Annual Conference: 1989, Vol. 2

Paper ID: 89-29.2

Case History of an Aerospace Plant Paint Spray Booth VOC Emission Control Installation

Author(s): RE Kenson, JF Jackson Annual Conference: 1989, Vol. 2

Paper ID: 89-29.3

Recent Experience in Recovering Value from Hazardous Waste

Author(s): JC Caine

Annual Conference: 1989, Vol. 2

Paper ID: 89-29.4

Michigan's New Voc Rule the Coating of Plastic Parts of Automobiles, Trucks and Business Machines

Author(s): RL Irvine

Annual Conference: 1989, Vol. 2

Paper ID: 89-29.5

Development of a Passive Monitor for Ozone/Oxidants

Author(s): M Hishinuma, Y Yanagisawa, T Yamamoto

Annual Conference: 1989, Vol. 2

Paper ID: 89-29.7

A Universal Monitor for Photochemical Smog

Author(s): GA Johnson, SM Quigley Annual Conference: 1989, Vol. 2

Paper ID: 89-29.8

Area Sources of VOC Emissions and Their Contribution to Tropospheric Ozone Concentrations

Author(s): M Kosusko, SL Nolen Annual Conference: 1989, Vol. 1

Paper ID: 89-3.2

On the Problem of Ozone Compliance in the Northeastern Urban Corridor

Author(s): TM Allen, ST Rao, G Sistla Annual Conference: 1989, Vol. 1

Paper ID: 89-3.3

Emission Trades for Sources of Volatile Organic Compounds

Author(s): AT Creekmore, JR. Annual Conference: 1989, Vol. 1

Paper ID: 89-3.4

Analysis of Factors in Ozone Nonattainment

Author(s): JH Wilson, MA Mullen, JK Wagner

Annual Conference: 1989, Vol. 1

Paper ID: 89-3.5

San Francisco Bay Area Ozone-Twenty Years of Progress and Lessons Learned

Author(s): TE Perardi

Annual Conference: 1989, Vol. 1

Paper ID: 89-3.7

Regional Ozone Modeling for Northeast Transport-Development of a Base Year Emissions Inventory

Author(s): W Battye, J Langstaff, M Smith

Annual Conference: 1989, Vol. 1

Paper ID: 89-3.8

Development of Workbook for Assessing Impacts of Toxic Air Pollutants

Author(s): JS Touma, DJ McNaughton, PM Bodner

Annual Conference: 1989, Vol. 3

Paper ID: 89-30.1

A Comparison of the Fugitive Emissions from Two Butadiene Plants

Author(s): BC Davis

Annual Conference: 1989, Vol. 3

Paper ID: 89-30.3

Measurement of Process Emissions with a New Multigas Monitor

Author(s): SV Pedersen

Annual Conference: 1989, Vol. 3

Paper ID: 89-30.4

VOC and Toxic Emissions from Dissolved Air Flotation Units in the Bay Area

Author(s): JR Witherspoon Annual Conference: 1989, Vol. 3

Paper ID: 89-30.6

In-Situ Combustion Evaluation for APCD Engineers; A Simple Approach

Author(s): A Konczvald

Annual Conference: 1989, Vol. 3

Paper ID: 89-30.7

The Legal Problems Associated with the Control of Air Toxics and Odors from a Waste-Oil Reclamation Facility:

A Case Study

 $\hbox{Author(s): }BL\ Morrow$

Annual Conference: 1989, Vol. 3

Paper ID: 89-30.8

EPA's Program for Control of Nontraditional Sources

Author(s): TG Pace, DH Stonefield Annual Conference: 1989, Vol. 3

Paper ID: 89-32.1

Survey of Fugitive Dust Control Methods for PM10

Author(s): J WATSON, c Frazier, J Chow

Annual Conference: 1989, Vol. 3

Paper ID: 89-32.2

Potential Regulatory Approaches for the Control of PM-10 Emissions from Urban Dust Sources

Author(s): C Cowherd, Jr., WL Elmore, KR Durkee

Annual Conference: 1989, Vol. 3

Paper ID: 89-32.3

Washoe County Program to Reduce PM-10 Emissions at Construction Sites

Author(s): K Golden, A Goodrich Annual Conference: 1989, Vol. 3

Paper ID: 89-32.4

A Compilation of Estimation Methods for the Control of PM-10 From Roads

Author(s): GE Muleski, PJ Englehart Annual Conference: 1989, Vol. 3

Paper ID: 89-32.6

A Neighborhood Scale Study of PM10 Source Contributions in Rubidoux. California

Author(s): J Chow, ZQ Lu, L Pritchett Annual Conference: 1989, Vol. 3

Paper ID: 89-33.1

PM-10 Sip Development at a Major Steel Plant in a Rural Area (Porter County, Indiana)

Author(s): TW Easterly

Annual Conference: 1989, Vol. 3

Paper ID: 89-33.2

A Case Study of the Inhalable Particulate Matter Problem in EL Paso

Author(s): J Panketh, BA Broberg Annual Conference: 1989, Vol. 3

Paper ID: 89-33.3

Review of Meteorological and Co-Pollutant Factors on High PM-10 Concentrations in the South Coast Air Basin

Author(s): MD Zeldin, RJ Countess, J Watson, RL Farber

Annual Conference: 1989, Vol. 3

Paper ID: 89-33.4

Utilization of Chemical Mass Balance for PM10 Sip Development: A Case Study

Author(s): WR Barnard

Annual Conference: 1989, Vol. 3

Paper ID: 89-33.5

PM10 Air Quality Analyses in Support of Puerto Rico's Sip Revision

Author(s): KCC Gschwandtner, BM Colon

Annual Conference: 1989, Vol. 3

Paper ID: 89-33.6

Receptor Modeling for PM10 Source Apportionment in Southeast Chicago

 $\hbox{Author(s): S Vermette, C Sweet, D Gatz}$

Annual Conference: 1989, Vol. 3

Paper ID: 89-33.7

Formaldehyde Emissions from Mobile Sources and the Potential Human Exposures

Author(s): CE Moulis

Annual Conference: 1989, Vol. 3

Paper ID: 89-34A.1

Estimates of Health Hazardous from Exposures to Diesel Exhaust

Author(s): W Stober

Annual Conference: 1989, Vol. 3

Paper ID: 89-34A.2

Computer's Exposure to Volatile Organic Compounds, Ozone Carbon Monoxide and Nitrogen Dioxide

Author(s): CC Chan, H Ozkaynak, JD Spengler, L Sheldon, W

Nelson, L Wallace

Annual Conference: 1989, Vol. 3

Paper ID: 89-34A.4

An Analysis of the Formation and Reactivity of Dimethyl Sulfate in the Atmosphere

Author(s): SM Japar, TJ Wallingron, JM Andino, JC Ball

Annual Conference: 1989, Vol. 3

Paper ID: 89-34A.5

Air Toxics Emissions and Health Risks from Motor Vehicles

Author(s): JM Adler, PM Carey Annual Conference: 1989, Vol. 3

Paper ID: 89-34A.6

Modifying Gasoline to Reduce Vehicular Benzene Emissions

Author(s): R Vincent

Annual Conference: 1989, Vol. 3

Paper ID: 89-34B.1

Analysis of Aromatics in Motor Fuel by Gas Chromatography/Photoionization Detection Flame

Ionization Detection

Author(s): JM Shikiya, PL Rieger Annual Conference: 1989, Vol. 3

Paper ID: 89-34B.3

Benzene/Aromatics Measurements and Exhaust Emissions from Gasoline Vehicles

Author(s): L Zafonte, JM Lyons Annual Conference: 1989, Vol. 3

Paper ID: 89-34B.4

Application of Filter Spectrometry to Motor Vehicle Exhaust Measurements

Author(s): PL Reiger

Annual Conference: 1989, Vol. 3

Paper ID: 89-34B.5

Vehicle Air/Fuel Ratios During Standard Dynamometer Schedules and On-Road Driving: Measurement and Implications

Author(s): R Whitby, R Gibbs, R Johnson, P Werner, B Hill

Annual Conference: 1989, Vol. 3

Paper ID: 89-34B.6

Estimation of the Impact of Motor Vehicles on Ambient Asbestos Levels in the South Coast Air Basin

Author(s): JM Lyons

Annual Conference: 1989, Vol. 3

Paper ID: 89-34B.7

A Test Method for Pressure Integrity of Gasoline Cargo Tanks

Author(s): K Kunaniec, F Karels, D Levaggi

Annual Conference: 1989, Vol. 3

Paper ID: 89-34B.8

Temperature--Adjusted Ozone Trends for Houston, New York and Washington

Author(s): PG Wakim

Annual Conference: 1989, Vol. 3

Paper ID: 89-35.1

National and Regional Trends in VOC and NOx Emissions from 1900 to 1987

Author(s): G Gschwandtner, RB Husar, JD Mobley

Annual Conference: 1989, Vol. 3

Paper ID: 89-35.10

Comparison of Techniques for Adjusting Ozone Exceedances to Account for Variations in Meteorological Conditions

Author(s): TE Stoeckenius Annual Conference: 1989, Vol. 3

Paper ID: 89-35.2

Characterization of High Ozone Episodes in Santa Barbara County

Author(s): S Machiraju, C Whan, EI Winkler

Annual Conference: 1989, Vol. 3

Paper ID: 89-35.5

Ozone Climate at MT. Mitchell, North Carolina and its Association with Synoptic Episodes

Author(s): VP Aneja, S Businger, Z Li, C Claiborn, A Murthy

Annual Conference: 1989, Vol. 3

Paper ID: 89-35.6

The Episodic Nature of High Ozone Events Observed in Florida

Author(s): TF Lavery

Annual Conference: 1989, Vol. 3

Paper ID: 89-35.7

The Biomodal Characteristics of Ozone Precursor Concentrations and NMCO/NOx Ratios in Florida

Author(s): SH Chu

Annual Conference: 1989, Vol. 3

Paper ID: 89-35.8

Definition of Adverse Effects for the Purpose of Establishing Secondary National Ambient Air Quality Standards

Author(s): DT Tingey, WE Hoggett, S Henderson

Annual Conference: 1989, Vol. 3

Paper ID: 89-38.2

Definition of Adverse Health Effects of Exercising Astimatics Exposed to Short Term SO2

Author(s): PC Freudenthal, HD Roth, C Lichtenstein, RE

Wyzga

Annual Conference: 1989, Vol. 3

Paper ID: 89-38.3

Effects of Air Pollution on Natural Ecosystems

Author(s): DG Fox, JG Byrne Annual Conference: 1989, Vol. 3

Paper ID: 89-38.5

Planning for Prevention of Air Pollution in Rural Developing Areas

Author(s): LJ Carlson

Annual Conference: 1989, Vol. 3

Paper ID: 89-39.1

Growth Issues and Socio-Economic Considerations for Air Quality Planning in San Francisco Bay Area

Author(s): EY Leong

Annual Conference: 1989, Vol. 3

Paper ID: 89-39.2

Transportation Control Measures : Technical and Institutional Guidance for State and Local Governments

Author(s): DS Eisinger, RC Ireson, E Deakin, FP Wicher

Annual Conference: 1989, Vol. 3

Paper ID: 89-39.4

Urban Planning and Air Quality Common Ground

Author(s): SJ Foute

Annual Conference: 1989, Vol. 3

Paper ID: 89-39.5

Planning the Management of Global Air Pollution Issues-A Strategy for Air Pollution Control Agency Action

Author(s): M Rothenberg

Annual Conference: 1989, Vol. 3

Paper ID: 89-39.7

Technological Progress in Reducing CFC and Halon Emissions

Author(s): ND Smith, PS Shapiro Annual Conference: 1989, Vol. 1

Paper ID: 89-4.2

New Chemical Alternatives to Chlorofluorocarbons and Halons

Author(s): JC Bare, ND Smith Annual Conference: 1989, Vol. 1

Paper ID: 89-4.3

Mobile Air Conditioner Refrigerant Evaluation

Author(s): DL Hrmon, WJ Rhodes, L Weitzman

Annual Conference: 1989, Vol. 1

Paper ID: 89-4.4

N20 Emissions From Fossil Fuel Combustion

Author(s): WP Linak, JAMcSorley, RE Hall, JV Ryan, RK

Srivastava, JOL Wendt, JB Mereb Annual Conference: 1989, Vol. 1

Paper ID: 89-4.6

Preventing Depletion of Stratospheric Ozone-Implications on Future Aircraft Emissions

Author(s): DE Kinnison, DJ Wuebbles Annual Conference: 1989, Vol. 1

Paper ID: 89-4.7

Meteorological Characterizations of Ambient Carbon Monoxide Exceedances of the National Ambient Air Quality Standard in Colorado Springs

Author(s): JA Tarde, LR Scheinpflug Annual Conference: 1989, Vol. 3

Paper ID: 89-40.5

Nested Grid Modeling Approach for Assessing Urban Ozone Air Quality

Author(s): ST Rao, G Sistla, JY Ku, K Schere, R Scheffe, J

Godowitch

Annual Conference: 1989, Vol. 3

Paper ID: 89-42A.2

Methodologies for Applying the Urban Airshed to Determine the Effectiveness of Measures to Reduce Ozone Levels in the Los Angeles Air Basin

Author(s): MA Yocke, LA Mahoney, H Hogo, VA Mirabella

Annual Conference: 1989, Vol. 3

Paper ID: 89-42A.3

Population Exposure to Ozone in Southern California

Author(s): N Motallebi, PD Allen, KK Wagner

Annual Conference: 1989, Vol. 3

Paper ID: 89-42A.6

Modeling Study of the Effect of Daylight Savings Time on Photochemical Pollution

Author(s): JP Olier, C Elichegaray, JP Vidal

Annual Conference: 1989, Vol. 3

Paper ID: 89-42B.1

The Use of Decision Analysis in a Regulatory Context

Author(s): S Machiraju

Annual Conference: 1989, Vol. 3

Paper ID: 89-42B.3

Development of Mixing Depth Fields for Photochemical Grid Modeling of the South Central Coast Air Basin of California

Author(s): NJM Wheeler Annual Conference: 1989, Vol. 3

Paper ID: 89-42B.4

A Performance Evaluation of the Saprc and Radm Chemical Reaction Mechanisms

Author(s): FW Lurmann, WLP Carter Annual Conference: 1989, Vol. 3

Paper ID: 89-42B.5

Point Source Screening for Ozone Precursor Emissions

Author(s): RD Scheffe

Annual Conference: 1989, Vol. 3

Paper ID: 89-42B.6

Can We Continue to Apply Dispersion Models Without a Proper Linkage with Meteorological Models

Author(s): P Zannetti

Annual Conference: 1989, Vol. 3

Paper ID: 89-43.1

Development of an Urban Dispersion Model and It's Evaluation Using Indianapolis Data

Author(s): SR Hanna, JC Chang Annual Conference: 1989, Vol. 3

Paper ID: 89-43.2

Development of a Shoreline Dispersion Model

Author(s): JS Touma, GJ Schewe, SM Templeman

Annual Conference: 1989, Vol. 3

Paper ID: 89-43.3

Comparison of Two Screening Techniques for a Large, Regulatory, Air Quality Modeling Project

Author(s): JO Jarvis

Annual Conference: 1989, Vol. 3

Paper ID: 89-43.7

Toxics in the Media

Author(s): DB McCallum, J Kawecki Annual Conference: 1989, Vol. 3

Paper ID: 89-44.1

Can We Anticipate Public Questions? The Potential Effectiveness of Risk Communication Training

Author(s): SG Hadden

Annual Conference: 1989, Vol. 3

Paper ID: 89-44.2

Risk Communication and Sara Title III In Louisiana

Author(s): V Arroyo

Annual Conference: 1989, Vol. 3

Paper ID: 89-44.3

Citizen Involvement in Using Community Right-To-Know Information for Emergency Planning and Source Reduction

Author(s): FM Lynn

Annual Conference: 1989, Vol. 3

Paper ID: 89-44.4

Some Chemical Industry Successes in Communicating About the Risks from Title III Emissions

Author(s): JE Slavick

Annual Conference: 1989, Vol. 3

Paper ID: 89-44.5

Regulating Air Toxics: Are We Protecting Air Quality Preventing Bhopals or Both?

Author(s): JF Elliott

Annual Conference: 1989, Vol. 3

Paper ID: 89-45.1

Multiple Pollutant Air Toxics Assessments-Development of a Source Category Ranking System

Author(s): T Mohin, R Rosensteel, W Maxwell

Annual Conference: 1989, Vol. 3

Paper ID: 89-45.2

The Air Toxics "Hot Spot" Act in Relation to Other Air Pollution Laws

Author(s): D Holtzman

Annual Conference: 1989, Vol. 3

Paper ID: 89-45.3

The California Air Resources Board's Plan to Regulate Polycyclic Aromatic Hydrocarbons (PaHs) as a Toxic Air Contaminant

Author(s): R Propper, JE Denton Annual Conference: 1989, Vol. 3

Paper ID: 89-45.4

Toxic Air Pollutant Screening in the San Francisco Bay

Author(s): TJ Smith, PA Holmes, SA Hill

Annual Conference: 1989, Vol. 3

Paper ID: 89-45.6

Monitoring of Air Toxics in the Industrialized Texas Gulf Coast

Author(s): J Wiersema, B Rogers, J Price Annual Conference: 1989, Vol. 3

Paper ID: 89-45.8

Effect of Drying on Stabilization of F006 Sludge

Author(s): ML Davis, DH Wachter, D Bush

Annual Conference: 1989, Vol. 4

Paper ID: 89-47.2

The Impact of Regulation on Siting and Development of Future Hazardous Waste Management Facilities

Author(s): MJ Costello, RJ Havrilak Annual Conference: 1989, Vol. 4

Paper ID: 89-47.5

International and Canadian Progress on Implementing the Montreal Protocol

Author(s): GV Buxton

Annual Conference: 1989, Vol. 1

Paper ID: 89-5.1

United States Environmental Protection Agency's Stratospheric Ozone Research Program

Author(s): RC Worrest

Annual Conference: 1989, Vol. 1

Paper ID: 89-5.2

Scientific Linkages in Global Change

Author(s): PR Jutro, C Worrest, AC Janetos

Annual Conference: 1989, Vol. 1

Paper ID: 89-5.3

The Role of Methychloroform in the Global Chlorine Budget

Author(s): MAK Khalil, RA Rasmussen

Annual Conference: 1989, Vol. 1

Paper ID: 89-5.4

A Review of the Arctic and Antarctic Ozone Holes

Author(s): WFJ Evans

Annual Conference: 1989, Vol. 1

Paper ID: 89-5.5

Ecosystem Responses to Increases in Solar Ultraviolet--B

Radiation

Author(s): PW Barnes, H Gucinski, D Turner

Annual Conference: 1989, Vol. 1

Paper ID: 89-5.6

Evaluating CFC Alternatives from the Atmospheric

Viewpoint

Author(s): PS Connell, DJ Wuebbles Annual Conference: 1989, Vol. 1

Paper ID: 89-5.7

Designing an Incinerator to Handle Mixed Waste

Author(s): M Trichon, J Feldman Annual Conference: 1989, Vol. 4

Paper ID: 89-50.3

Waste Minimization at the Rocky Flats Plant

Author(s): AC Ficklin

Annual Conference: 1989, Vol. 4

Paper ID: 89-50.4

Experience with Wasteform Delisting at the Oak Ridge

Gaseous Diffusion Plant

Author(s): JL Shoemaker, WD Bostick, CR Kirkpatrick, EW

McDaniel

Annual Conference: 1989, Vol. 4

Paper ID: 89-50.5

Approach to Licensing a Mixed Waste Disposal Facility a Status Report

Author(s): L Butler, C Coleman Annual Conference: 1989, Vol. 4

Paper ID: 89-50.6

Atmospheric Considerations in Situ Selection and Characterization of a Mixed Waste Facility

Author(s): P Franstoli

Annual Conference: 1989, Vol. 4

Paper ID: 89-50.7

Waste Characterization: Estimating Extreme Concentrations from Grouped Data

Author(s): AD Thrall, NL Hassig

Annual Conference: 1989, Vol. 4

Paper ID: 89-50.8

Air Swat Results at Several Landfills in Southern California

Author(s): D Wilbur, A Campbell, S Eccker

Annual Conference: 1989, Vol. 4

Paper ID: 89-53.1

Modeling Emissions of Trace Gases from Landfills

Author(s): R Lang, G Tchobanoglous Annual Conference: 1989, Vol. 4

Paper ID: 89-53.2

Modeling Techniques for Municipal Solid Waste Landfills

Author(s): JA Red

Annual Conference: 1989, Vol. 4

Paper ID: 89-53.3

Critical Health Issues Associated with Review of the Scientific Criteria for Carbon Monoxide

Author(s): JA Raub, LD Grant

Annual Conference: 1989, Vol. 4

Paper ID: 89-54.1

Assessing Emissions from Accidental Releases: Scale Model Studies of Heavy Gas Dispersion

Author(s): MC Murphy, KC Heidorn, PA Irwin, AE Davies

Annual Conference: 1989, Vol. 4

Paper ID: 89-55.1

Estimating Atmospheric Emissions from Accidental Liquid Releases

Author(s): BA Egan, MT Mills Annual Conference: 1989, Vol. 4

Paper ID: 89-55.2

Estimating Spill Quantities and Emissions

Author(s): D McCready, J Foster Annual Conference: 1989, Vol. 4

Paper ID: 89-55.4

Emergency Response Modeling of Air Releases in Ontario

Author(s): GL Diamond, H Sahota, R Bloxam

Annual Conference: 1989, Vol. 4

Paper ID: 89-55.6

Evaluation and Communication of Urban Air Toxics Risks in the Southeast Chicago Area

Author(s): J Summerhays Annual Conference: 1989, Vol. 4

Paper ID: 89-56.1

Public Awareness Programs May Aid Investigation and Cleanup of Contaminated Sites

Author(s): LH Schupak

Annual Conference: 1989, Vol. 4

Paper ID: 89-56.3

Public Response to the Bonneville Administration's Indoor Air Quality Education Program

Author(s): MC Baechler, JE Englin Annual Conference: 1989, Vol. 4

Paper ID: 89-56.4

Communicating Radon Risks Effectively: The Maryland Experience

Author(s): WH Desvousges, HH Rink, VK Smith

Annual Conference: 1989, Vol. 4

Paper ID: 89-56.5

Risk Communication in Texas An Alternative Approach

Author(s): MT Willhite

Annual Conference: 1989, Vol. 4

Paper ID: 89-56.6

Communicating Risk Information to State and Local Air Pollution Control Agencies via U.S. EPA's Air Risk Information support Center (Air Risc)

Author(s): W Victery

Annual Conference: 1989, Vol. 4

Paper ID: 89-56.7

Communicating Risk to the Public: Getting the Message Across

Author(s): L Nelowet, F Beuby Annual Conference: 1989, Vol. 4

Paper ID: 89-56.8

Constraints on Health Risk Assessment in the Developing World: A Case Study in Thailand

Author(s): DJ Fingleton, W Liengcharersit, KR Smith, S

Edgerton

Annual Conference: 1989, Vol. 4

Paper ID: 89-57.3

Indoor Air Quality and Acute Respiratory Infections, A Major Risk for Developing Country Children

Author(s): KR Smith, JSM Boleij, MR Pandey, EM Wafula

Annual Conference: 1989, Vol. 4

Paper ID: 89-57.4

Role of Uncertainty in Risk Assessment

Author(s): U Munshi, C Marlia Annual Conference: 1989, Vol. 4

Paper ID: 89-58A.2

Uncertainty in Air Toxics Risk Assessment

Author(s): LB Gratt

Annual Conference: 1989, Vol. 4

Paper ID: 89-58A.5

Approaches to a Health Risk Assessment of 1,3-Butadiene as a Toxic Air Contaminant

Author(s): JP Brown

Annual Conference: 1989, Vol. 4

Paper ID: 89-58B.4

A Health Risk Assessment for Airborne Chloroform

Author(s): MA Marty

Annual Conference: 1989, Vol. 4

Paper ID: 89-58B.5

A Health Risk Assessment for Airborne Vinuyl Chloride

Author(s): DN Cox, GV Aleseeff Annual Conference: 1989, Vol. 4

Paper ID: 89-58B.6

Risk Assessment Under Proposition 65: A Perspective from the Scientific Advisory Panel

Author(s): DW North

Annual Conference: 1989, Vol. 4

Paper ID: 89-59.1

The Use of an Evaluated Toxicity Data Base in Setting Priorities for the Assessment of Reproductive Toxicants

Author(s): J Vandenberg, K Hooper, T Telles, S Hoove, A

Kelter

Annual Conference: 1989, Vol. 4

Paper ID: 89-59.3

Use of Community Right to Know Information to Measure Trends in Hazardous Substance Usage

Author(s): JA Lipoti, AG Bookman Annual Conference: 1989, Vol. 4

Paper ID: 89-59.4

Will An EPA Lists Buttress the Toxics Tidal Wave?

Author(s): N Beach, J Jaksch, W Garetz, S Young

Annual Conference: 1989, Vol. 4

Paper ID: 89-59.5

Proposition #65 Risk Assessment for Arsenic and Hexavalent Chromium

Author(s): M Raybourn, JA Weber Annual Conference: 1989, Vol. 4

Paper ID: 89-59.7

Toxic Emission Sampling at the Commerce Refuse to Energy Facility

Author(s): RJ Pasek, GP Linder Annual Conference: 1989, Vol. 1

Paper ID: 89-6.3

HCI CEMS: Feasibility and Reliability for Municipal, Waste Combustors

Author(s): S Shanklin, R Rollins, T Logan, R Midgett

Annual Conference: 1989, Vol. 1

Paper ID: 89-6.5

Measurement Methodology for Stationary Source Toxic Metals Emissions

Author(s): TE Ward, MR Midgett, TJ Logan, SC Steinsberger,

WG Dewees

Annual Conference: 1989, Vol. 1

Paper ID: 89-6.6

Recommended QA/QC For Municipal Waste Combustor Testing

Author(s): WG Dewees, SC Steinsberger, RR Segall, CE Riley

Annual Conference: 1989, Vol. 1

Paper ID: 89-6.7

Performance Audit Results Using EPA Method 25 During Source Compliance Tests

Author(s): RKM Jayanty, SB Tompkins, RG Fuerst, TJ Logan,

DJ Von Lehmden

Annual Conference: 1989, Vol. 1

Paper ID: 89-6.8

The Health Risks of Fugitive Ash Emissions from the Haverhill Resource Recovery Facility Ash Monofill

Author(s): PH Goldberg, AQ Eschenroeder

Annual Conference: 1989, Vol. 1

Paper ID: 89-6.9

Quantitative Risk Assessment of Transporting Hazardous Materials-CMA'S Manual and Supporting Software

Author(s): M Kazarians, TE Fenstermacher, J Mayhew

Annual Conference: 1989, Vol. 4

Paper ID: 89-60.1

A Methodology for the Comparison of the Risks of Transporting Toxic Chemicals by Rail

Author(s): DG Clark

Annual Conference: 1989, Vol. 4

Paper ID: 89-60.2

A Comprehensive Spreadsheet Based Model for Pipeline Risk Assessment

Author(s): MT Mills

Annual Conference: 1989, Vol. 4

Paper ID: 89-60.3

Risky Business: The Transport of Hazardous Materials in California

Author(s): L Turnquist

Annual Conference: 1989, Vol. 4

Paper ID: 89-60.4

What is Environmental Impairment Liability Insurance and How Do EIL Insurance Companies Manage Risk

Author(s): MR Anderson Annual Conference: 1989, Vol. 4

Paper ID: 89-61.1

Emerging Legal Issues Associated with Environmental Impairment Liability Insurance

Author(s): ML Italiano

Annual Conference: 1989, Vol. 4

Paper ID: 89-61.2

Controlling Potential Risk from Underground Storage Tank Releases

Author(s): JR Worlund

Annual Conference: 1989, Vol. 4

Paper ID: 89-61.3

Environmental Auditing as a Risk Management Tool

Author(s): JM Scagnelli

Annual Conference: 1989, Vol. 4

Paper ID: 89-61.4

Environmental Impairment Liability Issues Associated with Hazardous Waste Disposal

Author(s): RM Cogen, D Cook Annual Conference: 1989, Vol. 4

Paper ID: 89-61.5

Sara Section 313 Emissions Inventory Information:

Potential Impact on Liability Author(s): LM Ramonas

Annual Conference: 1989, Vol. 4

Paper ID: 89-61.6

Promoting Alternative Fueled Vehicle--An Overview

Author(s): JT Holcombe

Annual Conference: 1989, Vol. 4

Paper ID: 89-63A.1

A Fuel for the Future: Compresses Natural Gas

Author(s): G Mauro

Annual Conference: 1989, Vol. 4

Paper ID: 89-63A.2

Activities of the South Coast Air Quality Management District to Promote Alternatively Fueled Motor Vehicles

Author(s): JH Leonard

Annual Conference: 1989, Vol. 4

Paper ID: 89-63A.3

Clean Air, It Happens One Person at a Time

Author(s): AL Goins

Annual Conference: 1989, Vol. 4

Paper ID: 89-63A.5

Natural Gas as an Alternative Vehicular Fuel: The Role of GRI's Research Program

Author(s): BA Hedman

Annual Conference: 1989, Vol. 4

Paper ID: 89-63B.2

Strategies for EV Commercialization

Author(s): GH Mader, OM Bevilacqua Annual Conference: 1989, Vol. 4

Paper ID: 89-63B.3

An Even Playing Field for Alternative Fuels: What Economics Tells Us

Author(s): JV Hall

Annual Conference: 1989, Vol. 4

Paper ID: 89-63B.4

Will Air Quality Needs Force the Development of a Market for Alternative Transportation Fuels?

Author(s): B McNutt, MM Mintz Annual Conference: 1989, Vol. 4

Paper ID: 89-63B.5

Worldwide Developments in Motor Vehicle Pollution Control

Author(s): MP Walsh

Annual Conference: 1989, Vol. 4

Paper ID: 89-64.1

A Comparison of International Motor Vehicle Emission Control Standards

Author(s): ML Halerstadt Annual Conference: 1989, Vol. 4

Paper ID: 89-64.2

The Role of Automotive Inspection Program in Reduction Automotive Emissions in Saudi Arabia

 $\hbox{Author(s): }IS\ Al-Mutaz$

Annual Conference: 1989, Vol. 4

Paper ID: 89-64.3

Laboratory and Field Evaluations of Extrasensitive NO2 and SO2 Analyzers

Author(s): RS Wright, EE Rickman, AH Green, JE Stickles,

CE Decker, FF McElroy Annual Conference: 1989, Vol. 4

Paper ID: 89-65.1

Comparative Acid Rain Data Analysis

Author(s): KK Yu

Annual Conference: 1989, Vol. 4

Paper ID: 89-65.2

Estimating Fluxes from California's Dry Deposition Monitoring Data

Author(s): LL Ashbaugh

Annual Conference: 1989, Vol. 4

Paper ID: 89-65.3

Monitoring of the Background Air Pollution in France

Author(s): JP Olier, C Elichegaray, JP Vidal

Annual Conference: 1989, Vol. 4

Paper ID: 89-65.5

Quality Control in Aerometric Filter Pack Measurements

Author(s): BJ Wright, SL Heisler, KK Fung

Annual Conference: 1989, Vol. 4

Paper ID: 89-65.6

Selecting the Design Site Concentration and Composition to Meet the Annual an d24-Hour PM-10 Standard in the L.A.

Author(s): R Farber, J Baas, C Murray, R Countess, M Zeldin

Annual Conference: 1989, Vol. 4

Paper ID: 89-66A.1

The Measurement Of PM-10 By B-Absorption

Author(s): TM Merrifield, H Dreiheller Annual Conference: 1989, Vol. 4

Paper ID: 89-66A.2

Denuder Measurements of Particulate Nitrate and Ammonium in Scenes

Author(s): P Mueller, C McDade, P Roberts

Annual Conference: 1989, Vol. 4

Paper ID: 89-66A.3

Air Quality on Hawaii Island During a Kilauea Eruption

Author(s): TE Gill, TN Tanada, TA Cahill, D Taylor, H

Matsuura

Annual Conference: 1989, Vol. 4

Paper ID: 89-66A.4

Evaluation of Dust Suspension in an Experimental Chamber

Author(s): AL Williams, SJ Vermette Annual Conference: 1989, Vol. 4

Paper ID: 89-66A.5

Round Robin Evaluation Analysis of Bulk Samples and PM-10 Loaded Teflon Filters

Author(s): SJ Vermette, AL Williams Annual Conference: 1989, Vol. 4

Paper ID: 89-66A.6

PM10 Emissions Determination and Test Method Development

Author(s): JP Loop, RC Andrian Annual Conference: 1989, Vol. 4

Paper ID: 89-66B.1

Respirable Dust Exposure to Residents Near Unpaved Coal Haul Roads

Author(s): JM Huges

Annual Conference: 1989, Vol. 4

Paper ID: 89-66B.2

Status of EPA'S Visibility Regulatory Program Under Section 169A of the Clean Air Act

Author(s): DW Scott, DH Stonefield Annual Conference: 1989, Vol. 5

Paper ID: 89-67.1

The Use of an Atmospheric Quadratic Detection Model to Assess Change in Aerosol Concentrations to Visibility

Author(s): WC Malm, M Pritchford Annual Conference: 1989, Vol. 5

Paper ID: 89-67.3

A Color Matching Experiment in the Grand Canyon National Park

Author(s): KV Matamala, RC Henry Annual Conference: 1989, Vol. 5

Paper ID: 89-67.5

Visibility in Eastern Wilderness Areas: Conditions and Concerns

Author(s): J Thomas, H Parrott, G Yost Annual Conference: 1989, Vol. 5

Paper ID: 89-67.7

The Containment of SO2 in the Canadian Non-Ferrous Smelting Industry--An Update

Author(s): L Buffa

Annual Conference: 1989, Vol. 5

Paper ID: 89-69.1

Sulphur Abatement at Ontario Operations of Falconbridge Limited

Author(s): MP Sudbury, GA Crawford, Annual Conference: 1989, Vol. 5

Paper ID: 89-69.2

Control of Kraft Mill Lime Kiln Total Reduced Sulfur (TRS) Emissions

Author(s): DM Bryer, T Keener Annual Conference: 1989, Vol. 5

Paper ID: 89-69.3

VOC Emission Control or Elimination from Coating Operations The 3M Pollution Prevention Plus Program

Author(s): KJ Miller

Annual Conference: 1989, Vol. 5

Paper ID: 89-69.4

Waste Minimization Through Conversion of Paint Spray Booth Emission Control Devices

Author(s): J Ayer, AS McElligott Annual Conference: 1989, Vol. 5

Paper ID: 89-69.5

Technical, Economic and Regulatory Evaluation of Tray Dryer Solvent Emission Control Alternatives

Author(s): R Li, M Karell Annual Conference: 1989, Vol. 5

Paper ID: 89-69.6

The Dynawave Scrubber: A Novel, Highly Efficient Gas Scrubbing Device

 $\label{eq:author} \textit{Author}(s) : CN\ Dougald,\ JE\ McLean,\ JD\ Dunson,\ D\ McIntosh$

Annual Conference: 1989, Vol. 5

Paper ID: 89-69.8

Persistence Factors for Carbon Monoxide Modeling Near Intersections

Author(s): CD Cooper, DS Lefwich, PS Liu

Annual Conference: 1989, Vol. 1

Paper ID: 89-7.1

Development of Improved CO Emissions and Dispersion Techniques

Author(s): GJ Schewe

Annual Conference: 1989, Vol. 1

Paper ID: 89-7.3

California Methods for Estimating Air Pollutant Emissions from Motor Vehicles

Author(s): LE Seitz

Annual Conference: 1989, Vol. 1

Paper ID: 89-7.4

The Relative Reactivity of Emissions from Methanol-Fueled and Gasoline Fueled Vehicles in Forming Ozone

Author(s): AM Dunker

Annual Conference: 1989, Vol. 1

Paper ID: 89-7.6

Use of the Urban Airshed Model to assess the Effects of Ethanol Blended Fuels on Ozone Concentrations in New York and St. Louis

Author(s): RE Morris, Lchinkin, L Gardner, L Mahoney, J

Chamberlin, RM McLean, R Scheffe Annual Conference: 1989, Vol. 1

Paper ID: 89-7.7

Army Criterion Development for Active and Inactive Hazardous Waste Sites

Author(s): DH Rosenblatt, JJ Barkley Annual Conference: 1989, Vol. 5

Paper ID: 89-70.3

Toxic Materials and Flight Safety The Aerospace Industry Struggles with Chromium Substitution

Author(s): GR Freeman, RB Holliday Annual Conference: 1989, Vol. 5

Paper ID: 89-70.4

Risk Associated with the Demilitarization of the United States Chemical Weapons Stockpile

Author(s): GF Flanagan, W Fraize, T Kartachak

Annual Conference: 1989, Vol. 5

Paper ID: 89-70.5

Thermal Destruction of Military Waste by Incineration and Thermal Stripping

Author(s): AK Cohen, N Johnson Annual Conference: 1989, Vol. 5

Paper ID: 89-70.7

Characterization of the Trace Element Concentration and Morphology of Stack and Near-Field Plume Fly Ash Particles

Author(s): GM Sverdrup, GS Casuccio, BC Henderson

Annual Conference: 1989, Vol. 5

Paper ID: 89-71.2

Acid Aerosols The Need to Reconcile Experimental and Ambient Exposures

Author(s): RE Wyzga, FW Lippert Annual Conference: 1989, Vol. 5

Paper ID: 89-71.3

Atmospheric Acidity: Chemical and Physical Factors

Author(s): P Koutrakis, PK Mueller Annual Conference: 1989, Vol. 5

Paper ID: 89-71.4

A Reanalysis of Recent Acid Aerosol Epidemiological Data

Author(s): CM Shy, HD Roth Annual Conference: 1989, Vol. 5

Paper ID: 89-71.5

Pisces: A Utility Database for Assessing the Pathways of Power Plant Chemical Substances

Author(s): WD Balfour, W Chow, E Rubin

Annual Conference: 1989, Vol. 5

Paper ID: 89-71.6

Forest Service Protection of Class 1 Wilderness Areas

Author(s): D Haddow, AS Fege Annual Conference: 1989, Vol. 5

Paper ID: 89-72.1

New Source Review--Impediments, Improvements and Alternatives

Author(s): B Werner

Annual Conference: 1989, Vol. 5

Paper ID: 89-72.3

Experience with Top-Down Bact Policy

Author(s): CA Soule

Annual Conference: 1989, Vol. 5

Paper ID: 89-72.4

Expanding "Reconstruction" EPA'S "Wepco" Decisions Change Course on Plant Repairs

Author(s): M Levin, LA Monaco, S Mullany

Annual Conference: 1989, Vol. 5

Paper ID: 89-72.6

Ranking Organic Gas Emissions by Hydroxly Radical Rate Constants

Author(s): PD Allen, D McHenry Annual Conference: 1989, Vol. 5

Paper ID: 89-73.2

Estimates of Photochemical Ractivities of Solvent Species Used in Architectural Coatings

Author(s): WPL Carter

Annual Conference: 1989, Vol. 5

Paper ID: 89-73.3

Experimental Results from a Smog Chamber, Hydrocarbon Reactivity Study

Author(s): L Zafonte, C Lai, D Daymon Annual Conference: 1989, Vol. 5

Paper ID: 89-73.4

Measurements of Forestal Hydrocarbons and Ozone

Author(s): S Konttinen, T Raunemaa, J Ruuskanen

Annual Conference: 1989, Vol. 5

Paper ID: 89-73.5

Policy Options for Minimizing Nonhazardous Solid Waste

Author(s): JM Perkins

Annual Conference: 1989, Vol. 5

Paper ID: 89-74.2

Least-Cost Planning for Waste Management Systems

Author(s): T Moore, P Reiter Annual Conference: 1989, Vol. 5

Paper ID: 89-74.3

Economics of Curbside Collection and Recycling Programs

Author(s): R Gertman

Annual Conference: 1989, Vol. 5

Paper ID: 89-74.5

Pollution Control Cost Calculations: A Mathematical Proof Establishing the Necessity of Using Real Instead of Normal, Interest Rates in Capital Recovery Factors

Author(s): R George

Annual Conference: 1989, Vol. 5

Paper ID: 89-74.7

Gas Turbine Nitrogen Oxide (NOx) Control Current Technologies and Operating Experiences

Author(s): L Angello

Annual Conference: 1989, Vol. 5

Paper ID: 89-75.1

Control of NOX Emissions from Industrial Gas Turbine Combustion Systems

Author(s): C Wilkes

Annual Conference: 1989, Vol. 5

Paper ID: 89-75.2

NOx Bact for Gas Turbines in California

Author(s): WE Steiner, JLM Koehler Annual Conference: 1989, Vol. 5

Paper ID: 89-75.3

Dry Low NOx Combustion for General Electric Heavy Duty Gas Turbines

Author(s): KB Davis

Annual Conference: 1989, Vol. 5

Paper ID: 89-75.4

Control Technologies for Offshore Gas Turbines

Author(s): M Talwar, LW Philp Annual Conference: 1989, Vol. 5

Paper ID: 89-75.5

The Real Economic of SCR As Bact for Gas Turbines

Author(s): MM Schorn

Annual Conference: 1989, Vol. 5

Paper ID: 89-75.6

California's Proposition 65: Legal, Roadmap and Regulatory Update

Author(s): IJ Tether

Annual Conference: 1989, Vol. 5

Paper ID: 89-76.1

A Progress Report on California's Proposition 65

Author(s): DC Fisher

Annual Conference: 1989, Vol. 5

Paper ID: 89-76.2

Development of Standardized Methods for the Sampling and Analysis of Chemicals Listed Under The California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

Author(s): YY Wang, PJ Marsden, DJ Armstrong

Annual Conference: 1989, Vol. 5

Paper ID: 89-76.3

Development of Standardized Methods for the Sampling and Analysis of Chemicals Listed Under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 651)

Author(s): YY Wang, PJ Marsden, DJ Armstrong

Annual Conference: 1989, Vol. 5

Paper ID: 89-76.3

California Proposition 65: Current Status and Preventive Law Responses

Author(s): JA Draper, MD Johnson Annual Conference: 1989, Vol. 5

Paper ID: 89-76.4

Corporate Strategy in Shaping Environmental Requirements: A Proposition 65 Case Study

Author(s): WH Freedman Annual Conference: 1989, Vol. 5

Paper ID: 89-76.5

Proposition 65 Beyond California: The Gates are Open--Where's the Flood?

Author(s): V Masterman, E Marberry Annual Conference: 1989, Vol. 5

Paper ID: 89-76.6

Pollution Prevention at Allied-Signal

Author(s): PH Arbesman Annual Conference: 1989, Vol. 5

Paper ID: 89-78.2

Waste Minimization by Generation Prevention

Author(s): DM Benforado Annual Conference: 1989, Vol. 5

Paper ID: 89-78.3

Union Carbide's Progress in Reducing Waste Generation

Author(s): HC Ward

Annual Conference: 1989, Vol. 5

Paper ID: 89-78.4

Source Reduction in the Electronics Industry: A Future Challenge

Author(s): K Wolf

Annual Conference: 1989, Vol. 5

Paper ID: 89-78.5

Pollution Prevention Through Innovative Source Reduction Technologies

Author(s): ML Apel, MF Szabo, R Ludwig

Annual Conference: 1989, Vol. 5

Paper ID: 89-78.7

Survey of Radon Concentrations in Residences in Five California Counties

Author(s): KS Liu, FY Huang, SB Hayward, BA Moed

Annual Conference: 1989, Vol. 5

Paper ID: 89-79.1

The Design of Accumulators and Their Use in Determining the Radon Availability of Soil

Author(s): SD Schery

Annual Conference: 1989, Vol. 5

Paper ID: 89-79.2

Techniques for Measuring the Air Leakage Characteristics of Below Grade Foundation Components

Author(s): DA Fugley, RS Dumont Annual Conference: 1989, Vol. 5

Paper ID: 89-79.4

Effect of Pressure Differences on Indoor Radon

Author(s): H Kokotti, P Kalliokoski, T Raunemaa

Annual Conference: 1989, Vol. 5

Paper ID: 89-79.5

Reduction of Radon Working Level by a Room Air Cleaner

Author(s): RW Kuennen, RC Roth Annual Conference: 1989, Vol. 5

Paper ID: 89-79.6

A Comparison of the Volatile Organic Compounds Present in the Air of Real-World Environments with and Without Environmental Tobacco Smoke

Author(s): CJ Proctor

Annual Conference: 1989, Vol. 5

Paper ID: 89-80.4

An Analytical Method to Determine Henry's Law Constant for Selected Volatile Organic Compounds at Concentrations and Temperatures Commonly Found in Tap Water

Author(s): MV Tancrede, Y Yanagisawa

Annual Conference: 1989, Vol. 5

Paper ID: 89-80.5

Assessing Tap-Water Contributions to Inhalation Exposure for Volatile Organic Chemicals

Author(s): TE McKone, J Knezovich Annual Conference: 1989, Vol. 5

Paper ID: 89-80.6

Source Strengths and Sources of Volatile Organic Compounds in a New Office Building

Author(s): AT Hodgson, JM Daisey Annual Conference: 1989, Vol. 5

Paper ID: 89-80.7

Bake-Out of a New Office Building to Reduce Volatile Organic Concentrations

Author(s): J Girman, L Alevantis, M Petreas, 1 Webber

Annual Conference: 1989, Vol. 5

Paper ID: 89-80.8

Evaluation of Chemical Ionization-Ion Trap Detector for the Analysis of Ambient Polar Volatile Organic Compounds

Author(s): SM Gordon, JD Pleil, WA McClenny, RG Lewis

Annual Conference: 1989, Vol. 5

Paper ID: 89-81.1

Development of a Portable Continuous Monitor for Trace Levels of Formaldehyde in Air

Author(s): CR Fortune, EH Daughtrey, WA McClenny

Annual Conference: 1989, Vol. 5

Paper ID: 89-81.2

Collection of Vapor Phase Phenolic Compounds Using an Anion Exchange Resin

Author(s): MG Nishioka, HM Burkholder, JD Pleil

Annual Conference: 1989, Vol. 5

Paper ID: 89-81.3

An Evaluation of a Toxic Air Monitoring Performance Auditing Procedure for an Evaluated Canister Sampling System

Author(s): P Clarke, L Militana, P Virag

Annual Conference: 1989, Vol. 5

Paper ID: 89-81.4

An Automated Multi-Canister System for Sampling of Volatile Organic Compounds (Voc's)

Author(s): JP Krasnec

Annual Conference: 1989, Vol. 5

Paper ID: 89--81.6

National Urban Air Toxics Monitoring Program: Analysis of 24-Hour Integrated Air Samples by Multiple Detector GC and GC/MS

Author(s): J Rice, R McAllister, W Moore

Annual Conference: 1989, Vol. 5

Paper ID: 89-81.8

Indoor Air Quality Simulator for Personal Computers

Author(s): DS Ensor, T Yamamoto, PA Lawlwss, K Owen

Annual Conference: 1989, Vol. 6

Paper ID: 89-82.1

Measurement of Air Exchange Rate of Residential Houses

Author(s): Y Yanagisawa, J Spengler, B Ryan, IH Billick

Annual Conference: 1989, Vol. 6

Paper ID: 89-82.2

Indoor and Outdoor Levels of Benzo (A) Pyrene in a Community of Older Homes

Author(s): JM Waldman, TJ Buclley, PJ Lioy, A Greenberg, J

Butler, C Pietarien

Annual Conference: 1989, Vol. 6

Paper ID: 89-82.3

Passive Sampler for Carbon Monoxide Using a Solid Adsorbent

 $\hbox{Author(s):}\ M\ Hishinuma,\ Y\ Yanagisawa$

Annual Conference: 1989, Vol. 6

Paper ID: 89-82.4

A Ventilation Efficiency Model

Author(s): DR Rask, J Sun Annual Conference: 1989, Vol. 6

Paper ID: 89-83.1

Influence of Job Stress and Satisfaction on the Perceived Health and Comfort of Female and Male Office Workers

Author(s): SR Kleven, JF Steeves, TD Sterling

Annual Conference: 1989, Vol. 6

Paper ID: 89-83.3

Multiplication of Microorganisms in an Evaporative Air Cooler and Possible Indoor Air Contamination

Author(s): JM Macher, JR Girman Annual Conference: 1989, Vol. 6

Paper ID: 89-83.6

Ozone Emissions from Electronics Air Cleansers

Author(s): AS Viner, PA Lawlessm DS Ensor, LE Sparks

Annual Conference: 1989, Vol. 6

Paper ID: 89-84.1

Field Demonstrations of Radon Adsorption Units

Author(s): RF Abrams

Annual Conference: 1989, Vol. 6

Paper ID: 89-84.2

The Reproducibility of ETS Measurements At a Single Site

Author(s): C Thomas, M Parish, P Baker, RA Fenner, J

Tindall

Annual Conference: 1989, Vol. 6

Paper ID: 89-84.5

Measurements of Indoor Particulate Pollution from Household Vacuum Cleaning

Author(s): EH Gschwandtner, D Sanders

Annual Conference: 1989, Vol. 6

Paper ID: 89-84.7

The New Standard Environmental Inventory Questionnaire for Estimation of Indoor Concentrations

Author(s): MD Lebowitz, JJ Quackenfoss

Annual Conference: 1989, Vol. 6

Paper ID: 89-85.2

A Protocol for Initial Investigations of Indoor Air Quality

Author(s): PJ Rafferty

Annual Conference: 1989, Vol. 6

Paper ID: 89-85.4

Indoor Acculation of Semivolatiles

Author(s): IL Gebefugi, F Korte Annual Conference: 1989, Vol. 6

Paper ID: 89-86.1

Comparison of Wind Tunnel Measurements to Two Simple Prediction Techniques for Concentration Levels of Toxic Effluent at Air Intakes

Author(s): MA Ratcliff, RL Petersen Annual Conference: 1989, Vol. 6

Paper ID: 89-86.3

Assessing Indoor Exposure to Volatile Organic Compounds Released from Paint Using the NASA Data Base

Author(s): MC Baechler, J Ozkaynak, JD Spengler, LA

Wallace, WC Nelson

Annual Conference: 1989, Vol. 6

Paper ID: 89-86.7

Air-Sea Exchange of Hexachlorocyclohexane in the Bering and Chukchi Seas

Author(s): DA Hinckley, TF Bidleman, CP Rice

Annual Conference: 1989, Vol. 6

Paper ID: 89-88.2

Organochlorines and Polycyclic Aromatic Compounds in the High Arctic

Author(s): GW Patton, TF Bidleman Annual Conference: 1989, Vol. 6

Paper ID: 89-88.3

Fate and Effects of PAHs in the Terrestrin Environment An Overview

Author(s): NT Edwards

Annual Conference: 1989, Vol. 6

Paper ID: 89-88.4

Gas Exchange Rates and Needle Ascorbate Content of Eastern White Pine Exposed to Ambient Air Pollution

Author(s): BI Chevone, WS Lee, JV Anderson, JL Hess

Annual Conference: 1989, Vol. 6

Paper ID: 89-89.2

Ozone and Water Deficit Effects on the Nitrogen Assimilatory Enzymes of Soybean

Author(s): RB Flagler

Annual Conference: 1989, Vol. 6

Paper ID: 89-89.3

Application of Spectral Coherence Analysis to Describe the Relationships Between Ozone Exposure and Crop Growth

Author(s): SV Krupa, M Nosal Annual Conference: 1989, Vol. 6

Paper ID: 89-89.4

Exposure Yield Response Models for Crops

Author(s): VC Runeckles, EF Wright Annual Conference: 1989, Vol. 6

Paper ID: 89-89.5

The Use of On-Board Diagnostic Systems as a Replacement for the Tailpipe Inspection and Maintenance Test

Author(s): PL Heirigs, SG Albu, KD Drachand

Annual Conference: 1989, Vol. 1

Paper ID: 89-9.2

Methanol-Fueled Light-Duty Vehicle Exhaust Emissions

Author(s): JC Horn, SK Hoekman Annual Conference: 1989, Vol. 1

Paper ID: 89-9.3

Emissions and Fuel Economy Test Results for Methanol-and Diesel Fueled Buses

Author(s): GA Eberhard, M Ansari, SK Hoekman

Annual Conference: 1989, Vol. 1

Paper ID: 89-9.4

Challenges in Developing Emission Control Technology for Offroad Construction Vehicles

Author(s): LW Philp, M Talwar Annual Conference: 1989, Vol. 1

Paper ID: 89-9.5

Building an Electric Vehicle Future

Author(s): LF O'Connell
Annual Conference: 1989, Vol. 1

Paper ID: 89-9.6

Adequacy of Forestry Data in Assessing the Impact of

Ozone: A National Perspective

Author(s): DS Shriner, DE Carpenter Annual Conference: 1989, Vol. 6

Paper ID: 89-90.2

Adequacy of Crop and Forestry Data in Assessing the Impact of Ozone: A California Perspective

Author(s): DM Olszyk, A Bytnerowicz, H Cabrera

Annual Conference: 1989, Vol. 6

Paper ID: 89-90.3

The Adequacy of Data on Ozone Effects on Vegetation: An Economic Perspective

Author(s): RM Adams, JD Glyer Annual Conference: 1989, Vol. 6

Paper ID: 89-90.4

Analysis of the Potential for Noncancer Health Risks Associated with Exposure to Toxic Air Pollutants

Author(s): AS Voorhees, BM Hassett, IL Cote

Annual Conference: 1989, Vol. 6

Paper ID: 89-91.1

Non-Carcinogenic Disease as Effects of Organic Air Toxin Exposure

Author(s): MD Lebowitz

Annual Conference: 1989, Vol. 6

Paper ID: 89-91.2

Factors Influencing Quantitative Risk Assessment of Non-Cancer Health Effects from Air Pollutants

Author(s): GV Alexeeff, DC Lewis Annual Conference: 1989, Vol. 6

Paper ID: 89-91.3

Quantitative Risk Assessment of Non-Cancer Health Effects for Acute Exposure to Air Pollutants

Author(s): DC Lewis, GV Alexeeff Annual Conference: 1989, Vol. 6

Paper ID: 89-91.4

Objective Ranking of Airborne Polynuclear Aromatic Hydrocarbons and Related Compounds Based on Genetic Toxicity

 $\hbox{Author(s): } JP\ Brown$

Annual Conference: 1989, Vol. 6

Paper ID: 89-91.5

Progress in Development of a Biological Tests System to Detect the Effects of Ambient Air

Author(s): JH Price, JM Wiersema Annual Conference: 1989, Vol. 6

Paper ID: 89-91.6

PM10 Associated Mutagenic Activity as an Indicator of Diverse Biological Activities of the Particles

Author(s): DPH Hsieh, SD Colome, M Kleiman, P Jaques

Annual Conference: 1989, Vol. 6

Paper ID: 89-91.7

Estimating Human Equivalent No Observed Effect Levels fro VOCs Based on Minimal Knowledge of Physiological Parameters

Author(s): JH Overton, AM Jarabek Annual Conference: 1989, Vol. 6

Paper ID: 89-91.8

Acute Effects of Acid Aerosols on Respiratory Symptom Reporting in Children

Author(s): J Schwartz, D Dockery, J Ware, J Spengler, D

Wypij, P Koutrakis, F Speitzer, B Ferris

Annual Conference: 1989, Vol. 6

Paper ID: 89-92.1

An Assessment of Pulmonary Function Changes and Oral Ammonia Levels after Exposure of Adolescent Asthmatic Subjects to Sulfuric or Nitric Acid

Author(s): JQ Koeing, QS Hanley, TL Anderson, V

Rebolledo, WE Pierson

Annual Conference: 1989, Vol. 6

Paper ID: 89-92.4

Effects of Inhaled Acidic Aerosols on Respiratory Function: Controlled Clinical Studies

Author(s): M Utell, P Morrow, M Bauer, M Frampton

Annual Conference: 1989, Vol. 6

Paper ID: 89-92.6

Setting an Ambient Odor Standard

Author(s): WE Tutt

Annual Conference: 1989, Vol. 6

Paper ID: 89-93.1

The Health Significance of Odorous Air Emissions From Stationary Sources: Investigation of Odor and Symptom Complaints Neat a Hazardous Waste Site

Author(s): DJ Shusterman, AL Casey, RR Neutra

Annual Conference: 1989, Vol. 6

Paper ID: 89-93.2

Oxidation of Aqueous Hydrogen Sulfide by Peroxymonosulfate

Author(s): EA Betterton, MR Hoffman Annual Conference: 1989, Vol. 6

Paper ID: 89-93.5

Generation of Odors from Combined Sewer Overflow (CSO) Sediments in Jamaica Bay, New York

Author(s): R McClung

Annual Conference: 1989, Vol. 6

Paper ID: 89-93.6

A Panel Study of the Effect of Acid Aerosols on Asthmatics

Author(s): B Ostro, M Lipsett Annual Conference: 1989, Vol. 6

Paper ID: 89-94.1

A Preliminary Investigation of Factors Associated with Increased Sensitivity to Ozone: In a Group of Asthmatics

Author(s): B Gehan, B His, P Buffler, A Holguin, M Morandi,

T Stock

Annual Conference: 1989, Vol. 6

Paper ID: 89-94.2

Respiratory Disease Response in Sensitive Individuals to Indoor and Outdoor Pollen Exposure in Tucson, Arizona

Author(s): MK O'Rourke, JJ Quackenboss, MD Lebowitz

Annual Conference: 1989, Vol. 6

Paper ID: 89-94.3

Urinary Benzo (a) Pyrene as a Biomarker of Total Human Environmental Exposure

Author(s): T Buckley, P Lioy, J Waldman, VR Dhara

Annual Conference: 1989, Vol. 6

Paper ID: 89-94.4

Chronic Respiratory Effects of Indoor Formaldehyde Exposure

Author(s): M Krzyzanowski, JJ Quackenboss, MD Lebowitz

Annual Conference: 1989, Vol. 6

Paper ID: 89-94.5

Quantified Human Exposure and Response to Cat Antigen Aerosols During Chamber and Nebulized Bronchial Provocation Tests

Author(s): MC Swanson, JC Lewis, CE Reed

Annual Conference: 1989, Vol. 6

Paper ID: 89-94.6

Chemical Source Characterization of Residential Wood Combustion Emissions in Denver, Colorado, Bakersfield, California and Mammoth Lake California

Author(s): JE Houck, JM Goulet, JC Chow, JG Watson

Annual Conference: 1989, Vol. 6

Paper ID: 89-95.1

Evaluation of Woodstove Catalytic Combustion Performance in Whitehorse, Yukon

Author(s): CA Simons

Annual Conference: 1989, Vol. 6

Paper ID: 89-95.3

Variation in Emissions of Wood Burning Appliances Fired with Different Fuel Types

Author(s): ACS Hayden, RW Braaten Annual Conference: 1989, Vol. 6

Paper ID: 89-95.4

Induced Secondary Combustion in Woodstoves

Author(s): GA Spolek, J Wasser, R Hall, N Butts

Annual Conference: 1989, Vol. 6

Paper ID: 89-95.5

Destruction of Volatile Organic Compounds Using Catalytic Oxidation

Author(s): M Kosusko, CM Nunez Annual Conference: 1989, Vol. 6

Paper ID: 89-96A.2

Catalytic Destruction of Hazardous Halogenated Organic Chemicals

Author(s): GR Lester

Annual Conference: 1989, Vol. 6

Paper ID: 89-96A.3

Catalytic Incineration of Emissions from a Carbon Adsorption/Air Recirculation System on a Paint Spray Booth

Author(s): RE Kenson, JF Jackson Annual Conference: 1989, Vol. 6

Paper ID: 89-96A.4

First Operating Experiences With the Desonox-Process for Simultaneous Removal, of NOx and SO2 from Flue Gas

Author(s): R Brand, B.Englr, W Honen, P Kleine-Mollhoff, E

Koberstein

Annual Conference: 1989, Vol. 6

Paper ID: 89-96B.1

Commercial Development of Oxidation Catalyst for Gas Turbine Cogeneration Applications

Author(s): J Chen, R Heck, K Burns, Mcollins

Annual Conference: 1989, Vol. 6

Paper ID: 89-96B.2

Fabrication and Properties of Catalytic Cellular Ceramics for the Selective Catalytic Reduction of Nitrogen Oxides

Author(s): I Lachman, J Williams, K Zaun, T Rosenbusch

Annual Conference: 1989, Vol. 6

Paper ID: 89-96B.3

Development of SCR System by MHI for Clean Gas

Author(s): T Koyanagi, K Suyama Annual Conference: 1989, Vol. 6

Paper ID: 89-96B.4

Washcoat-in-the-Wall Honeycomb Catalysis for SCR of NOx

Author(s): JL Williams, IM Lachman, TF Rosenbusch, KE

Zaun

Annual Conference: 1989, Vol. 6

Paper ID: 89-96B.5

Joy/Kawasaki Selective Catalytic Reduction DE-NOX Technology

Author(s): JR Donnelly, B Brown Annual Conference: 1989, Vol. 6

Paper ID: 89-96B.6

Soil Treatment Technology Selection at Superfund Sites

Author(s): S Hokanson, D Hazelwood, J DiLoreto

Annual Conference: 1989, Vol. 6

Paper ID: 89-98.2

Lead Contamination Removal by Soil Washing

Author(s): RA Evangelista, AP Zownir Annual Conference: 1989, Vol. 6

Paper ID: 89-98.3

Results of a Field Scale Test of an APEG Reactor for Chemically Degrading PCBS in Contaminated Soil

Author(s): J Wentz, M Taylor, W Gallagher, DB Chan, CJ

Rogers

Annual Conference: 1989, Vol. 6

Paper ID: 89-98.4

In Situ Application of Vapor extraction Systems to Volatile Organic and Petroleum Hydrocarbon Soil Remediation

Author(s): MS Astin, D Edwards Annual Conference: 1989, Vol. 6

Paper ID: 89-98.5

Soil Vapor Surveys for Rapid Plume Delineation-Field Experience

Author(s): K Nash, D Gabrysch Annual Conference: 1988, Vol. 1

Paper ID: 88.3.5

Empirical Orthogonal Functions of Airborne Sulfur in the Western United States Related to Sources and Upper Level Winds

Author(s): RC Henry, KA Gebhart Annual Conference: 1988, Vol. 3

Paper ID: 88.52.7

A Review of Legislative and Judicial Developments in the Area of Hazardous Material Management

Author(s): PD Burke

Annual Conference: 1988, Vol. 1

Paper ID: 88-10.3

Cleanup Cost Allocation or You Expect Me to Pay How Much?

Author(s): RB Adams, RL Eisenbach, TE Dove, DD

Rosenbook

Annual Conference: 1988, Vol. 1

Paper ID: 88-10.5

The Future of Freshwater Wetlands in the Southeast United States-Potential Impacts of the Greenhouse Warming Effect

Author(s): RJ Field, NA Nielsen, RT Allen

Annual Conference: 1988, Vol. 6

Paper ID: 88-100.3

Potential Impacts of Climate Warming Effects on Aquatic Biota in the Tennessee River System

Author(s): WB Wrenn, NA Nielsen, WL Poppe

Annual Conference: 1988, Vol. 6

Paper ID: 88-100.4

Development and Evaluation of Chemically Impregnated Filter for Deposition Monitoring

Author(s): K Fung

Annual Conference: 1988, Vol. 6

Paper ID: 88-101.2

The EPA National Dry Deposition Network

Author(s): TF Lavery, ES Edgerton, MG Hodges, JJ Bowser

Annual Conference: 1988, Vol. 6

Paper ID: 88-101.3

External Quality Assurance Auditing for the National Dry Deposition Network

Author(s): WG Coulombe, AW Gertler Annual Conference: 1988, Vol. 6

Paper ID: 88-101.4

California's Dry Deposition Monitoring Network

Author(s): LL Ashbaugh, EMFujita, PK Amar

Annual Conference: 1988, Vol. 6

Paper ID: 88-101.5

Screening Criteria for NADP Dry Bucket Sample Data

Author(s): DF Gatz, VC Bowersox, J Su

Annual Conference: 1988, Vol. 6

Paper ID: 88-101.6

Determination of Fluxes of Oxides of Nitrogen by Eddy Correlation

Author(s): BA Watkins, DW Stocker, DH Stedman

Annual Conference: 1988, Vol. 6

Paper ID: 88-101.7

Small-Particle Dry Deposition Measurements: A Comparison of Gradient and Eddy Flux Techniques over Agricultural Fields

Author(s): H Sievering

Annual Conference: 1988, Vol. 6

Paper ID: 88-101.8

Evaluation of the Harvard/EPA Annular Denuder System

Author(s): M Brauer, P Koutrakis, JL Slater, JM Wolfson, JD

Spengler, RK Steven

Annual Conference: 1988, Vol. 6

Paper ID: 88-103.1

Episodic Event Identification Through Explorative Data Analysis

Author(s): S Santanam, JD Spengler Annual Conference: 1988, Vol. 6

Paper ID: 88-103.2

Neutralization of Aerosol Sulfate Particles in the Desert Southwest

Author(s): KD Long, JL Sutherland, PS Bhardwaja

Annual Conference: 1988, Vol. 6

Paper ID: 88-103.3

Sources of Ions Producing Acidic Rain and Visibility Impairment at Grand Canyon, Arizona

Author(s): JF Sisler, WC Malm, KA Gebhart

Annual Conference: 1988, Vol. 6

Paper ID: 88-103.4

Spatial and Temporal Patterns in Sulfate Aerosol Acidity and Neutralization within a Metropolitan Area

Author(s): JM Waldman, PJ Lioy, GD Thurston, M Lippman

Annual Conference: 1988, Vol. 6

Paper ID: 88-103.5

A Study of the Acidic Air and Precipitation Episodes in Ontario

Author(s): AJS Tang, N Reid, WH Chan, M Lusis

Annual Conference: 1988, Vol. 6

Paper ID: 88-103.6

Climatological Characteristics of Exceptional Wet Sulfate and Nitrate Deposition Episodes in North America: Implications for Prediction of Episodic and Long-Term Acidic Depositions

Author(s): BL Niemann

Annual Conference: 1988, Vol. 6

Paper ID: 88-103.7

Acid Deposition in Dallas, Texas: Measured During the Three Years, 1985,1986 and 1987 Correlated with Air Mass Movements

Author(s): GW Crawford Annual Conference: 1988, Vol. 6

Paper ID: 88-103.8

The Trade off Between the Complexity, Input Data and Scale of Application of the Rains Lake Model: A Statistical Analysis

Author(s): JP Hettelingh, RH Gardner Annual Conference: 1988, Vol. 6

Paper ID: 88-104.1

An Assessment of Existing Regulatory Mechanisms for Controlling Precursors of Acid Deposition in Twelve Western States

Author(s): VA Evans

Annual Conference: 1988, Vol. 6

Paper ID: 88-104.2

The Effects of Uncertainty on the Analysis of Atmospheric Deposition

Author(s): CN Bloyd, MJ Small, M Henrion, ES Rubin

Annual Conference: 1988, Vol. 6

Paper ID: 88-104.3

Existing Eastern State and Regional Programs Regulating Acid Deposition

Author(s): VA Evans

Annual Conference: 1988, Vol. 6

Paper ID: 88-104.4

Asbestos and Radon: Pulmonary Anatomy, Physiology and Pathology

Author(s): A Camilli, M Lebowitz Annual Conference: 1988, Vol. 6

Paper ID: 88-105.1

Models of Cancer Causality

Author(s): A Silvers, AD Thrall, RE Wyzga

Annual Conference: 1988, Vol. 6

Paper ID: 88-105.2

Occupational Studies of Radon Daughters & Long Cancer

Author(s): RW Hornung, MA Ballew Annual Conference: 1988, Vol. 6

Paper ID: 88-105.5

EPA'S Perspective on Risks from Residential Radon Exposure

Author(s): JS Puskin, CB Nelson Annual Conference: 1988, Vol. 6

Paper ID: 88-105.7

Current and Past Studies on Household Radon Exposure and Lung Cancer

Author(s): JS Newuberger Annual Conference: 1988, Vol. 6

Paper ID: 88-105.8

Radon---Just Another Soil Gas Pollutant?

Author(s): JH White

Annual Conference: 1988, Vol. 6

Paper ID: 88-106.1

Institutional Obligation: Radon Policy and Strategy Implementation

Author(s): SS Rowan, SD Berwager Annual Conference: 1988, Vol. 6

Paper ID: 88-106.2

Implementation of the Environmental Protection Agency's Radon Action Program

Author(s): B Chiles, RT Rinck, D Wagner

Annual Conference: 1988, Vol. 6

Paper ID: 88-106.3

Assessing Radon Control Options in New Energy Efficient Homes

Author(s): JA Bamberger, MC Baechler, LO Foley, WF

Sandusky, J Harris

Annual Conference: 1988, Vol. 6

Paper ID: 88-106.4

The Rationale and Experience in Implementing New Jersey's Radon Program

Author(s): J Bynum, J Klotz, M Cahill, G Nicholls

Annual Conference: 1988, Vol. 6

Paper ID: 88-106.5

Development of a Radon Program and Policy in Montgomery County, Maryland

Author(s): ES Mendelsohn Annual Conference: 1988, Vol. 6

Paper ID: 88-106.7

Radon in New York State: Goals and Strategies

Author(s): JP Reese, MR Watson Annual Conference: 1988, Vol. 6

Paper ID: 88-106.8

The Role of the Ventilation Industry in Addressing Indoor Radon

Author(s): BW Wellford

Annual Conference: 1988, Vol. 6

Paper ID: 88-106.9

The Radon Service Industry in Selected Northeastern States

Author(s): MR Watson, JP Reese, AR Adams

Annual Conference: 1988, Vol. 6

Paper ID: 88-107.1

Evaluation of Radon Reduction Techniques in Fourteen Basement Houses: Preliminary Results

Author(s): BH Turk, RG Sextro, J Harrison, LM Hubbard, TG

Matthews, CS Dudney

Annual Conference: 1988, Vol. 6

Paper ID: 88-107.2

Radon Mitigation in Crawl Space Houses in Nashville, Tennessee

 ${\sf Author}(s) \hbox{: BE Pyle, AD Williamson, CS Fowler, FE Belzer,} \\$

MC Osborne, T Brennan Annual Conference: 1988, Vol. 6

Paper ID: 88-107.4

Long-Term Assessment of Residential Radon-Mitigation Systems

Author(s): IA Nitschke, ME Clarkin, JE Rizzuto, T Brennan,

M Osborne

Annual Conference: 1988, Vol. 6

Paper ID: 88-107.5

Experience with Alpha Track Detectors

Author(s): RA Oswald, RV Wheeler, C Yoder

Annual Conference: 1988, Vol. 6

Paper ID: 88-107.8

Indoor/Outdoor Measurements of Volatile Organic Compounds in the Kanawha Valley of West Virginia

Author(s): MA Cohen, PB Ryan, Y Yanagisawa, JD Spengler,

H Ozkaynak, PS Epstein

Annual Conference: 1988, Vol. 6

Paper ID: 88-109.2

Indoor Nitrogen Dioxide in Five Chattanooga, Tennessee, Public Housing Developments

Author(s): WJ Parkhurst, JP Harper, JD Spengler, LP

Fraumeni, AM Majahad Annual Conference: 1988, Vol. 6

Paper ID: 88-109.4

Factors Affecting Indoor No2 Concentrations in Homes with Gas Ranges

Author(s): LL Mehegan, MD Koontz, NL Nagda, IH Billick

Annual Conference: 1988, Vol. 6

Paper ID: 88-109.5

Development of Model for Predicting the Distribution of Nitrogen Dioxide Concentrations

Author(s): EE Dryer, IH Billick, PE Baker, JD Spengler, PB

Ryan, SD Colome

Annual Conference: 1988, Vol. 6

Paper ID: 88-109.6

Indoor Volatile Organic Sampling Study in Chattanooga, Tennessee

Author(s): WJ Parkhurst, NT Lee, RE Imhoff, BL Duley

Annual Conference: 1988, Vol. 6

Paper ID: 88-109.7

Monitoring in and Around Public Assess Buildings

Author(s): LS Sheldon, H Zelon, J Sickles, C Eaton, T

Hartwell, R Jungers

Annual Conference: 1988, Vol. 6

Paper ID: 88-109.8

A Federal Perspective on Waste Minimization

Author(s): C Folkerts, E Eby, J Lounsbury

Annual Conference: 1988, Vol. 1

Paper ID: 88-11.1

Technical Assistance: A Massachusetts Source Reduction Pilot Program

Author(s): L Dane

Annual Conference: 1988, Vol. 1

Paper ID: 88-11.2

De-Oiling Refinery Sludges with Liquefied Gas Extraction

Author(s): M Landrigan, Z Altiparakov, R Abrishamian, RD

Fillippi, J Moses

Annual Conference: 1988, Vol. 1

Paper ID: 88-11.3

Hazardous Waste Minimization at Army Installations

Author(s): S Dharmavaram, JB Mount, BA Donahue, WJ

Mikucki, KA Reinbold Annual Conference: 1988, Vol. 1

Paper ID: 88-11.4

Waste Reduction for Chlorinated Solvents Users

Author(s): FTR McElroy, ER Randolph

Annual Conference: 1988, Vol. 1

Paper ID: 88-11.5

Simple Techniques for At-Source reduction of Wastes from Metal Finishing Operations

Author(s): EC Tsai, R Nixon Annual Conference: 1988, Vol. 1

Paper ID: 88-11.6

Waste Minimization to Control VOC Emissions from TSDTS

Author(s): TT Shen, GH Sewell Annual Conference: 1988, Vol. 1

Paper ID: 88-11.7

Waste Minimization Liability Issues

Author(s): ra Wyman, AE Register Annual Conference: 1988, Vol. 1

Paper ID: 88-11.8

Establishing Health Standards for Indoor Levels of Foreign Proteins

Author(s): TAE Mills, MD Chapman, SM Pollart, PW

Heyman, CM Luczynska Annual Conference: 1988, Vol. 6

Paper ID: 88-110.1

Evaluating Sources of Indoor Air Pollution

Author(s): BA Tichenor, LE Sparks, JB White, MD Jackson

Annual Conference: 1988, Vol. 6

Paper ID: 88-110.2

Niosh Indoor Air Quality Investigations: 1971 Through 1987

Author(s): MS Candall

Annual Conference: 1988, Vol. 6

Paper ID: 88-110.3

A Proposed Plan for Assessing Indoor Air Quality of Non-Industrial Buildings

Author(s): CY Shaw

Annual Conference: 1988, Vol. 6

Paper ID: 88-110.4

The Occupational Health Component of TVA'S Building Management Program (RMP)

Author(s): DR Butler

Annual Conference: 1988, Vol. 6

Paper ID: 88-110.5

The Sick Building Syndrome: A Review

Author(s): LA Wallace

Annual Conference: 1988, Vol. 6

Paper ID: 88-110.6

Sick Building Syndrome and Inadequate Ventilation

Author(s): CW Collett, EM Sterling Annual Conference: 1988, Vol. 6

Paper ID: 88-111.2

Edifice Complex: An Anatomy of Sick Building Syndrome Control and Abatement

Author(s): H Levin

Annual Conference: 1988, Vol. 6

Paper ID: 88-111.3

Air Cleaner Efficiencies for Removal of Nitrogen Dioxide and Volatile Organic Compounds

Author(s): JM Daisey, AT Hodgson Annual Conference: 1988, Vol. 6

Paper ID: 88-111.4

The Texas Air Toxics Program

Author(s): L Montgomery, RW Burnop

Annual Conference: 1988, Vol. 6

Paper ID: 88-113.4

Maturing of New Jersey's Air Toxic Program

Author(s): JL Held, AJ Opperman. J Laznow

Annual Conference: 1988, Vol. 6

Paper ID: 88-113.5

Staten Island/New Jersey Urban Air Toxics Assessment

Project: AN Overview

Author(s): C Simon, E Ferrand, J Berkowitz, J Elston, T Allen,

M Kormanik

Annual Conference: 1988, Vol. 6

Paper ID: 88-113.6

Estimation of Maximum Annual Ambient Concentrations of Air Toxics Resulting from Industrial Facility Emissions

Author(s): RM Rehm, JJ Vandenberg, MA Trutna, DF Painter

Annual Conference: 1988, Vol. 6

Paper ID: 88-113.7

Staten Island/New Jersey Urban Air Toxics Assessment Project Monitoring Air Quality Control

Author(s): C Pietarinen, S Quan, D Gower

Annual Conference: 1988, Vol. 6

Paper ID: 88-113.8

Human Exposure to Environmental Pollutants

Author(s): WR Ott

Annual Conference: 1988, Vol. 7

Paper ID: 88-115.1

A Computerized Bibliographic Literature Information System for Total Human Exposure Monitoring Research

Author(s): M Dellarco, W Ott, L Wallace, H Hunt

Annual Conference: 1988, Vol. 7

Paper ID: 88-115.2

Field Sampling for Volatiles at a Residential Site

Author(s): VK Jo, L Berrafato, C Pietatinen, A DiGioia

Annual Conference: 1988, Vol. 7

Paper ID: 88-115.4

High-Flow, 24-Hour Personal Sampling: Problems and Solutions

Author(s): TJ Buckley, JM Waldman, PJ Lioy

Annual Conference: 1988, Vol. 7

Paper ID: 88-115.5

Preliminary Results From the Baltimore Team Study

Author(s): LA Wallace, WC Nelson, TD Hartwell, R Perritt, D

Smith, J Sebestik, J Keever, L Michael.E Pellizzari

Annual Conference: 1988, Vol. 7

Paper ID: 88-115.6

Land Treatment of Petroleum Refining Wastes: Practice, Performance and Potential Hazards

Author(s): BB Evans

Annual Conference: 1988, Vol. 7

Paper ID: 88-116.1

Land Treatment Units for Hazardous Wastes: Permitting and Closure

Author(s): RC Sims, JL Sims Annual Conference: 1988, Vol. 7

Paper ID: 88-116.2

Environmental Canada Research on Land Treatment of Petroleum Wastes

Author(s): TL Bulman, RP Scroggins Annual Conference: 1988, Vol. 7

Paper ID: 88-116.3

Assessment of Air Emissions from a Laboratory Land Treatment Facility

Author(s): TP Nelson, JL Randall, BJ Hayes, RD Achord, RC

Keeney, JI Steinmetz

Annual Conference: 1988, Vol. 7

Paper ID: 88-116.4

Evaluating the Uncertainty of Estimates of Hazardous Air Emissions from Land Treatment Systems Using the Thibodeaux-Hwang Air Emission Release Rate Model

Author(s): RR Dupont, TB Hardy, JAR Coover

Annual Conference: 1988, Vol. 7

Paper ID: 88-116.6

Assessing Inhalation Risks from the Land Treatment of Petroleum Refining Wastes

Author(s): DJ Fingleton, H Ozkaynak Annual Conference: 1988, Vol. 7

Paper ID: 88-116.7

Methodology for the Assessment of Health Risks Associated with Multiple Pathway Exposure to Municipal Waste Combustor Emissions

Author(s): DH Cleverly, RG Kellam, RM Morrison, NC

Possiel, L Fradkin, PM McGinnis Annual Conference: 1988, Vol. 7

Paper ID: 88-118.1

Author(s):

Annual Conference: 1988, Vol. 6

Paper ID: 88-118.2

Dioxins in the Agricultural Foodchain: A Health Risk Assessment Model for MSW Incinerators

Author(s): JB Stevens

Annual Conference: 1988, Vol. 7

Paper ID: 88-118.2

Multimedia, Multiple Pathway Exposure Assessments: Model and Uncertainties

Author(s): TE McKone, PB Ryan Annual Conference: 1988, Vol. 7

Paper ID: 88-118.4

Resource Conservation Recovery Act (RCRA) Facility Investigation Guidance for Characterizing Releases to Air-An Overview

Author(s): RR Stoner, AR Day Annual Conference: 1988, Vol. 7

Paper ID: 88-118.5

Dry Deposition of Sulfur Dioxide and Nitric Acid to Oak, Elm and Pine Leaves

Author(s): JM Basch

Annual Conference: 1988, Vol. 7

Paper ID: 88-119.1

On the Use of Measurements and Models of Dry Deposition

Author(s): TP Meyers, DR Matt, DD Baldocchi, BB Hicks

Annual Conference: 1988, Vol. 7

Paper ID: 88-119.2

Atmospheric Summertime Concentrations and Estimated Dry Deposition Rates of Nitrogens and Sulfur Species at a Smoky Mountain Site in North Carolina

Author(s): SH Cadle, PA Mulawa Annual Conference: 1988, Vol. 7

Paper ID: 88-119.3

An Overview of Dry Deposition Characterization in a Tree/Grass Ecotone

Author(s): DD Lane, GA Martoz, SJ Randke, RE Carter, SC

Mauch, MJ Thomas, PG Torrey Annual Conference: 1988, Vol. 7

Paper ID: 88-119.4

Hydrogen Tons Associated with the Dry Deposition of Pollen

Author(s): KE Noll, EK Khalili Annual Conference: 1988, Vol. 7

Paper ID: 88-119.5

Sulfate Dry Deposition to Red Oak and Tulip Popular Leaves

Author(s): JJ Vandenberg, KR Knoerr Annual Conference: 1988, Vol. 7

Paper ID: 88-119.6

A Comprehensive Evaluation of the Ashtrap Regional Scale Air Quality-Acid Deposition Model Using Recent Aerometric and Precipitation Chemistry Data Bases in Eastern North America

Author(s): BL Niemann

Annual Conference: 1988, Vol. 7

Paper ID: 88-119.7

Risk Communication on the Community Level European Experiences from the Seveso Directive

Author(s): O Renn

Annual Conference: 1988, Vol. 7

Paper ID: 88-120.1

Strategies for Explaining Very Small Risks in a Community Context

Author(s): A Fisher, GH McClelland, WD Schultze

Annual Conference: 1988, Vol. 7

Paper ID: 88-120.2

The Chemical Industry and Title 111: A Risk Comparison Project

Author(s): JE Slavick

Annual Conference: 1988, Vol. 7

Paper ID: 88-120.3

Risk Communication and Local Emergency Planning Committees

Author(s): WL Owens, WD Conn, RC Rich, JB Manhein

Annual Conference: 1988, Vol. 7

Paper ID: 88-120.4

Communicating Health Risks from Airborne Toxic Substances

Author(s): BK Mortensen, PP Walling, PJ Koval

Annual Conference: 1988, Vol. 7

Paper ID: 88-120.5

Critical Issues in the Review of the Ozone National Ambient Air Quality Standards

Author(s): DJ McKee, PM Johnson Annual Conference: 1988, Vol. 7

Paper ID: 88-121.1

Use of Exposure Analysis and Risk Assessment in the Ozone NAAOS Review Process

Author(s): HM Richmond, T McCurdy

Annual Conference: 1988, Vol. 7

Paper ID: 88-121.3

Analysis of Crop Loss for Alternative Ozone Exposure Indices

Author(s): DT Tingey, WE Hogsett, EH Lee

Annual Conference: 1988, Vol. 7

Paper ID: 88-121.4

A More Robust Ozone Air Quality Standard

Author(s): DP Chock

Annual Conference: 1988, Vol. 7

Paper ID: 88-121.5

An Apparently Linerar Dose-Dependent Impairment of Function in Alveolar Macrophages Isolated from Mice Exposed to Ozone for up to 6 Hours

Author(s): MA Ahoruso, BD Goldstein, j Ryer-Powder, JR

Warren

Annual Conference: 1988, Vol. 7

Paper ID: 88-122.1

Repeated Exposure to Ozone (03) and Chronic Lund Disease: Recent Animal Data

Author(s): DL Costa, MS Stevens, JS Tepper

Annual Conference: 1988, Vol. 7

Paper ID: 88-122.3

Differences of the Effects of 0.15 ppm 03 Exposure on Pulmonary Function in Healthy Young Males and Females

Author(s): J Kagawa, S Shimitzu Annual Conference: 1988, Vol. 7

Paper ID: 88-122.4

Seasonal Ozone Reactivity in Los Angeles Residents

Author(s): EL Avol, WS Linn, DA Shamoo, JD Hackney

Annual Conference: 1988, Vol. 7

Paper ID: 88-122.6

Review of Epidemiological Studies on Ozone Exposures

Author(s): H Ozkaynak, B Burbank, PL Kinney, GD Thurston

Annual Conference: 1988, Vol. 7

Paper ID: 88-122.7

An Update on the Tucson Community Study of Indoor/Outdoor Air Pollution and Respiratory Responses

Author(s): JJ Quackenboss, MD Lebowitz, PB Pfersdorf, S

Lanand, S Monroe, M Sells, J Winburn, C Hayes

Annual Conference: 1988, Vol. 7

Paper ID: 88-124.2

Applications of a Method for Setting Air Quality Standards Based on Epidemiological Data

Author(s): DE Abbey, GL Euler, JK Moore, F Petersen, TL

Butler, JE Hodgkin

Annual Conference: 1988, Vol. 7

Paper ID: 88-124.3

Ongoing Observational Studies of the Human Health Effects of Particulate Air Pollution Being Conducted by New York University

Author(s): GD Thurston, M Lippman Annual Conference: 1988, Vol. 7

Paper ID: 88-124.5

The Houston Area Asthma Study: A Reanalysis

Author(s): TH Stock, BM Gehan, PA Buffler, CF Constant,

BP His, MT Morandi

Annual Conference: 1988, Vol. 7

Paper ID: 88-124.6

Identification of Sensitivity and Susceptibility in Subjects and Evaluation of Their Empirical Responses to Air Pollution

Author(s): MD Lebowitz, JJ Quackenboss

Annual Conference: 1988, Vol. 7

Paper ID: 88-124.7

Evaluation of Central Monitoring for Estimating Outdoor Exposure to Air Contaminants

Author(s): CW Chung, MT Morandi, TH Stock

Annual Conference: 1988, Vol. 7

Paper ID: 88-124.8

The Possible Role of Aluminum in Red Spruce Decline

Author(s): FC Thornton, JD Joslin, DJ Raynal

Annual Conference: 1988, Vol. 7

Paper ID: 88-125.1

Responses of Loblolly Pine Half-Sib Families to Ozone

Author(s): RA Reinert, SR Shafer, g Eason, MM

Schoeneberger, C Wells Annual Conference: 1988, Vol. 7

Paper ID: 88-125.2

Growth Responses and Drought Susceptibility of Red Spruce Seedlings Exposed to Simulated Acidic Rain and Ozone

Author(s): WS Lee, BI Chevone, JR Seiler

Annual Conference: 1988, Vol. 7

Paper ID: 88-125.3

Pollutant Characterization and Effects of Oxidants and Dry Deposition on Seedlings of Pine Species

Author(s): D Olszyk, A Bytnerowicz, B Takemoto

Annual Conference: 1988, Vol. 7

Paper ID: 88-125.4

Effects of Air Pollutants on Plant-Insect Interactions

Author(s): AH Chappelka, ME Kraemer

Annual Conference: 1988, Vol. 7

Paper ID: 88-125.5

Advancements in Estimating Urban Population Exposure

Author(s): RA Paul, T Johnson, T McCurdy

Annual Conference: 1988, Vol. 7

Paper ID: 88-127.1

Incorporation of Monte Carlo Simulation Techniques into the R-Ram 11 Health Risk Assessment Model

Author(s): DE McNally, J Lowe, TW Tesche

Annual Conference: 1988, Vol. 7

Paper ID: 88-127.2

A Risk Assessment Based Air Enforcement Strategy for Harris County, Texas

Author(s): MH Nicewander Annual Conference: 1988, Vol. 7

Paper ID: 88-127.4

An Air Toxics Controllability Analysis for Santa Clara County, California

County, Cattfornia

Author(s): RJ Dickson

Annual Conference: 1988, Vol. 7

Paper ID: 88-127.5

Cancer Risks from Air Toxics in Urban Areas

Author(s): T Lahre

Annual Conference: 1988, Vol. 7

Paper ID: 88-127.6

Air Toxics Emissions from Motor Vehicles

Author(s): PM Carey, JH Somers Annual Conference: 1988, Vol. 7

Paper ID: 88-128.1

Assessment of Toxic Air Pollutants from TVA'S Coal-Fired Power Plants

Author(s): D Lokey, JA Manning Annual Conference: 1988, Vol. 7

Paper ID: 88-128.2

Emissions of Air Toxics from a Coal-Fired Power Plant: Evaluating the Trade-Offs Between Public Health Risks and Emission Control Costs

Author(s): GS Kowalczyk, LB Gratt, KM Conner, TY Choi,

TF Wilson

Annual Conference: 1988, Vol. 7

Paper ID: 88-128.5

Cloud Chemistry Research at Whiteface Mountain

Author(s): VA Mohnen, JA Kadlecek Annual Conference: 1988, Vol. 7

Paper ID: 88-129.1

Dynamic Chemical Characterization of Montane Clouds

Author(s): VP Aneja, CS Claiborn, SR Chiswell, RL Bradow,

RJ Paur, RE Baumgardner Annual Conference: 1988, Vol. 7

Paper ID: 88-129.2

Chemical Inputs to Fir Trees from Rain and Clouds at Clingmans Peak, North Carolina

Author(s): JM Dasch

Annual Conference: 1988, Vol. 7

Paper ID: 88-129.3

Relationship Between Cloud Chemistry and Meteorology in Central Virginia: A Preliminary Study

Author(s): JT Sigmon, MJ Estes Annual Conference: 1988, Vol. 7

Paper ID: 88-129.4

The 1986 Chemistry of High Elevation Fog Project

Author(s): RS Schemenauer, C Winston Annual Conference: 1988, Vol. 7

Paper ID: 88-129.6

Source/Receptor Relationships in High Elevation Acidic Deposition

Author(s): LM Reisinger, RE Inhoff Annual Conference: 1988, Vol. 7

Paper ID: 88-129.7

Utilization of Indigenous Microflora in the Demonstration of In Situ Biodegradation at a Superfund Site

Author(s): R Woodward, H Clark, DK Ramsden

Annual Conference: 1988, Vol. 1

Paper ID: 88-13.2

Minimizing Site Characterization and Monitoring Costs with Soil Gas Surveying

Author(s): MS Astin,

Annual Conference: 1988, Vol. 1

Paper ID: 88-13.3

Planning and Conducting Sampling Surveys of Hazardous Wastes at Industrial Facilities

Author(s): BA Bommer, TP Oux, DJ March

Annual Conference: 1988, Vol. 1

Paper ID: 88-13.4

Long-Term Changes in the Elemental Composition of Soil and Vegetation in the Vicinity of a Major Coal-Fired Power Plant in Minnesota

Author(s): DW Gardner, SV Krupa Annual Conference: 1988, Vol. 7

Paper ID: 88-130.3

Differential Cadmium Accumulation and Phytotoxicity in Sixteen Tobacco Cultivars

Author(s): BB Clarke, E Brennan Annual Conference: 1988, Vol. 7

Paper ID: 88-130.4

The Production of Mutagens in Cooked Foods

Author(s): MG Knize, NH Shen, JS Felton

Annual Conference: 1988, Vol. 7

Paper ID: 88-130.5

Screening Approach for Principal Organic Hazardous Constituents and Products of Incomplete Combustion

Author(s): LD Johnson, MR Midgett, RH James, MM

Thomason, ML Manier

Annual Conference: 1988, Vol. 8

Paper ID: 88-131.01

Trial Burn Measurement Guidance

Author(s): RM Neulichts, AR Trenholm, JR Coates

Annual Conference: 1988, Vol. 8

Paper ID: 88-131.2

Performance Audit Results for Volatile Principal Organic Hazardous Constituent (POHC) Measurements During RCRA Trial Burn Tests

Author(s): RKM Jayanty, CK Sokol, DJ V Lehmden

Annual Conference: 1988, Vol. 8

Paper ID: 88-131.3

Evaluation of Methodology for Measurement of Toxic Metals in Incinerators Stack Emissions

Author(s): TE Ward, MR Midgett, GD Rives, NF Cole, DE

Wagoner

Annual Conference: 1988, Vol. 8

Paper ID: 88-131.4

Observations on the Analysis of Incinerator Emission Samples for Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans

Author(s): Y Tondeur, MD Chu, JR Hass

Annual Conference: 1988, Vol. 8

Paper ID: 88-131.6

Measurements of Priority Pollutants in Combustion Products Derived from the Department of Energy's (DOE) Coal-Fired Flow Facility Magnetohydrodynamic (MHD) System

Author(s): KD Parks, AC Sheth Annual Conference: 1988, Vol. 8

Paper ID: 88-131.7

Refining Air Toxics Emissions Inventories: A New Jersey Case Study

Author(s): BS Carhart, WF Koucky, MK Corman, AJ

Opperman

Annual Conference: 1988, Vol. 8

Paper ID: 88-131.8

Economic Analysis and the Regulation of Toxic Air Pollutants

Author(s): R Anderson, M Beauchamp Annual Conference: 1988, Vol. 8

Paper ID: 88-132.2

Toxics Versus Criteria Pollutants Mitigation in Philadelphia

Author(s): RA Luken, BR Snyder Annual Conference: 1988, Vol. 8

Paper ID: 88-132.3

The Application of Benefit-Cost Analysis to Asbestos Product Regulation

Author(s): M Shapiro, C Augustyniak Annual Conference: 1988, Vol. 8

Paper ID: 88-132.5

Controlling Hydrocarbon Emissions from Tank Vessel Loading: Results of an Assessment by the National Research Council Committee on Control and Recovery of Hydrocarbon Vapors from Ships and Barges

Author(s): CA Bookman Annual Conference: 1988, Vol. 8

Paper ID: 88-135.1

Tosco Corporation's Marine Vapor Recovery System

Author(s): PG Mikolaj, DB Bordvick Annual Conference: 1988, Vol. 8

Paper ID: 88-135.2

Production, Distribution and Cost of Oxygenated Gasoline Blends as a CO Control Strategy

Author(s): JH Holmes, BS Dworsky Annual Conference: 1988, Vol. 8

Paper ID: 88-135.3

Air Pollution Issues Along the Texas and New Mexico Borders with the Republic of Mexico

Author(s): WB Hathaway, JW Yarbrough

Annual Conference: 1988, Vol. 8

Paper ID: 88-136.1

Preliminary Study of the Acid Deposition in the Tijuana Area (Mexico)

Author(s): HA Bravo, RE Sosa, RJ Torres

Annual Conference: 1988, Vol. 8

Paper ID: 88-136.3

An Evaluation of Current Instrumentation for Continuous Monitoring of Hydrogen Chloride Emissions from Waste Incinerators

Author(s): r Rollins, TJ Logan, MR Midgett

Annual Conference: 1988, Vol. 8

Paper ID: 88-137.1

Real Time Monitoring of Very Low (10Parts Per Trillion) Pollutions in Air

Author(s): SN Ketkar, WL Fite Annual Conference: 1988, Vol. 8

Paper ID: 88-137.3

Development of An Operations Monitoring Plan for a Subpart Da Industrial Boiler

Author(s): JJ Macak

Annual Conference: 1988, Vol. 8

Paper ID: 88-137.4

Advances and Opacity CEMS Performance Auditing

Author(s): S Plaisance

Annual Conference: 1988, Vol. 8

Paper ID: 88-137.7

Using Mediation to Reach Voluntary Superfund Settlement Agreements

Author(s): E Berman

Annual Conference: 1988, Vol. 8

Paper ID: 88-138.2

EPA'S Experience in the Use of Alternative Dispute Resolution in Enforcement and Defense Matters

Author(s): RH Robinson Annual Conference: 1988, Vol. 8

Paper ID: 88-138.3

High Altitude Carbon Monoxide Control

Author(s): DM Wells

Annual Conference: 1988, Vol. 8

Paper ID: 88-139.1

Application of the Urban Airshed Model for Carbon Monoxide (CO) in Phoenix, Arizona

Author(s): JL Haney, RG Ireson Annual Conference: 1988, Vol. 8

Paper ID: 88-139.11

Calculating Carbon Monoxide Emissions from Vehicle in Phoenix

Author(s): MC Dudik, RG Ireson Annual Conference: 1988, Vol. 8

Paper ID: 88-139.12

New York City's Better Air Campaign a Program to Attain the Carbon Monoxide Standard

Author(s): G Soffian, I Tsarnas, J Antokas

Annual Conference: 1988, Vol. 8

Paper ID: 88-139.2

Meteorological and Vehicular Persistence Factors for Mobile Source Carbon Monoxide Modeling

Author(s): CD Cooper

Annual Conference: 1988, Vol. 8

Paper ID: 88-139.3

Fireplaces and Carbon Monoxide Levels in Houston, Texas During Exceedances of the 8-Hour Average Carbon Monoxide Standard 1983 Through 1986

Author(s): RG McMullen, DE Evans Annual Conference: 1988, Vol. 8

Paper ID: 88-139.4

Low Temperature CO Emission Control from New Motor Vehicles

Author(s): PA Lorang, RE Larson Annual Conference: 1988, Vol. 8

Paper ID: 88-139.5

Cold Temperature Strategies

Author(s): KD Verrelli, RG King, RW Joy

Annual Conference: 1988, Vol. 8

Paper ID: 88-139.7

The Colorado Oxygenated Fuels Demonstration Project

Author(s): CJ Hammel, KB Livo, T Hollman, J Galagher

Annual Conference: 1988, Vol. 8

Paper ID: 88-139.8

Incineration of PCB Contaminated Soils in a Transportable Incinerator

Author(s): MG Cosmos, RM Leuser Annual Conference: 1988, Vol. 1

Paper ID: 88-14.1

Implications of the Montreal Protocol for Atmospheric Emissions of Alternative Chemicals

Author(s): ND Smith, DL Harmon, KE Hummel

Annual Conference: 1988, Vol. 8

Paper ID: 88-140.1

Impact on Ozone Attainment of CFC Controls Used to Prevent Future Depletion of Stratospheric Ozone

Author(s): DL Harmon, ND Smith Annual Conference: 1988, Vol. 8

Paper ID: 88-140.4

Atmospheric Chemical and Climate Change: Possible Effects on Tropospheric Ozone

Author(s): AM Thompson Annual Conference: 1988, Vol. 8

Paper ID: 88-140.5

The Montreal Protocol on Substances that Deplete the Ozone Layer

Author(s): GV Buxton

Annual Conference: 1988, Vol. 8

Paper ID: 88-141.1

The Canadian Control Program to Protect the Ozone Layer

Author(s): TD Leah

Annual Conference: 1988, Vol. 8

Paper ID: 88-141.2

Norway's Implementation of the International Stratospheric Ozone Protocol

Author(s): PM Bakken

Annual Conference: 1988, Vol. 8

Paper ID: 88-141.3

Stratospheric Ozone Protection: The Montreal Protocol Implementation and What's in it for State and Local Officials

Author(s): JS Hoffman, JB Wells Annual Conference: 1988, Vol. 8

Paper ID: 88-141.4

Risk Reduction at Potential Sources of Emergency Releases of Chemical Gases and Vapours

Author(s): GB Nelson

Annual Conference: 1988, Vol. 8

Paper ID: 88-146.1

Dispersion Modeling of Accidental Releases Forming Aerosols

Author(s): JL Woodward

Annual Conference: 1988, Vol. 8

Paper ID: 88-146.10

Control and Safety Review of Semiconductor Industrial Processes Utilizing Diborane

Author(s): J Rinko, SJ Speigel Annual Conference: 1988, Vol. 8

Paper ID: 88-146.11

An Economic Model for Evaluating Alternative Risk Management Measures Applied to Utility PCB Equipment

Author(s): D Amaral

Annual Conference: 1988, Vol. 8

Paper ID: 88-146.12

The Atmospheric Release Advisory Capability (ARAC) a Federal Emergency Response Capability

Author(s): MH Dickerson, TJ Sullivan Annual Conference: 1988, Vol. 8

Paper ID: 88-146.2

Distributed Dispersion Modeling System

Author(s): JR Foster, CB Bonhan Annual Conference: 1988, Vol. 8

Paper ID: 88-146.3

Site Specific Estimation of Air Release Impacts from Superfund Clean-Up Sites

Author(s): WR Mura, A Roffman Annual Conference: 1988, Vol. 8

Paper ID: 88-146.4

Role of Aerosols in the Early Stages of Heavy Gas Cloud Dispersion

Author(s): MT Mills

Annual Conference: 1988, Vol. 8

Paper ID: 88-146.5

Dense Gas Dispersion Modeling on the IBM-PC

Author(s): JE Hofmann

Annual Conference: 1988, Vol. 8

Paper ID: 88-146.7

Probability and Control Cost Effectiveness for Accidental Toxic Chemical Releases

Author(s): GB DeWolf, JD Quass, JC Bare

Annual Conference: 1988, Vol. 8

Paper ID: 88-146.8

Estimating Environmental Releases Under the Emergency Planning and Community Right-To-Know Act

Author(s): RW Gerstle, D Perrin Annual Conference: 1988, Vol. 8

Paper ID: 88-146.9

Control and Mitigation Systems for Accidental Releases of Toxic Chemicals

Author(s): ER Krishnan, PW Utrecht, JC Bare

Annual Conference: 1988, Vol. 8

Paper ID: 88-147.1

Scrubbers for Emergency Pressure Relief Systems

Author(s): D McIntosh

Annual Conference: 1988, Vol. 8

Paper ID: 88-147.2

The Case for On-Site Destruction of Hazardous Wastes by Thermal Oxidation

Author(s): JH Hirt

Annual Conference: 1988, Vol. 8

Paper ID: 88-147.3

Evaluation of Temporary Safe Havens

Author(s): PR Jann

Annual Conference: 1988, Vol. 8

Paper ID: 88-147.4

Computer Assistance in Hazards Analyses and Emergency Planning

Author(s): JC Bare

Annual Conference: 1988, Vol. 8

Paper ID: 88-148.1

Review of Hazardous Waste Incinerators in Texas

Author(s): JB Randall, RI Velasques, SE Feltch, S Crowther

Annual Conference: 1988, Vol. 1

Paper ID: 88-15.2

RCRA and TSCA Burns at Occidental Chemical Corporation's Liquid Injection Incinerator

Author(s): P Gorman, J Nichter, JA Juszkiewicz

Annual Conference: 1988, Vol. 1

Paper ID: 88-15.5

Mini-Burns-Critical to Trial Burn Success

Author(s): JJ Santoleri

Annual Conference: 1988, Vol. 1

Paper ID: 88-15.6

Refinement of a Sampling and Analytical Approach to Characterization of Organic Compound Releases Using a Whole-Air Technique

Author(s): JR Helvig, RW Tripp, GA Marotz, DD Lane, RE

Carter

Annual Conference: 1988, Vol. 8

Paper ID: 88-150.10

An Internal Standard Procedure for Whole Air Stainless Steel Samplers

Author(s): RE Carter, DD Lane, GA Marotz, RW Tripp, JR

Helvig

Annual Conference: 1988, Vol. 8

Paper ID: 88-150.11

An Update on Grab Sampling of Volatile Organics (VOC''S) and Other Toxic Gases FALSE

Author(s): JP Krasnec

Annual Conference: 1988, Vol. 8

Paper ID: 88-150.2

Automatic Sampler for Collection of 24-Hour, Integrated Whole-Air Samples for Organic Analysis

Author(s): VL Thompson, FF McElroy, LJ Purdue, RF

Jongleux

Annual Conference: 1988, Vol. 8

Paper ID: 88-150.3

Air Toxics Interface and Analytical Systems for Ambient Air Sampling

Author(s): J Rice, RA McAllister, DP Dayton, RF Jongleux,

WH Moore, DE Wagoner Annual Conference: 1988, Vol. 8

Paper ID: 88-150.4

Wind Direction Dependent Whole-Air Sampling for Ambient

Author(s): KD Oliver

Annual Conference: 1988, Vol. 8

Paper ID: 88-150.6

Development and Evaluation of a Rapid Multicomponent Calibration Procedure for Air Toxics Analysis Using the Trace Atmospheric Gas Analyzer (TAGA)

Author(s): CW Spicer, DV Kenny, LE Slivon, GF Ward

Annual Conference: 1988, Vol. 8

Paper ID: 88-150.7

Determination of Ambient Air Hydrocarbons in 39 US Cities

Author(s): RL Seila, WA Lonneman Annual Conference: 1988, Vol. 8

Paper ID: 88-150.8

Ambient Particulate Monitoring in Support of Magnetohdrodynamics Development

Author(s): JL Casey

Annual Conference: 1988, Vol. 8

Paper ID: 88-151.1

Soiling Degradation by Atmospheric Aerosols in an Urban Industrial Area

 $\hbox{Author(s): PJ Creighton, PJ Lioy, FC Haynie, TJ Lemons, JL}\\$

Miller, J Gerhart

Annual Conference: 1988, Vol. 8

Paper ID: 88-151.2

The Change in Mass Size Distribution of Aerosol Near Dumps as a Result of Resuspension of Dust

Author(s): JS Pastuszka, J Kwapulinski Annual Conference: 1988, Vol. 8

Paper ID: 88-151.3

The Effect of Hydrate Injection on ESP Performance

Author(s): JP Gooch, GH Marchant, R Beittel, JL DuBard

Annual Conference: 1988, Vol. 8

Paper ID: 88-153.1

Results Form the First Year of Operation of the EPRI High Sulfur Spray Dryer/Fabric Filter Pilot Unit

Author(s): G Blythe, L Lepovitz, R Rhudy, K Cushing

Annual Conference: 1988, Vol. 8

Paper ID: 88-153.3

Session Number 154P General Poster Session

Author(s):

Annual Conference: 1988, Vol. 8

Paper ID: 88-154P

Operational Experience with Infrared Thermal Treatment of Hazardous Waste

Author(s): PL Daily

Annual Conference: 1988, Vol. 1

Paper ID: 88-16.1

Economic Risk Assessment of Facilities Burning Hazardous Materials

Author(s): GA Holton

Annual Conference: 1988, Vol. 1

Paper ID: 88-16.4

Continuous (Local and Remote) Emission Monitoring System for a Transportable Hazardous Waste Incinerator

Author(s): AK Cohen, PA Clarke, RM Leuser

Annual Conference: 1988, Vol. 1

Paper ID: 88-16.5

Principal Organic Hazardous Constituent (POHC) Selection: Sorting Through the Alternatives

Author(s): GD Hinshaw

Annual Conference: 1988, Vol. 1

Paper ID: 88-16.6

Retrofitting an Industrial Liquid/Sludge Incinerator

Author(s): H Franco

Annual Conference: 1988, Vol. 1

Paper ID: 88-16.7

Hazardous Waste Treatment Capabilities of the Shirco Infrared Demonstration and Full Scale Mobile Waste Processing Systems

Author(s): G Haskins

Annual Conference: 1988, Vol. 1

Paper ID: 88-17.2

Hazardous Waste Incinerator Performance Evaluation Using Four POHC'S and Sulphur Hexafluoride

Author(s): DG Colley, DJ Picard, RJ Rutberg

Annual Conference: 1988, Vol. 1

Paper ID: 88-17.3

On the Fundamentals of Thermal Treatment for the Cleanup of Contaminated Soils

Author(s): JS Lighty, GD Silcox, DW Pershing, VA Cundy

Annual Conference: 1988, Vol. 1

Paper ID: 88-17.5

Data Acquisition System for a Pilot Plant Circulating Bed Combustor

Author(s): KM Snow, PL Knoll Annual Conference: 1988, Vol. 1

Paper ID: 88-17.7

Groundwater Monitoring What Does It All Mean?

Author(s): PM Zimmerman, RB Adams Annual Conference: 1988, Vol. 1

Paper ID: 88-2.1

Field-Screening Techniques: Quick and Effective Tools for Optimizing Hazardous Waste Site Investigations

Author(s): LM Preslo, WM Leis Annual Conference: 1988, Vol. 1

Paper ID: 88-2.2

Soil Gas Technology: Applied Applications

Author(s): MD Favero, GM Thompson Annual Conference: 1988, Vol. 1

Paper ID: 88-2.3

Characterization of Hospital Waste Emissions

Author(s): CS Konheim, F Hasselriis Annual Conference: 1988, Vol. 1

Paper ID: 88-20.1

Retrofitting Acid Controls on Operating Refuse Incinerators

Author(s): ML Holzman, RS Atkins Annual Conference: 1988, Vol. 1

Paper ID: 88-21.1

Emission, Heavy Metals, Boiler Efficiency and Disposal Capacity for Mass Burn Incineration with a Presorted New Fuel

Author(s): EJ Sommer, GR Kenny, JA Kearley, CE Roos

Annual Conference: 1988, Vol. 1

Paper ID: 88-21.2

The Use of Calcium Hydroxide as a Binder in Densified Refuse Derived Fuel (dRDF) for Reducing Organic Emissions Initial Results from 600 Ton Combustion Study

Author(s): P Moore, M Poslusny, KE Daugherty, BJ Venables,

OO Ohlsson

Annual Conference: 1988, Vol. 1

Paper ID: 88-21.4

Direct Injection High Temperature Acid Gas Control to Prevent the Formation of Dioxins and Furans in Waste Combustion Systems

Author(s): M Dvirka, GJ Psihos, JJ Cosulich

Annual Conference: 1988, Vol. 1

Paper ID: 88-21.6

Variability of NO x Emissions from Modern Mass-Fired Resource Recovery Facilities

Author(s): JL Hahn, DS Sofaer Annual Conference: 1988, Vol. 1

Paper ID: 88-21.7

Operating Principles and Environmental Performance of Fluid Bed Energy Recovery Facilities

Author(s): DH Minott

Annual Conference: 1988, Vol. 1

Paper ID: 88-21.9

Session Number 220P Communicating Environmental Risks in the Community

Author(s):

Annual Conference: 1988, Vol. 8

Paper ID: 88-220P

Mixed Waste Regulation: Current Status of Issues Affecting Mixed Waste Generators and Processors

Author(s): M Axelrad, DK Silverman Annual Conference: 1988, Vol. 2

Paper ID: 88-23.1

New York's Development of Low-Level Radioactive Waste Disposal Capability

Author(s): AF Orazio, JD Dunkleberger

Annual Conference: 1988, $Vol.\ 2$

Paper ID: 88-23.10

Role of Climate Change Predictions in Siting a High-Level Radioactive Waste Repository

Author(s): PM Fransioli

Annual Conference: 1988, Vol. 2

Paper ID: 88-23.11

Disposal Implications for Mixed Waste Management

Author(s): EL Reed

Annual Conference: 1988, Vol. 2

Paper ID: 88-23.2

Mixed Waste Treatment at the Idaho National Engineering Laboratory

Author(s): MM Larsen, LF Hunt, DJ Sanow

Annual Conference: 1988, Vol. 2

Paper ID: 88-23.9

Bay County, Florida Waste-To-Energy Facility Emission Tests

Author(s): DS Beachler, DM Pompelia, J Weldon

Annual Conference: 1988, Vol. 2

Paper ID: 88-24.1

New Jersey's Effective Regulation of Resource Recovery Facilities

Author(s): DA Deiso, MD Gengos, W O'Sullivan

Annual Conference: 1988, Vol. 2

Paper ID: 88-24.2

The Lawyer's Role in Resource Recovery Permitting

Author(s): MA Chertok

Annual Conference: 1988, Vol. 2

Paper ID: 88-24.4

Experimental Methods to Evaluate the Performance of Combustors and Pollution Control Systems at Resource Recovery Facilities

Author(s): G Miller, B Rugg, W Ziegler

Annual Conference: 1988, Vol. 2

Paper ID: 88-24.5

Results of Emissions and Ash Testing at the Maine Energy Recovery Company Waste-To-Energy Plant

Author(s): FA Ferraro, RJ Parenteau Annual Conference: 1988, Vol. 2

Paper ID: 88-24.7

Overview of Air Quality Testing Programs at the Commerce Refuse-To-Energy Facility

Author(s): FR Caponi, CW Carry Annual Conference: 1988, Vol. 2

Paper ID: 88-24.8

New York Department of Environmental Conservation Ash Residue Characterization Project

Author(s): JC Schmitt

Annual Conference: 1988, Vol. 2

Paper ID: 88-26.1

Heavy Metal Immobilization During the Codisposal of Municipal Solid Waste Bottom Ash and Wastewater Sludges

Author(s): TT Eighmy, MA Guay, S McHugh, NE Kinner, TP

Ballestero

Annual Conference: 1988, Vol. 2

Paper ID: 88-26.10

Physical and Chemical Interactions of Stabilized Incineration Residue with the Marine Environment

Author(s): VT Breslin, FJ Roethel, VP Schaeperkoetter

Annual Conference: 1988, Vol. 2

Paper ID: 88-26.11

Today's Challenge in MSW Incineration--The Management of Incinerator Ash

Author(s): WG Vaux

Annual Conference: 1988, Vol. 2

Paper ID: 88-26.12

Characterization of Toxicity of Fly Ash from the Combustion of Refuse Derived Fuel

Author(s): B Venables, KE Daugherty, O Ohlsson

Annual Conference: 1988, Vol. 2

Paper ID: 88-26.13

Utilization of Ash Products from Combustion of Shredded Solid Waste

Author(s): PF Mahoney, JF Mullen Annual Conference: 1988, Vol. 2

Paper ID: 88-26.14

MSW Incinerator Flue Gas Cleaning Waste Solidification Studies

Author(s): JR Donnelly, E Jons Annual Conference: 1988, Vol. 2

Paper ID: 88-26.3

Waste To-Energy Ash: Hazardous or Non-Hazardous Waste?

Author(s): M Goldman

Annual Conference: 1988, Vol. 2

Paper ID: 88-26.4

Fundamental Objectives of Municipal Solid Waste Incinerator Ash Management

Author(s): RA Denison

Annual Conference: 1988, Vol. 2

Paper ID: 88-26.6

Fugitive Particulate Emission Estimates for Incinerator Ash Handling

Author(s): RC Wells, RJ Machaver, WR Allen

Annual Conference: 1988, Vol. 2

Paper ID: 88-26.7

Incinerator Ash-Some Things I Would Like to Know About and Why

Author(s): WM Shaub

Annual Conference: 1988, Vol. 2

Paper ID: 88-26.8

Properties of Solid Waste from Coolside SO2 Abatement Process

Author(s): MM Wu, RA Winschel Annual Conference: 1988, Vol. 2

Paper ID: 88-28.1

Recycle of Modified Fly Ash From Furnace Sorbent Injection

Author(s): N Kresovich, RD Stern, EA Stokes, CC Clark, RS

Dahlin

Annual Conference: 1988, Vol. 2

Paper ID: 88-28.2

The Nature of Wastes Arising from Coal-Fired Boilers Fitted for Advanced SO Removal

Author(s): G Dawson, G Eklund, G Gumtz, D Golden

Annual Conference: 1988, Vol. 2

Paper ID: 88-28.3

Compatibility of Admix and Synthetic Liner Materials with Flute Gas Scrubbing Wastes

Author(s): SS Koegler

Annual Conference: 1988, Vol. 2

Paper ID: 88-28.4

Effects of Process Variables on Atmospheric Fluidized Bed Combustion Solid Waste Characteristics

Author(s): AG Eklund, DA Orr, E Petrill Annual Conference: 1988, Vol. 2

Paper ID: 88-28.5

Recycle/Reuse of Boiler Chemical Cleaning Wastes in Wet Limestone Flue Gas Desulfurization (FGD) System

Author(s): M Stohs, DR Owens, W Micheletti

Annual Conference: 1988, Vol. 2

Paper ID: 88-29.1

Solid Waste Disposal Test Program for a Coal-Fired Power Plant

Author(s): C Behr, L Holcombe, A Mann, J Worley

Annual Conference: 1988, Vol. 2

Paper ID: 88-29.2

Developing a Corporate Tanks Management Program

Author(s): AD Young

Annual Conference: 1988, Vol. 1

Paper ID: 88-3.1

Controlling Environmental Impairment from an Insurance Perspective: Risk Management for Underground Storage

Author(s): WP Gulledge Annual Conference: 1988, Vol. 1

Paper ID: 88-3.2

Gas Phase Sampling Techniques and Procedures Used to Assess an Underground Liquid Hydrocarbon Plume on Ground Water

Author(s): CE Schmidt, R Vandervort Annual Conference: 1988, Vol. 1

Paper ID: 88-3.4

Corrective Action Process for Petroleum USTs an EPA Regional Perspective

Author(s): W Naylor, J Hwang, J Burke Annual Conference: 1988, Vol. 1

Paper ID: 88-3.6

Cleanup of Soils Contaminated with Hydrocarbons at a Gasoline Service Station

Author(s): JJ Malot

Annual Conference: 1988, Vol. 1

Paper ID: 88-3.7

A Paradox of Prosperity

Author(s): JA Kent, CH Smith, C Hunka

Annual Conference: 1988, Vol. 2

Paper ID: 88-30.1

Development of a Stabilization and Containment Facility in Minnesota

Author(s): D Reinke

Annual Conference: 1988, Vol. 2

Paper ID: 88-30.2

Massachusetts Experience Lessons Learned

Author(s): JM Gardner

Annual Conference: 1988, Vol. 2

Paper ID: 88-30.4

Indiana's Sitting of New Hazardous Waste Management Facilities

Author(s): JR Hayworth

Annual Conference: 1988, Vol. 2

Paper ID: 88-30.5

Sitting Incinerators Under Illinois' Local Veto Law

Author(s): GD Monti

Annual Conference: 1988, Vol. 2

Paper ID: 88-30.7

A Methodology for Sitting a New Facility in a Large Area

Author(s): JL Meling

Annual Conference: 1988, Vol. 2

Paper ID: 88-30.9

Siting a Residue Landfill in New Jersey

Author(s): PH Astor

Annual Conference: 1988, Vol. 2

Paper ID: 88-31.2

Uncertainty in Multipathway Health Risk Assessments

Author(s): PJ Grogan, DW Heinold, PD Anderson

Annual Conference: 1988, Vol. 2

Paper ID: 88-31.3

Public Participation in the Siting of Resource Recovery Facilities

Author(s): CS Konheim

Annual Conference: 1988, Vol. 2

Paper ID: 88-31.4

Obtaining Air Quality Permits for a Resource Recovery Facility: A Case Study in Warren County, New Jersey

Author(s): JR Martin

Annual Conference: 1988, Vol. 2

Paper ID: 88-31.5

Air Quality Issues in Selection of Dispersion Models for Siting and Permitting of Resource Recovery Facilities

Author(s): TR Hormel, PH Fontana Annual Conference: 1988, Vol. 2

Paper ID: 88-31.6

A Successful Siting Battle in Marion County Oregon

Author(s): RW Urmston

Annual Conference: 1988, Vol. 2

Paper ID: 88-31.8

Hazardous Waste: A Valuation Issue

Author(s): JK Elmer

Annual Conference: 1988, Vol. 2

Paper ID: 88-35.1

Case History: Conflict Between Hazardous Material Recycling and Regulation

Author(s): B Garelick

Annual Conference: 1988, Vol. 2

Paper ID: 88-35.2

Application of Economic Risk Assessment to Hazardous Waste Remediation Projects

Author(s): TR Ellis

Annual Conference: 1988, Vol. 2

Paper ID: 88-35.4

Environmental Considerations During the Decommissioning of Industrial Facilities

Author(s): RC Weber

Annual Conference: 1988, Vol. 2

Paper ID: 88-39.1

Environmental Assessments of Steel Plant Sites

Author(s): J Skubak, VJ Kelmeckis Annual Conference: 1988, Vol. 2

Paper ID: 88-39.2

Investigation, Remediation and Sale of Armco's Former Ambridge Seamless Steel Pipemaking Facility

Author(s): JA Grantz, LM Brausch Annual Conference: 1988, Vol. 2

Paper ID: 88-39.4

Steel Mill Closure

Author(s): JF Skelton

Annual Conference: 1988, Vol. 2

Paper ID: 88-39.5

Implications of the RCRA Continuing Releases/Corrective Action Program Regulations for the Iron and Steel Industry

Author(s): JA George, LA Szuhay Annual Conference: 1988, Vol. 2

Paper ID: 88-39.6

Novel Strategies in Heath and Safety Planning for

Hazardous Waste Operations

Author(s): DK Johnson, VL Smith Annual Conference: 1988, Vol. 1

Paper ID: 88-4.2

Emission Control at Hazardous Wastesites Using Stable, Non-Draining Aqueous Foams

Author(s): KA Olson

Annual Conference: 1988, Vol. 1

Paper ID: 88-4.3

Regulation of Natural Non-Asbestos Mineral Fibers the Stone Industry Point of View

Author(s): KF Bailey

Annual Conference: 1988, Vol. 2

Paper ID: 88-40.2

Reaction Products or Pseudoparticulate Issues in Testing Portland Cement Plant Emissions

Author(s): DY MacIver, MA Yannone, WA Klemm, LD

Adams

Annual Conference: 1988, Vol. 2

Paper ID: 88-40.5

The Health Effects of Methanol Vapor: The Health Effects Institute's Analysis

Author(s): PL Kinney, R Kavet Annual Conference: 1988, Vol. 2

Paper ID: 88-41.2

Effects of Emission Standards on Methanol Vehicle Related Ozone, Formaldehyde and Methanol Exposure

Author(s): MD Gold, CE Moulis Annual Conference: 1988, Vol. 2

Paper ID: 88-41.4

Corrosion Damage Due to Acid Deposition in Southern California

Author(s): F Mansfeld, R Vijayakuman Annual Conference: 1988, Vol. 2

Paper ID: 88-43.2

California's Program to Assist Economic Impact of Acidic Deposition on Materials

Author(s): M Ahuja, P Amar Annual Conference: 1988, Vol. 2

Paper ID: 88-43.3

Wintertime Source-Reconciliation of Ambient Organics

Author(s): P Aronian, PA Scheff, RA Wadden

Annual Conference: 1988, Vol. 2

Paper ID: 88-44.4

NO and N2 O5 Reactions with Organics

Author(s): LGAnderson, MA Hailu, RW Chapman, JS Nelson

Annual Conference: 1988, Vol. 2

Paper ID: 88-44.5

National and Regional Trends in Ambient Ozone Measurements, 1977-1986

Author(s): WF Hunt, TC Curran, WP Freas

Annual Conference: 1988, Vol. 2

Paper ID: 88-45.1

Trends in Ambient Ozone Concentrations in Canada-1979-1986

Author(s): TF Dann

Annual Conference: 1988, Vol. 2

Paper ID: 88-45.2

A Regional Perspective on Ozone Trends from the New York Metropolitan Area

Author(s): G Allande, DB DiMarcello, RK Kapinchak

Annual Conference: 1988, Vol. 2

Paper ID: 88-45.3

Ozone Air Quality: How Does Chicago Rate?

Author(s): DJ Kolaz, RL Swinford Annual Conference: 1988, Vol. 2

Paper ID: 88-45.4

Recent Ozone Trends in Dallas and an Evaluation of Possible Causative Factors

Author(s): JW Yarbough Annual Conference: 1988, Vol. 2

Paper ID: 88-45.6

Statewide Ozone Trend--Texas

Author(s): MW Hemphill, JP Gise, BA Broberg, TW Sager

Annual Conference: 1988, Vol. 2

Paper ID: 88-45.7

Toxic Gas Monitor for Accidental Releases and Process Emissions

Author(s): B Ginnity

Annual Conference: 1988, Vol. 2

Paper ID: 88-46.1

Plantwide Remote Detection of Chemical Emissions-One Company's Perspective

Author(s): GL Baker, DI McCready Annual Conference: 1988, Vol. 2

Paper ID: 88-46.2

Effects of Highway Noise Barriers on Carbon Monoxide Levels

Author(s): SP Carpenter, MJ Barboza Annual Conference: 1988, Vol. 2

Paper ID: 88-47.1

Community Noise: The Consultant's Role

Author(s): MJ Barboza, M Pirnie, JR Guerriero

Annual Conference: 1988, Vol. 2

Paper ID: 88-47.2

Modeling Toll Booth Noise

Author(s): RD Moe

Annual Conference: 1988, Vol. 2

Paper ID: 88-47.3

The Public Health Effects of Community Noise

Author(s): CS Pennenga, RM Manganelli

Annual Conference: 1988, Vol. 2

Paper ID: 88-47.4

A Procedure for Addressing Overwhelming Transport in Urbanscale Model Applications for Ozone

Author(s): K Baugues, EL Meyer Annual Conference: 1988, Vol. 3

Paper ID: 88-48.1

The Effect of Differences in Manual and Automated Mixing Height Estimates on EKMA Modeling Results

Author(s): DL Harper, CJ Durrenberger, RC Schroeder

Annual Conference: 1988, Vol. 3

Paper ID: 88-48.2

Spatial Variation of Relative Effectiveness of VOC Emissions Contributing to Ozone Concentrations in the South Coast Air Basin

Author(s): CS Liu, MA Yocke, LL Mohoney

Annual Conference: 1988, Vol. 3

Paper ID: 88-48.3

Regional Source Receptor Relationships for Transported Ozone in the Eastern United States: New Techniques from Data Analysis and Simplified NOx Modeling

Author(s): BL Niemann

Annual Conference: 1988, Vol. 3

Paper ID: 88-48.4

Importance of Boundary Layer Measurements for Urban Airshed Modeling

Author(s): TW Tesche, D McNally, JG Wilkinson

Annual Conference: 1988, Vol. 3

Paper ID: 88-48.5

Role of Windfield Estimation in Airshed Modeling for Ozone Non-Attainment Planning

Author(s): TW Tesche, JG Wilkinson, DE McNally

Annual Conference: 1988, Vol. 3

Paper ID: 88-48.6

A Sensitivity Study for EKMA

Author(s): CJ Durrenberger Annual Conference: 1988, Vol. 3

Paper ID: 88-48.9

A New Approach to Air Quality Modeling--Hybrid Models

Author(s): JA Taylor, AJ Jakeman Annual Conference: 1988, Vol. 3

Paper ID: 88-49.10

Simple Diffusion Models for Short-Term Releases

Author(s): TJ Overcamp

Annual Conference: 1988, Vol. 3

Paper ID: 88-49.2

Transport and Dispersion in Complex Terrain as Depicted by Winter Tracer Programs

Author(s): DA Griffith, HR Swart, GW Wilkerson

Annual Conference: 1988, Vol. 3

Paper ID: 88-49.3

An SF6 Tracer Study for Validation of a Terrain Responsive Atmospheric Code

Author(s): K Brown, G Wilkerson, R Porter, G Langer, R

Hodgin

Annual Conference: 1988, Vol. 3

Paper ID: 88-49.4

Evaluation of Screening and Refined Complex Terrain Models at Five Sites

Author(s): RJ Paine, BA Egan Annual Conference: 1988, Vol. 3

Paper ID: 88-49.5

Terrain Wake Effects on Dispersion Coefficients and Ground-Level Concentrations

Author(s): RL Petersen, MA Radcliff Annual Conference: 1988, Vol. 3

Paper ID: 88-49.6

Modeling the Dispersion of Vehicle-Emitted Pollutants

Author(s): IS McCrae, RS Hamilton, DM Revitt, DO Harrop

Annual Conference: 1988, Vol. 3

Paper ID: 88-49.8

Sensitivity of Ozipm4/CB4 To Variations in Carbon Monoxide Inputs

Author(s): K Baugues

Annual Conference: 1988, Vol. 3

Paper ID: 88-49.9

Wind Tunnel Modeling of Vehicle Emissions on Roadways as Line Sources

Author(s): MC Murphy, AE Davies Annual Conference: 1988, Vol. 3

Paper ID: 88-49-7

Development of Guidelines for Conducting Air Pathway Analyses for Superfund Applications-An Overview

Author(s): R Stoner, H Firstenberg, T Laccarino, R Jubach, A

Cimorelli, M Garrison

Annual Conference: 1988, Vol. 1

Paper ID: 88-5.1

Comparison of Air Toxics Measurements Methods Used at a Hazardous Waste Site

Author(s): DE Dumdei, R Henderson Annual Conference: 1988, Vol. 1

Paper ID: 88-5.2

Air Toxics Monitoring Program During Bioremediation of a Superfund Site

Author(s): BE Dumdei, R Henderson Annual Conference: 1988, Vol. 1

Paper ID: 88-5.3

Alert a Weather Monitoring Network for the Safety of the Public Near Hazardous Waste Sites

Author(s): TR Alena

Annual Conference: 1988, Vol. 1

Paper ID: 88-5.5

A Technical Approach for Designing Air Monitoring Programs for Site Mitigation

Author(s): CE Schmidt, R Lawson, S Quan

Annual Conference: 1988, Vol. 1

Paper ID: 88-5.8

A Study of Ozone Air Quality on the Western Shore of Lake Michigan

Author(s): RA Forbes, DA Lawler, S Long, M Reischel

Annual Conference: 1988, Vol. 3

Paper ID: 88-50.4

Meteorological Factors and the 1987 Ozone Season in New York City, New Jersey and Connecticut

Author(s): SM Sambol, G Allande, RK Kapichak, DB

DiMarcello, S Huber

Annual Conference: 1988, Vol. 3

Paper ID: 88-50.5

Trends in Ozone Concentrations in the Major Ozone Transport Areas: The Influence of Precursor Emissions and Abnormal Meteorology

Author(s): BL Niemann

Annual Conference: 1988, Vol. 3

Paper ID: 88-50.7

Comparison of the 1983 and 1987 Ozone Data in Connecticut

Author(s): MA Atwater

Annual Conference: 1988, Vol. 3

Paper ID: 88-50.8

A Computerized Simulator for Hazardous Waste Incineration

Author(s): J Reynolds, L Theodore Annual Conference: 1988, Vol. 3

Paper ID: 88-51..3

A User Friendly Interface of the Air Emission Risk Assessment Model (AERAM)

Author(s): KB Gratt

Annual Conference: 1988, Vol. 3

Paper ID: 88-51.1

Expert Systems to Assist in Decisions Concerning Land Disposal of Hazardous Wastes

Author(s): DG Greathouse Annual Conference: 1988, Vol. 3

Paper ID: 88-51.10

An Expert System for Guiding the Development of Air Quality Impact Assessment

Author(s): NM Reiss, A Colecchia Annual Conference: 1988, Vol. 3

Paper ID: 88-51.11

Knowledge Engineering/Representation Strategies for Developing Expert Advisory Systems

Author(s): MJ Stunder

Annual Conference: 1988, Vol. 3

Paper ID: 88-51.12

Controlling Air Toxics: An Advisory System

Author(s): SL Nolen, T Micai, GS Shareef, MT Johnston

Annual Conference: 1988, Vol. 3

Paper ID: 88-51.14

Analysis of Meteorological Data Using Microcomputer Graphics

Author(s): D McCready

Annual Conference: 1988, Vol. 3

Paper ID: 88-51.5

The Development of a Program to Create Wind Roses Using HPGL and Basic

Author(s): RA Karpovich

Annual Conference: 1988, Vol. 3

Paper ID: 88-51.6

Design and Implementation of the Winter Haze Intensive Tracer Experiment-Whitex

Author(s): WC Malm, HK Iver, M Pitchford

Annual Conference: 1988, Vol. 3

Paper ID: 88-52.1

Optical Characteristics of Aerosols at Three National Parks

Author(s): WC Malm, KA Gebhard Annual Conference: 1988, Vol. 3

Paper ID: 88-52.2

Injection of Deuterated Methane into the Stack of a Coal-Fired Power Plant to Trace Stack Emissions

Author(s): EJ Mroz, M Alei Annual Conference: 1988, Vol. 3

Paper ID: 88-52.3

Examination of the Relationship Between Navajo Generating Station Emissions and Aerosol Concentrations at Page, Arizona

Author(s): HK Iyer, WC Malm Annual Conference: 1988, Vol. 3

Paper ID: 88-52.4

Comparison of Whitex Field Study with Model Results

Author(s): RA Stocker, RA Pielke Annual Conference: 1988, Vol. 3

Paper ID: 88-52.5

Application of Dispersion Models for Layered Haze Source Apportionment

Author(s): DA Latimer

Annual Conference: 1988, Vol. 3

Paper ID: 88-52.6

Evaluation of Canister Collection for Low-Level Source Emissions of Toxic Volatile Organic Air Pollutants

Author(s): AR Gholson, JF Storm, RKM Jayanty, RG Fuerst,

TJ Logan, MR Midgett

Annual Conference: 1988, Vol. 3

Paper ID: 88-52.8

Diffusion Denuders for the Identification of Artifacts in the Sampling of Semi-Volatile Particulate Organic Compounds

Author(s): N Aghdale, S Sutton, LD Hansen, DJ Eatough, EA

Lewis, RJ Farber

Annual Conference: 1988, Vol. 3

Paper ID: 88-53.3

Non-Destructive Light Element Analysis by Forward Ion Scattering Techniques

Author(s): BH Kusko, TA Cahill, RA Eldred

Annual Conference: 1988, Vol. 3

Paper ID: 88-53.4

Fine Particle Measurements with a Size Classifying Isokinetic Dequential Aerosol Filter Sampler

Author(s): CF Rogers, JG Watson, J Zwicker

Annual Conference: 1988, Vol. 3

Paper ID: 88-53.5

The Relative Accuracy of Transissimeter Derived Extinction Coefficients

Author(s): WC Malm, E Law-Evans, HK Iyer

Annual Conference: 1988, Vol. 3

Paper ID: 88-53.8

Visibility and Particulate Size at the 1986 ''Carbon Shoot-Out'' and 1987- ''Whitex'' Programs

Author(s): TA Cahill, M Surovik, RA Eldred, PJ Feeney, N

Motallebi

Annual Conference: 1988, Vol. 3

Paper ID: 88-54.2

Statistical and Empirical Relationships Between Visibility and Particulates in the Southwestern United States

Author(s): LC Murray, RJ Farber Annual Conference: 1988, Vol. 3

Paper ID: 88-54.4

Improve--A New Remote Area Particulate Monitoring System for Visibility Studies

Author(s): RA Eldred, TA Cahill, M Pitchford, WC Malm

Annual Conference: 1988, Vol. 3

Paper ID: 88-54.5

Source Areas of Fine Sulfur in the Western United States as Investigated by Principal Component Analysis and Residence Time Analysis

Author(s): WC Malm, KA Gebhart, RC Henry

Annual Conference: 1988, Vol. 3

Paper ID: 88-54.5

Estimating the Fractional Contribution of Secondary Aerosols from Different Source Areas on a Regional Scale

Author(s): KA Gebhart, RA Ahlbrandt, WC Malm, HK Iver

Annual Conference: 1988, Vol. 3

Paper ID: 88-54.6

Status of EPA'S Visibility Regulatory Program Under Section 169A of the Clean Air Act

Author(s): TG Pace, DH Stonefield Annual Conference: 1988, Vol. 3

Paper ID: 88-55.1

The New EPA/NPS Plume Visibility Screening System

Author(s): DA Latimer

Annual Conference: 1988, Vol. 3

Paper ID: 88-55.2

Improved Methods for the Computer-Imaging of Haze Layers

Author(s): CE Johnson, WC Malm, JV Molenar, L Mauch, JR

Hein

Annual Conference: 1988, Vol. 3

Paper ID: 88-55.3

Semi-Empirical Analysis of the Potential Visibility Improvements from SO2 Emission Controls in the Eastern United States

Author(s): P Zannetti, I Tombach, S Cvencek

Annual Conference: 1988, Vol. 3

Paper ID: 88-56.11

Assessment of Household Values for Visual Range Improvements

Author(s): P Ruund, WE Balson Annual Conference: 1988, Vol. 3

Paper ID: 88-56.12

Decision Analysis of Visual Range Improvements Attributable to Sulfur Dioxide Emission Reductions in the Eastern United States

Author(s): WE Balson, JS Rice Annual Conference: 1988, Vol. 3

Paper ID: 88-56.13

Characterization of Visual Range Frequency Distributions

Author(s): RE Wyzga, WE Balson, JS Rice

Annual Conference: 1988, Vol. 3

Paper ID: 88-56.14

Visibility Benefits Associated with Acid Rain Controls

Author(s): DA Latimer

Annual Conference: 1988, Vol. 3

Paper ID: 88-56.15

Human Detection of Layered Haze Using Natural Scene Slides with a Signal Detection Paradigm

Author(s): DM Ross, WC Malm, HK Iyer, RJ Loomis

Annual Conference: 1988, Vol. 3

Paper ID: 88-56.5

Plume Perceptibility Thresholds

Author(s): DA Latimer

Annual Conference: 1988, Vol. 3

Paper ID: 88-56.6

Aspects of Haze in Houston

Author(s): DE Evans, RG McMullen Annual Conference: 1988, Vol. 3

Paper ID: 88-57.1

The Dallas Winter Visibility Study

Author(s): W Einfeld, S Dattner, J Yarbough, RJ Tropp

Annual Conference: 1988, Vol. 3

Paper ID: 88-57.2

Measurement of the Chemical Species That Contribute to Urban Haze

Author(s): RK Stevens, F King, J Bell, J Whitfield

Annual Conference: 1988, Vol. 3

Paper ID: 88-57.3

Protecting Visual Air Quality are Light-Scattering Budgets Precise Enough?

Author(s): CS Sloane, JP Ortmann Annual Conference: 1988, Vol. 3

Paper ID: 88-57.5

Light Scattering By Haze and Dust at Spirit Mountain, Nevada

Author(s): WH White, ES Macias Annual Conference: 1988, Vol. 3

Paper ID: 88-57.6

Structural Regression in the Presence of Multiplicative Measurement Errors

Author(s): RA Ahlbrandt, MK Iyer Annual Conference: 1988, Vol. 3

Paper ID: 88-57.7

Characterization of Visibility Trends in Ten U.S. Cities

Author(s): LR Chinkin, AK Pollack, BS Austin

Annual Conference: 1988, Vol. 3

Paper ID: 88-57.8

Major Sources of Air Pollution in Riyadh, Saudi Arabia

Author(s): IS Al-Mutaz

Annual Conference: 1988, Vol. 4

Paper ID: 88-58.1

The Meteorological Conditions of the Neutral Class Determined by the Atmospheric Stability Classification Methods for Urban Areas

Author(s): WM Lee, YL Lo Annual Conference: 1988, Vol. 4

Paper ID: 88-58.12

On the Air Pollution in the Building Material Industry (Case Study)

Author(s): GS Rusu, ZV Suciu Annual Conference: 1988, Vol. 3

Paper ID: 88-58.13

Mexico City Aerosol Study: Total Extractable Particulate Organic Matter

Author(s): YI Falcon, CR Ramirez Annual Conference: 1988, Vol. 4

Paper ID: 88-58.3

High Opacity White Plumes from Coal-Fired and Oil-Fired Sources

Author(s): KT Lee

Annual Conference: 1988, Vol. 4

Paper ID: 88-58.4

A Contribution to the Solution of Dedusting the Coal Storage Bins

Author(s): D Jankovich, D Guzihajan, B Grbovich, L Radosh

Annual Conference: 1988, Vol. 4

Paper ID: 88-58.5

Representativeness of Ambient Air Quality Monitoring Station in Urban Area

Author(s): JH Tsai, FT Jenq Annual Conference: 1988, Vol. 4

Paper ID: 88-58.6

Pollution Dispersion and Plant Responses to Pulp and Paper Mill Emissions in India

Author(s): R Thakre, AL Aggarwal Annual Conference: 1988, Vol. 4

Paper ID: 88-58.8

The Deposition of Toxic Species in Ontario

Author(s): NW Reid, AJS Tang, DB Orr, P Steer

Annual Conference: 1988, Vol. 3

Paper ID: 88-62.4

Wet Deposition of Trace Metals and Organics in Urban Areas of Central and East Texas and Southern California

Author(s): HM Liljestrand, RA Lopez, JK Koo

Annual Conference: 1988, Vol. 3

Paper ID: 88-62.5

An Interpretation of within Storm Variations of Precipitation Chemistry at Sites in Central and East Texas

Author(s): TJ Prince, HM Lijestrand Annual Conference: 1988, Vol. 3

Paper ID: 88-62.6

Deposition Rate Calculations for Air Toxics Risk

Assessments in California

Author(s): BE Croes

Annual Conference: 1988, Vol. 3

Paper ID: 88-62.8

Fine Particulate Receptor Modeling in Las Vegas Using Combined Gaseous and Particulate Source Profiles

Author(s): R Benedict, M Naylor Annual Conference: 1988, Vol. 3

Paper ID: 88-63.1

Seasonally Resolved Particulate Pollution Sources in Metropolitan Boston

Author(s): S Santanam, JD Spengler, GJ Keeler

Annual Conference: 1988, Vol. 3

Paper ID: 88-63.6

The Use of Constrained Least-Squares to Solve the Chemical Mass Balance Problem

Author(s): D Wang, PK Hopke Annual Conference: 1988, Vol. 3

Paper ID: 88-64.2

Theoretical Development of a Chemical Mass Balance (CMB) Model with Fractionation

Author(s): MA Stafford, HM Liljestrand

Annual Conference: 1988, Vol. 3

Paper ID: 88-64.4

Least Cost Model for Estimating Costs of Compliance for Alternative NAAOS For Ozone

Author(s): WH Battye, MG Smith, MW Deese, AS Werner, T

McCurdy

Annual Conference: 1988, Vol. 3

Paper ID: 88-65.1

Cost Effectiveness of Ozone Controls in Baltimore

Author(s): JH Wilson, DA Istvan, EJ Laich, EC Durman

Annual Conference: 1988, Vol. 3

Paper ID: 88-65.5

Practical Considerations for the Selection of Pollution Control Equipment for VOC Emissions

Author(s): J Rinko, M Traister Annual Conference: 1988, Vol. 3

Paper ID: 88-65.6

Temporal and Spatial Control of Ambient Ozone

Author(s): AH Krupnich

Annual Conference: 1988, Vol. 3

Paper ID: 88-65.8

Non-Traditional Uses of the Airshed Model in Quantifying the Expected Benefits of Urban Emissions Control Strategies

Author(s): TW Tesche

Annual Conference: 1988, Vol. 3

Paper ID: 88-65.9

The Importance of Emissions Data in Post 1987 Ozone and Carbon Monoxide State Implementation Plans

Author(s): RH Vogel

Annual Conference: 1988, Vol. 4

Paper ID: 88-66.1

New Estimates of NOx from Aircraft: 1975-2025

Author(s): M Kavanaugh Annual Conference: 1988, Vol. 4

Paper ID: 88-66.10

New Developments in the Complication of Volatile Organic Compound Emission Inventories for Post-1987 Ozone State Implementation Plans

Author(s): DC Minsenheimer Annual Conference: 1988, Vol. 4

Paper ID: 88-66.2

Trends Analysis of Ozone Precursor Emission Estimates for Dallas, El Paso, Harris and Tarrant Counties, Texas-1977 Through 1988

Author(s): RA RehM, re Caldwell, BA Broberg

Annual Conference: 1988, Vol. 4

Paper ID: 88-66.3

NOx and Voc Emission Estimates Derived from Ambient

Author(s): JB Lee, H Westberg, B Lamb Annual Conference: 1988, Vol. 4

Paper ID: 88-66.5

Development of Species Profiles and Emission Factors for 20 Consumer and Commercial Product

Author(s): MB Rogozen, RJ Baca, WH Lamason

Annual Conference: 1988, Vol. 4

Paper ID: 88-66.7

Development of a 1985 Emission Inventory for Charlotte, NC

Author(s): GT Reed, KCC Gschwandtner, DR Willard

Annual Conference: 1988, Vol. 4

Paper ID: 88-66.8

On the Reliability of NMOC Measurements for Ozone Modeling

Author(s): AD Vaquiax, TW Sager, MW Hemphill

Annual Conference: 1988, Vol. 4

Paper ID: 88-66.9

Development of Post-87 Ozone Control Programs: Learning from Past Experiences

Author(s): P Hess, E Miller Annual Conference: 1988, Vol. 4

Paper ID: 88-67.1

New York State Ract Compliance and Enforcement Strategies

Author(s): RK Warland, KF Dalton, S Lieblich

Annual Conference: 1988, Vol. 4

Paper ID: 88-67.2

Combined HC and NOx Reduction Strategy for Ozone Control

Author(s): HG Rao

Annual Conference: 1988, Vol. 4

Paper ID: 88-67.4

Legislative Responses to Ozone Nonattainment

Author(s): RM Friedman, JB Milford, RD Rapoport, NB

Szabo

Annual Conference: 1988, Vol. 4

Paper ID: 88-67.5

Characterizing Ambient Ozone Exposure Regimes in Agricultural Areas

Author(s): AS Lefohn, PM Irving Annual Conference: 1988, Vol. 4

Paper ID: 88-69.1

EDU: A Research Tool for Assessment of the Effects of Ozone on Vegetation

Author(s): WJ Manning

Annual Conference: 1988, Vol. 4

Paper ID: 88-69.2

Assessing the Impact of Ambient Ozone on Field-Grown Potato and Soybean Crops in New Jersey Using the EDU Method

Author(s): BB Clarke, G Smith, BG Weidman, E Brennan

Annual Conference: 1988, Vol. 4

Paper ID: 88-69.3

Crop Response to Pollutant Exposure-The 'ZAPS'' Approach FALSE

Author(s): VC Runeckles, EF Wright Annual Conference: 1988, Vol. 4

Paper ID: 88-69.4

Assessment of Effects of Ozone Exposures and Rainfall Amounts on Crop Yield in the Tennessee Valley

Author(s): PF Brewer, WJ Parkhurst Annual Conference: 1988, Vol. 4

Paper ID: 88-69.5

Summary of Results of EPA Site Demonstrations

Author(s): AC James

Annual Conference: 1988, Vol. 1

Paper ID: 88-6A.1

Freeze Crystallization as a Hazardous Waste Treatment Technology

Author(s): TS Barron, JA Heist Annual Conference: 1988, Vol. 1

Paper ID: 88-6A.2

The Treatment of Organic Bearing Wastewater in the Chemical Industry Using Critical Fluid Extraction

Author(s): WE McGovern Annual Conference: 1988, Vol. 1

Paper ID: 88-6A.5

Evaluation of the Use of Solar Irradiation for the Decontamination of Soil Residues

Author(s): RM Hoff, RR Dupont, WM Moore, JE McLean

Annual Conference: 1988, Vol. 1

Paper ID: 88-6A.6

Aquatech Membrane Technology for Regeneration of Hazardous Waste/Acid Effluent Streams

Author(s): KN Mani

Annual Conference: 1988, Vol. 1

Paper ID: 88-6A.7

Treatment Technology Evaluation of Aqueous Metal/Cyanide Bearing Hazardous Wastes (F007)

Author(s): DW Grosse, SQ Hassan, MP Vitello, MK

Koczwara

Annual Conference: 1988, Vol. 1

Paper ID: 88-6B.1

Bioremediation of Hazardous Waste Sites in the USA: Case Histories

Author(s): D Ross, JF Stroo, AW Bourquin, DJ Sikes

Annual Conference: 1988, Vol. 1

Paper ID: 88-6B.2

Problems in and Potential for Biological Treatment of Hazardous Wastes

Author(s): JW Blackburn Annual Conference: 1988, Vol. 1

Paper ID: 88-6B.3

Results of Evaluations of Contaminated Soil Treatment Methods in Conjunction with the Cerlcla BDAT Program

 ${\sf Author}({\sf s}){:}\ P\ Esposito,\ J\ Hessling,\ BB\ Locke,\ M\ Taylor,\ M$

Szabo, R Thurnau, C Rogers, R Traver, E Barth Annual Conference: 1988, Vol. 1

Paper ID: 88-6B.5

The B.E.S.T. Process an Innovative and Demonstrated Process for Treating Hazardous Sludges and Contaminated Soils

Author(s): DA Austin

Annual Conference: 1988, Vol. 1

Paper ID: 88-6B.7

Soil Vapor Extraction at a Superfund Site

Author(s): JP Danko

Annual Conference: 1988, Vol. 1

Paper ID: 88-7.1

Biological Remediation of Underground Storage Facilities

Author(s): JD Bogart, JR League Annual Conference: 1988, Vol. 1

Paper ID: 88-7.2

Dioxin Dechlorination at the Western Processing Superfund Site

Author(s): RT Cartwright Annual Conference: 1988, Vol. 1

Paper ID: 88-7.4

Response of Eastern Hardwood Species to Ozone Sulfur Dioxide and Acid Precipitation

Author(s): KF Jensen, LS Dochinger Annual Conference: 1988, Vol. 4

Paper ID: 88-70.3

Ozone Injury and Needle Blight of Eastern White Pine

Author(s): SN Linzon

Annual Conference: 1988, Vol. 4

Paper ID: 88-70.4

Response of Loblolly Pine to Acidic Precipitation and Ozone

Author(s): LW Kress, HL Allen, JE Mudano, WW Heck

Annual Conference: 1988, Vol. 4

Paper ID: 88-70.5

Growth Trends in Oxidant Stressed Forests of the Sierra Nevada

Author(s): DJ Peterson, MJ Arbaugh Annual Conference: 1988, Vol. 4

Paper ID: 88-70.6

Southern Forest Atlas Project

Author(s): DH Marx

Annual Conference: 1988, Vol. 4

Paper ID: 88-70.7

PM-10 Source Identification and Measurement

Author(s):

Annual Conference: 1988, Vol. 4

Paper ID: 88-71A.1

PM10 Data Base Requirements and Availability

Author(s): JC Chow, JG Watson Annual Conference: 1988, Vol. 4

Paper ID: 88-71A.2

A Revised Materials Handling Predictive Emission Factor Equation

Author(s): GE Muleski, PJ Englehart Annual Conference: 1988, Vol. 4

Paper ID: 88-71B.1

PM Emission Measurement for Steel Slag Crushing

Author(s): FJ Pendleton, GE Muleski Annual Conference: 1988, Vol. 4

Paper ID: 88-71B.2

PM Emission Factors for Specialized Open Dust Sources

Author(s): C Cowherd, MA Grelinger Annual Conference: 1988, Vol. 4

Paper ID: 88-71B.3

Development of a PM10 Emission Factor from Unpaved Roads

 $\hbox{Author(s): AL Williams, GJ Stensland, DF Gatz, WR Barnard}\\$

Annual Conference: 1988, Vol. 4

Paper ID: 88-71B.4

Measurement of Particle Eddy Diffusion Coefficient with a Smooth Deposition Plate

Author(s): KE Noll, KY Fang Annual Conference: 1988, Vol. 4

Paper ID: 88-72.1

Automation of the Resistivity Measurement for Fly Ash

Author(s): SL Nolen, DE Elliott Annual Conference: 1988, Vol. 4

Paper ID: 88-72.2

Recent Advances in Techniques for Stack Sampling of Oiland Coal-Fired Power Plants

Author(s): M McDaniel, DJ Eatough, NL Eatough, S

Houtrouw, CD Hansen, RJ Farber Annual Conference: 1988, Vol. 4

Paper ID: 88-72.3

Particulate Sampling Methods Used at the University of Tennessee Space Institute's Coal Fired Magnetohydrodynamic (MHD) Facility

Author(s): JR Douglas

Annual Conference: 1988, Vol. 4

Paper ID: 88-72.4

Field Test Performance of a Continuous Beta Attenuation PM Monitor

Author(s): E Watson, T Yamaguchi Annual Conference: 1988, Vol. 4

Paper ID: 88-72.5

The Use of Gaussian Quadrature Formulas for the Optimal Design of Particle Control Equipment

Author(s): J Benitez

Annual Conference: 1988, Vol. 4

Paper ID: 88-72.6

A Physical Explanation of the Lognormality of Pollutant Concentrations

Author(s): WR Ott

Annual Conference: 1988, Vol. 4

Paper ID: 88-72.8

An Assessment of Botanical Air Purification as a Formaldehyde Mitigation Measure Under Dynamic Laboratory Chamber Conditions

Author(s): T Godiah, C Guindon Annual Conference: 1988, Vol. 4

Paper ID: 88-74.1

Measured Formaldehyde Levels and Ventilation Rates in Mobile Homes

Author(s): DA Figley, JT Makohon Annual Conference: 1988, Vol. 4

Paper ID: 88-74.2

Field Evaluation of an Ultra-Sensitive Formaldehyde Sampling/Analytical Device for Indoor Air Quality Monitoring

Author(s): R Colon, C Lisay, J Tremblay

Annual Conference: 1988, Vol. 4

Paper ID: 88-74.4

Stack Heights, Air Intake Locations and Indoor Air Quality

Author(s): RL Petersen

Annual Conference: 1988, Vol. 4

Paper ID: 88-75.4

A Critical Examination of Ducted Mechanical Ventilation in New Residential Housing in the Pacific Northwest

Author(s): GB Parker

Annual Conference: 1988, Vol. 4

Paper ID: 88-75.5

Modeling the Effect of Outdoor Particle Concentrations on Indoor Concentrations in a Heated Environment

Author(s): MD Pandian

Annual Conference: 1988, Vol. 4

Paper ID: 88-75.6

Radon Levels in New Jersey: Overview of Results of a Statewide Radon Survey

Author(s): MK Cahill, GP Nicholls, C Ranney, R Machever

Annual Conference: 1988, Vol. 4

Paper ID: 88-76.1

The Florida Statewide Environmental Radiation Study

Author(s): GD Nifong, NL Nagda Annual Conference: 1988, Vol. 4

Paper ID: 88-76.2

Aerosol and ETS Sampling in Public Facilities and Offices

Author(s): EA Miesner, SN Rudnich, FC Hu, JD Spengler, L

Preller, J Ozkaynak, W Nelson Annual Conference: 1988, Vol. 4

Paper ID: 88-76.4

Concentrations of Nicotine, RSP, CO and CO2 in Nonsmoking Office Areas Under Different Conditions of

Recirculation of Air from Smoking Designated Areas

Author(s): TD Sterling, B Muelller Annual Conference: 1988, Vol. 4

Paper ID: 88-76.5

A Laboratory for the Study of Environmental Tobacco Smoke Components

Author(s): EA Lewis, H Tang, JW Crawford, LD Hansen, DJ

Eatough

Annual Conference: 1988, Vol. 4

Paper ID: 88-76.8

Determination of Polychlorinated Dibenzo-P-Dioxins and Dibenzofurans and Associated Health Risks in Ambient Air in Ohio

Author(s): SA Edgerton, J, Czuczwa, JD Rench, DA Egan, RF

Hodanbsi, PJ Koval

Annual Conference: 1988, Vol. 5

Paper ID: 88-77.1

Standardization of Olfactometry in France

Author(s): ML Perrin, MF Thal, M Jezequel

Annual Conference: 1988, Vol. 5

Paper ID: 88-78.2

Proposal for a Unifying Scale to Express Olfactory Thresholds and Odor Levels: The "Decismel Scale"

Author(s): JE Amoore, RS O'Neill Annual Conference: 1988, Vol. 5

Paper ID: 88-78.5

Training Resources

Author(s): LH Stander, CD Pratt Annual Conference: 1988, Vol. 5

Paper ID: 88-79.1

Training Needs in Air Pollution Control & Hazardous Waste Management

Author(s): MT DeBusschere Annual Conference: 1988, Vol. 5

Paper ID: 88-79.3

Alternatives to Land Treatment of Refinery Sludges

Author(s): GB DeWolf, TP Nelson Annual Conference: 1988, Vol. 1

Paper ID: 88-8.10

Disposal of Municipal Landfill Gas Condensate

Author(s): JL Briggs, MW McLaughlin Annual Conference: 1988, Vol. 1

Paper ID: 88-8.2

Cadmium Inhibition of the Biological Removal of Mercury from Contaminated Waste

Author(s): GS Choudhury, CL Hansen Annual Conference: 1988, Vol. 1

Paper ID: 88-8.7

The Alberta Special Waste Treatment Centre its Development and Operation

Author(s): JS Richarson

Annual Conference: 1988, Vol. 1

Paper ID: 88-8.9

The Degussa Desonox Process for the Simultaneous Extraction of Nitrogen Oxides and Sulfur Dioxide or Alternatively Carbon Monoxide and Hydrocarbons for Flue Gases

Author(s): R Brand, BH Engler, PK Mollhoff, E Koberstein

Annual Conference: 1988, Vol. 5

Paper ID: 88-83.1

Ethylene Oxide Control Technology for Hospital Sterilizers

Author(s): AF Meiners, BI Nicholson

Annual Conference: 1988, Vol. 5

Paper ID: 88-83.10

Air Pollution Control--Ten Years Operation Experience with Commercial Catalyst Regeneration

Author(s): RM Heck, M Durilla, AG Bouney, JM Chen

Annual Conference: 1988, Vol. 5

Paper ID: 88-83.11

Operation Experience of Selective Catalytic NOx Removal Systems for Miscellaneous Flue Gas

Author(s): M Yamamura, K Suyama Annual Conference: 1988, Vol. 5

Paper ID: 88-83.2

Mordenite-Titania-Silica Honeycombs Catalyzed for DeNOx

Author(s): JL Williams, IM Lachman, TF Rosenbusch

Annual Conference: 1988, Vol. 5

Paper ID: 88-83.3

Catalyst Design for Emission Control of Carbon Monoxide and Hydrocarbons from Gas Engines

Author(s): ER Becker, M Kosanovich, GW Cordonna

Annual Conference: 1988, Vol. 5

Paper ID: 88-83.6

Poison-Resistant Catalyst for Purification of Web Offset Press Exhaust

Author(s): GR Lester, JC Summers Annual Conference: 1988, Vol. 5

Paper ID: 88-83.7

Reduction of Pharmaceutical Air Emissions by Catalytic Incineration

Author(s): CH Wayman, KS Miller Annual Conference: 1988, Vol. 5

Paper ID: 88-83.9

Operating Experience with Systems for Paint Spray Booth VOC Emission Control

Author(s): RE Kenson, JF Jackson Annual Conference: 1988, Vol. 5

Paper ID: 88-84.1

The Use of Activated Carbon for the Control of Volatilized Hazardous Organic Emissions from a Covered Activated Sludge Basin

Author(s): TC Keener, G Henderson, J Rickabaugh

Annual Conference: 1988, Vol. 5

Paper ID: 88-84.12

The Polyad FB Process for VOC Control and Solvent Recovery

Author(s): C Heinegard

Annual Conference: 1988, Vol. 5

Paper ID: 88-84.13

Controlling VOC Emissions from Large Paint Spray Booths

Author(s): RC Read, JA Nooks, TW McDaniel

Annual Conference: 1988, Vol. 5

Paper ID: 88-84.2

Spray Paint Booth VOC Control with a Regenerative Thermal Oxidizer

Author(s): JH Mueller

Annual Conference: 1988, Vol. 5

Paper ID: 88-84.3

Granular Activated Carbon-Thermal Regeneration Process for Control of VOC Emissions from Surface Coating Operations

Author(s): U SenGupta

Annual Conference: 1988, Vol. 5

Paper ID: 88-84.4

Basic Design Techniques for VOC Emission Control Systems and Equipment

Author(s): YH Kiang

Annual Conference: 1988, Vol. 5

Paper ID: 88-84.6

Development of Water-Borne and Low Solvent Coatings for the Softwood Furniture Industry for Voc Emissions Deduction

Author(s): R McClurg

Annual Conference: 1988, Vol. 5

Paper ID: 88-84.7

The Effect of Moisture on the Vapor Phase Adsorption of Toluene and Trichloroethylene

Author(s): KE Noll, D Wang, T Shen Annual Conference: 1988, Vol. 5

Paper ID: 88-84.9

Environmental Aspects of Advanced Energy Conversion Technologies

Author(s): RC Bedick, RA Hargis Annual Conference: 1988, Vol. 5

Paper ID: 88-85.2

Clean Power From Coal

Author(s): RS Currie, BK Springer Annual Conference: 1988, Vol. 5

Paper ID: 88-85.3

Coal Gasification Combined Cycle Environmentally Attractive Route for Power Generation

Author(s): JG Patel

Annual Conference: 1988, Vol. 5

Paper ID: 88-85.4

Commercialization of Clean Coal Technologies: Impediments and Incentives to Utility Involvement

Author(s): B Yamagata

Annual Conference: 1988, Vol. 5

Paper ID: 88-85.5

EPRI'S Clean Coal Technology Research

Author(s): SB Baruch

Annual Conference: 1988, Vol. 5

Paper ID: 88-85.6

Inland Steel's Limestone Injection Projects for Boiler Flue Gas Desulfurization

Author(s): RR Landreth

Annual Conference: 1988, Vol. 5

Paper ID: 88-86.1

Initial Test Results of the Limestone Injection Multistage Burner (Limb) Demonstration Project

Author(s): PS Nolan, RV Hendriks Annual Conference: 1988, Vol. 5

Paper ID: 88-86.11

Field Evaluation of Coal Fired Utility Boiler NOx and SOx Emissions Control by Gas Reburning-Sorbent Injection

Author(s): LP Nelson, W Bartok, BA Folsom, R Payne, D

Moyeda, G Farthing

Annual Conference: 1988, Vol. 5

Paper ID: 88-86.12

Coal Cleaning as an SO2 Emissions Control Option

Author(s): DJ Leadehham Annual Conference: 1988, Vol. 5

Paper ID: 88-86.13

The Hygroscopic Properties of Spray Dryer Sorbents with Select Additives

Author(s): CS Yuan, MJ Rood Annual Conference: 1988, Vol. 5

Paper ID: 88-86.14

Application of a Circulating Fluidized Bed Absorber for Retrofit Control of Sulfur Dioxide

Author(s): TC Keener, xl Jiang Annual Conference: 1988, Vol. 5

Paper ID: 88-86.2

In-Duct Humidification System Development for the Limb Demonstration Project

Author(s): GT Amrhein, PV Smith Annual Conference: 1988, Vol. 5

Paper ID: 88-86.5

Retrofit Applications for Control of SO2 and NOx

Author(s): IJS Sheppard, CJ Barnett Annual Conference: 1988, Vol. 5

Paper ID: 88-86.6

The Bechtel Confined Zone Dispersion Process for FGD Retrofit Situations-Proof of Concept Tests

Author(s): JT Newman, JZ Abrams, AD Benz, HW Pennline,

JH Tice

Annual Conference: 1988, Vol. 5

Paper ID: 88-86.7

Use of Seawater in Flue Gas Desulfurization: New Low-Cost FGD System for Special Applications

Author(s): JZ Abrams, SJ Zaczek, AD Benz, L Awerbuch, J

Haidinger

Annual Conference: 1988, Vol. 5

Paper ID: 88-86.9

Environmental Effects of Carbon Dioxide and Other Trace Gases

Author(s): RM Perhac

Annual Conference: 1988, Vol. 5

Paper ID: 88-87.1

Advanced Technologies for Reduced Co2 Emissions

Author(s): M Steinberg, HS Cheng Annual Conference: 1988, Vol. 5

Paper ID: 88-87.3

The Role of Atmospheric Chemistry in Climate Change

Author(s): DJ Wuebbles, KE Grant, PS Connell

Annual Conference: 1988, Vol. 5

Paper ID: 88-87.7

Techniques to Reduce the Emissions from Existing Woodburning Appliances

Author(s): ACS Hayden, RW Braaten Annual Conference: 1988, Vol. 5

Paper ID: 88-89.1

Woodsim-A Wood Combustion Venting Analysis Program

Author(s): JH White

Annual Conference: 1988, Vol. 5

Paper ID: 88-89.2

An In Situ Residential Performance Evaluation of Conventional and New Woodheat Technologies in Whitehorse, Yukon Territory

Author(s): CA Simons, PD Christiansen, LC Pritchett, V Enns,

ACS Hayden

Annual Conference: 1988, Vol. 5

Paper ID: 88-89.3

Impact of EPA Wood Stove Regulation on Air Quality

Author(s): J Shelton

Annual Conference: 1988, Vol. 5

Paper ID: 88-89.5

A Crossover Design Study to Evaluate the Effectiveness of Appliance Inspection and Servicing for Lowering Indoor Nitron Dioxide Concentrations

Author(s): SD Colome, IH Billick, PE Baker, SA Beals, SA

Rubio, SJ Cunningham, AL Wilson Annual Conference: 1988, Vol. 5

Paper ID: 88-90.2

Air Supply and Venting to Improve Performance of Residential Combustion Appliances

Author(s): ACS Hayden, F Preto Annual Conference: 1988, Vol. 5

Paper ID: 88-90.3

Safe Venting for Fossil Fuel Fired Equipment

Author(s): HR West, KD Bryant Annual Conference: 1988, Vol. 5

Paper ID: 88-90.4

Alternative Venting Methods for Residential Oil Heating Systems

Author(s): JE Batey, RJ McDonald, TA Butcher

Annual Conference: 1988, Vol. 5

Paper ID: 88-90.5

Fluesim-A Program for the Analysis of Combustion Venting

Author(s): JH White

Annual Conference: 1988, Vol. 5

Paper ID: 88-90.6

Production of Soot by Oil Fired Domestic Heat Equipment

Author(s): TA Butcher, J Wegrzyn Annual Conference: 1988, Vol. 5

Paper ID: 88-90.9

The Emergency Planning and Community Right-To-Know Act and the Aluminum Industry

Author(s): JH Goldman

Annual Conference: 1988, Vol. 5

Paper ID: 88-92.1

Optimizing and Controlling Baghouse Operations at BG&E C.P. Crane Station

Author(s): JE Sturtevant, GP Greiner Annual Conference: 1988, Vol. 5

Paper ID: 88-92.2

Ammonia Scrubbing at Cominco's Sulphur Gas Handling Plants in Trail, B.C.

Author(s): W Brandsema Annual Conference: 1988, Vol. 5

Paper ID: 88-92.4

Development of An Absorption Unit to Reduce Emissions from Aluminum Cold Rolling Operations

Author(s): MW Wei, TJ Rosare, RW Perryman

Annual Conference: 1988, Vol. 5

Paper ID: 88-92.5

The California Air Resources Board Indoor Air Quality and Personal Exposure Program

Author(s): PL Jenkins, TJ Phillips Annual Conference: 1988, Vol. 5

Paper ID: 88-94.1

Canada's Guidelines for Indoor Air Quality: Rationale and Scope

Author(s): VC Armstrong, ME Meek, DS Walkinshaw

Annual Conference: 1988, Vol. 5

Paper ID: 88-94.3

Standard Methods for Sampling and Analysis of Indoor Air: Astm Subcommittee D22.05 on Indoor Air

Author(s): H Levin

Annual Conference: 1988, Vol. 5

Paper ID: 88-94.5

A National Indoor Air Program: Opportunities for Research and Cooperation

Author(s): MA Berry

Annual Conference: 1988, Vol. 5

Paper ID: 88-94.7

National Ambient Volatile Organic Compounds (VOCs) Data Base Update

Author(s): JJ Shah, EK Heyerdahl Annual Conference: 1988, Vol. 5

Paper ID: 88-95A.1

Experiences in Gaseous Toxic Monitoring in the San Francisco Bay Area

Author(s): DA Levaggi, W Siu, RV Zerrudo, JW LaVoie

Annual Conference: 1988, Vol. 5

Paper ID: 88-95A.3

Modeling Volatile Organic Compound Levels Near Hazardous Waste Sites

Author(s): S Santanam, DG Smith Annual Conference: 1988, Vol. 5

Paper ID: 88-95A.4

Estimating VOC Emissions from Municipal Sewage Treatment Facilities

Author(s): R Harkov

Annual Conference: 1988, Vol. 5

Paper ID: 88-95A.5

Transport of Volatile Organic Compounds from Soil into a Residential Basement

Author(s): AT Hodgen, K Garbesi, RG Sextro, JM Daisey

Annual Conference: 1988, Vol. 5

Paper ID: 88-95B.1

Air Monitoring at the Kettleman Hill Facility

Author(s): DM Haigh

Annual Conference: 1988, Vol. 5

Paper ID: 88-95B.3

Controlling Air Emissions from Petrochemical Wastewater Treatment Facilities

Author(s): RL Berglund

Annual Conference: 1988, Vol. 5

Paper ID: 88-95B.5

Emissions of Trace Metals and Organic Compounds from Sewage Sludge Incineration

Author(s): RW Gerstle

Annual Conference: 1988, Vol. 5

Paper ID: 88-95B.6

Exposure to Hydrogen Sulfide in the Vicinity of Oil and Gas Wells

Author(s): DH Gebhart, SR Andersen Annual Conference: 1988, Vol. 5

Paper ID: 88-95B.7

AMBIENT H 2 S Monitoring in the Vicinity of Hawaii's First Geothermal Power Plant

Author(s): JW Morrow, DM Thomas, HD Burkard

Annual Conference: 1988, Vol. 5

Paper ID: 88-95B.8

Health Risks of Mobile Source Emissions in Mexico City

Author(s): H Llenderrozos, L Babcock Annual Conference: 1988, Vol. 7

Paper ID: 88-96.5

A Concept for Automotive Emission Control in Developing Countries

Author(s): A Szwarc, GM Branco Annual Conference: 1988, Vol. 7

Paper ID: 88-96.6

A Two-Stage Microenvironmental Model of Commuter Exposure to Vehicle Exhaust

Author(s): PG Flachsbart, CA Yo Annual Conference: 1988, Vol. 7

Paper ID: 88-96.7

EPA'S Mobil Emission Model Glimpses Through the Black Box

Author(s): M Keenan, E Davis Annual Conference: 1988, Vol. 7

Paper ID: 88-97.1

Effect of Purge Air Humidity on Automotive Evaporative Control Performance

Author(s): PA Gabele, N Perry Annual Conference: 1988, Vol. 7

Paper ID: 88-97.2

Potential Emission Reductions from Including Heavy-Duty Gasoline Powered Vehicles in Inspection and Maintenance Programs

Author(s): DA Wright, RF Klausmeier Annual Conference: 1988, Vol. 7

Paper ID: 88-97.3

Diagnosing and Repairing High Emitting Fuel-Injected Vehicles

Author(s): R Klausmeier, D Wright, C Beyer

Annual Conference: 1988, Vol. 7

Paper ID: 88-97.4

Diesel Particulate Control: Emerging Control Technologies to Address a Serious Pollution Problem

Author(s): BL Bertelsen

Annual Conference: 1988, Vol. 7

Paper ID: 88-97.5

Performance Evaluation of a Roadway Pollutant Dispersion Model and Its Application in an Evaluation of Vehicle Emission Control Measures

Author(s): L Mahoney, RG Ireson Annual Conference: 1988, Vol. 7

Paper ID: 88-97.6

Effect of Control Equipment and Operating Parameters on Municipal Solid Waste (MSW) Incinerator Trace Emissions

Author(s): PC Stebert, DR Alston, JF Walsh, KH Jones

Annual Conference: 1988, Vol. 7

Paper ID: 88-98.3

evaluation of air Pollution Control Equipment for Mass Burn Resource Recovery Facilities

Author(s): JZ Marcus, TR Brown, R Li Annual Conference: 1988, Vol. 7

Paper ID: 88-98.4

Joy/NIRO MSW Incinerator FGC Systems European Experience-An Update

Author(s): JR Donnelly, MT Quach, JT Moller

Annual Conference: 1988, Vol. 7

Paper ID: 88-98.5

Dry Effluent--Wet Scrubbing System for Waste Incinerators

Author(s): JD Brady

Annual Conference: 1988, Vol. 7

Paper ID: 88-98.6

Cold Weather Methanol Vehicle Demonstration Fleet at Argonne National Laboratory--Implications for Flexible Fuel an Dedicated Methanol Commercialization

Author(s): CL Saricks, RP Larsen Annual Conference: 1988, Vol. 7

Paper ID: 88-99.1

The Emission Characteristics of Methanol and Compressed Natural Gas in Light Vehicles

Author(s): JA Alson

Annual Conference: 1988, Vol. 7

Paper ID: 88-99.3

Alternative Fuels: Potential Benefits and Practical Considerations

Author(s): MD Wang

Annual Conference: 1988, Vol. 7

Paper ID: 88-99.4

The Identification of Sources of Total Suspended Particulate Matter by Computer Controlled Scanning Electron Microscopy and Receptor Modeling Techniques

Author(s): JH Lucas, GS Casuccio Annual Conference: 1987, Vol. 1

Paper ID: 87.12.6

The Development of Treatment Alternatives Through an Understanding of Waste Chemistry

Author(s): TF Stanczyk
Annual Conference: 1987, Vol. 1

Paper ID: 87.15.5

Carbonyl Formation from a Model Diesel Fuel

Author(s): DN Koert, RD Wilk, PA Partridge, NP Cernansky

Annual Conference: 1987, Vol. 1

Paper ID: 87-1.2

Exhaust Benzene Emissions from Three-Way Catalyst Equipped Light Duty Vehicles

Author(s): JM Lyons

Annual Conference: 1987, Vol. 1

Paper ID: 87-1.3

Measurement of PAH and Nitro-PAH From a Heavy Duty Diesel Engine

Author(s): SK Hoekman, MC Ingham Annual Conference: 1987, Vol. 1

Paper ID: 87-1.4

Relationships Among Time-Resolved Roadside Measurements of Benzene, Toluene, Xylenes and Carbons Monoxide

Author(s): SH Mo, RE Gibbs, BJ Hill, RE Johnson, WJ

Webster, RA Whitby

Annual Conference: 1987, Vol. 1

Paper ID: 87-1.6

The New York City Bus Terminal Diesel Emissions Study Measurement and Collection of Diesel Exhaust for Chemical Characterization and Mutagenic Activity

Author(s): RM Burton, JC Suggs, rh Jungers, J Lewtas

Annual Conference: 1987, Vol. 1

Paper ID: 87-1.7

Carcinogenic Risk Assessment in Proper Perspective

Author(s): AC Upton

Annual Conference: 1987, Vol. 6

Paper ID: 87-100.1

Health Assessment of Environmental Pollutants: Proliferative and Degenerative Diseases

Author(s): BO Stuart

Annual Conference: 1987, Vol. 6

Paper ID: 87-100.3

Applicability of Cancer Risk Assessment Techniques to Other Toxic Effects

Author(s): DW Gaylor

Annual Conference: 1987, Vol. 6

Paper ID: 87-100.5

Air Pollution from Residential Wood Burning: A Case Study in Olympia, Washington

Author(s): MAK Khalil, RA Rasmussen, JA Rau

Annual Conference: 1987, Vol. 6

Paper ID: 87-101.1

Validation of a Source Apportionment Model for Volatile Hydrocarbons

Author(s): PA Scheff, WJ O'Shea Annual Conference: 1987, Vol. 6

Paper ID: 87-101.2

Risk Assessment Methodologies for Resource Recovery Facilities

Author(s): JF Walsh, KH Jones, CJ Dobroski

Annual Conference: 1987, Vol. 6

Paper ID: 87-101.3

Requirements for Exposure Assessment, Modeling and Validation for Human Health Effects Studies

Author(s): JJ Quackenboss, MD Lebowitz

Annual Conference: 1987, Vol. 6

Paper ID: 87-101.4

The Effect of Sampling Duration on the Ability to Resolve Source Types Using Factor Analysis

Author(s): PJ Lioy, MP Zelenka, MD Cheng, WE Wilson

Annual Conference: 1987, Vol. 6

Paper ID: 87-101.5

Five Year Trends in Air Quality for a Large Costal Area of Dense Industrial Sources with a PSD Approved Network

Author(s): JC Carter, HW Balentine, B Carmine, J Kush

Annual Conference: 1987, Vol. 6

Paper ID: 87-101.8

A Chronological Analysis of an Actual Release of Toxic Chemicals Resulting in Evacuation of the Plant and a Nearby Community

Author(s): RL Young

Annual Conference: 1987, Vol. 7

Paper ID: 87-102.2

The Role of Emergency Response and Modeling Expectations, Methodologies and Realism

Author(s): WE Belanger, AJ Cimorelli Annual Conference: 1987, Vol. 7

Paper ID: 87-102.3

Risk Management and Emergency Preparedness

Author(s): GD Kaiser, TC McKelvey Annual Conference: 1987, Vol. 7

Paper ID: 87-102.5

Comparison of an Accidental Release Modeling Technique with Recent Spill Test Data

Author(s): ED Chikhliwala, M Oliver, AN Shinde

Annual Conference: 1987, Vol. 7

Paper ID: 87-102.6

Evaluation of the Degadis Dispersion Model Using Data from Field Releases of Pressurized Ammonia

Author(s): TO Spicer, JA Havens Annual Conference: 1987, Vol. 7

Paper ID: 87-102.8

Assessing Population Exposures and Risks from Releases of Toxic Chemicals in an Industrial Community

Author(s): H Ozkaynak, B Burbank, PB Ryan, JD Spengler,

DJ Fingleton

Annual Conference: 1987, Vol. 7

Paper ID: 87-103.1

Management of Chemical Facility in an Urban Setting

Author(s): RJ Edwards

Annual Conference: 1987, Vol. 7

Paper ID: 87-103.2

The Importance of Local Meteorological Phenomena in Accidental Release Assessments

Author(s): RJ Paine, DW Heinold Annual Conference: 1987, Vol. 7

Paper ID: 87-103.3

Planning for Compliance with Accidental Toxic Release Regulations

Author(s): CJ Keyworth

Annual Conference: 1987, Vol. 7

Paper ID: 87-103.6

Preliminary Results from a Rapid Deployment Field Study of Heavy Gas Detection and Dispersion Using a Whole-Air-Technique

Author(s): GA Marotz, DD Lane, RE Carter, R Tripp, J Helvig

Annual Conference: 1987, Vol. 7

Paper ID: 87-103.7

Assessing Frequency, Size and Duration of Toxic Vapor Releases

Author(s): RW Johnson

Annual Conference: 1987, Vol. 7

Paper ID: 87-103.9

A Local Carcinogenic Air Pollutant Regulatory Approach Based on Risk Assessment

Author(s): JE Grisinger, EDP Nelson, CS Liu

Annual Conference: 1987, Vol. 7

Paper ID: 87-104.1

Use of Bioassays in Monitoring Air Quality in Connecticut's Hazardous Air Pollutant (HAP) Control Program

Author(s): L Bruckman, RA Rubino, J Gove, T McKinsley,

MK Sanyal, W McMurray Annual Conference: 1987, Vol. 7

Paper ID: 87-104.4

The Development of Hawaii's H2S Standards and Geothermal Regulations

Author(s): PG Flachsbart, JM Morrow Annual Conference: 1987, Vol. 7

Paper ID: 87-104.5

Kentucky Toxic Air Pollutant Program

Author(s): RB McCann, HM Saaid Annual Conference: 1987, Vol. 7

Paper ID: 87-104.6

Implementation of the Federal Air Toxics Program A Regional Perspective

Author(s): IZ Milner

Annual Conference: 1987, Vol. 7

Paper ID: 87-104.7

A Report of Some New Techniques for Controlling Air Pollution in Taiwan, R.O.C.

Author(s): AESM Ling, LY Chen, PTK Wu, JT Liaw, SC Wu

Annual Conference: 1987, Vol. 7

Paper ID: 87-106A.2

Analysis of Back Trajectories for Hong Kong During 1979-1980

Author(s): BY Lee, EH Koo, JM Harris Annual Conference: 1987, Vol. 7

Paper ID: 87-106A.3

Air Pollution Control in South Africa- The First Twenty Years

Author(s): LE Tucker

Annual Conference: 1987, Vol. 7

Paper ID: 87-106A.4

Air Resource Management as Part of a Curriculum on Integrated Resources Management

Author(s): RJ Goodwin, LB Oxedine Annual Conference: 1987, Vol. 7

Paper ID: 87-106A.5

An Emission Inventory fro S02, NOx and VOC'S in North-Western Europe

Author(s): B Lubkert, S De Tilly Annual Conference: 1987, Vol. 7

Paper ID: 87-106A.6

Relationship Between Pollutants Level of Indoor and Outdoors in Homes Around Traffic Congested Roadside Area in Tokyo

Author(s): K Maeda, H Nitta, S Nakae, M Ono

Annual Conference: 1987, Vol. 7

Paper ID: 87-106A.7

Assessment of Air Pollution in a Dense Populated City

Author(s): YS Fung

Annual Conference: 1987, Vol. 7

Paper ID: 87-106B.11

Characteristic Study of Rain Water in Taiwan

Author(s): FT Jeng

Annual Conference: 1987, Vol. 7

Paper ID: 87-106B.12

Development and Application of a Microcomputer Based Model for Acid Plume Opacity

Author(s): KT Lee

Annual Conference: 1987, Vol. 7

Paper ID: 87-106B.13

Impact of Mobile-Source Diesel Emissions on Air Quality in New Mexico: A Beginning

Author(s): M Espinosa, L Babcock Annual Conference: 1987, Vol. 7

Paper ID: 87-106B.14

Mexico City Aerosol Study: Inhalable Particles Analysis with Dichotomous Sampler and Pixe

Author(s): YI Falcon, CR Ramirez Annual Conference: 1987, Vol. 7

Paper ID: 87-106B.15

Air Quality Management Plan for the Eastern Seaboard Region of Thailand

Author(s): P Kiravanich, JT Middleton, S Panich

Annual Conference: 1987, Vol. 7

Paper ID: 87-106B.18

The Distributive Characteristics and Numerical Simulation of Acid Precipitation in Shichuan Basin in China

Author(s): L Xiaoen, J Xingyuan, Y Suzheng, BD Yuzheng

Annual Conference: 1987, Vol. 7

Paper ID: 87-106C.23

Air Pollution Problems at Riyadh Refinery

Author(s): IS Al-Mutaz

Annual Conference: 1987, Vol. 7

Paper ID: 87-106C.24

Aerodynamic Properties of the Classical Geometrically Shaped Exhaust Hoods

Author(s): V Yousefi

Annual Conference: 1987, Vol. 7

Paper ID: 87--106C.26

Photochemical Reaction of S02-Biacetyl System

Author(s): S Suzuki, N Horiuchi, S Hojo

Annual Conference: 1987, Vol. 7

Paper ID: 87-106C.27

Present Status of Preventive Measures Against Suspended Particulate Matter in Japan

Author(s): K Shiozawa, SI Okamoto Annual Conference: 1987, Vol. 7

Paper ID: 87-106C.28

A Long Term Diffusion Model Based on Power Law Profiles of wind Velocity and Eddy Diffusivity: A Comparison with a Gaussian Model Results

Author(s): T Tirabassi, M Tagliazucca, L Sedefian

Annual Conference: 1987, Vol. 7

Paper ID: 87-106C.29

Modeling of Air Pollution Impacts from Power Stations in Kuwait

Author(s): DN Al-Ajmi, Y Abdal Annual Conference: 1987, Vol. 7

Paper ID: 87-106D.1

Air Purification with Biofilters, Field of Application and Design Criteria

Author(s): D Barftke, K Fischer, F Sabo

Annual Conference: 1987, Vol. 7

Paper ID: 87-106D.3

Hydrogen Sulfide Pollution in Wastewater Treatment Facilities

Author(s): KH Al-Dhowalia Annual Conference: 1987, Vol. 7

Paper ID: 87-106D.4

Recordkeeping of Environmental Information -- A Case Study

Author(s): P Adams, RR Johnson Annual Conference: 1987, Vol. 7

Paper ID: 87-109.1

Application of Microcomputer Graphics to Dispersion Modeling

Author(s): DI McCready Annual Conference: 1987, Vol. 7

Paper ID: 87-109.2

Photochemical Modeling on a Microcomputer

Author(s): R Kapahi

Annual Conference: 1987, Vol. 7

Paper ID: 87-109.3

A Data Acquisition and Analysis System for a Pilot Scale Baghouse

Author(s): RR Wilson, FR Heaphy, WB Smith

Annual Conference: 1987, Vol. 7

Paper ID: 87-109.5

Climatological Data Available on Floppy Diskette

Author(s): R Heim

Annual Conference: 1987, Vol. 7

Paper ID: 87-109.6

An Interactive Microcomputer-Based Area Source Emissions Inventory System

Author(s): JC Yates

Annual Conference: 1987, Vol. 7

Paper ID: 87-109.7

Automatic Tank Gauging Systems for Monitoring Underground Storage Tanks

Author(s): RA Scheinfeld

Annual Conference: 1987, Vol. 1

Paper ID: 87-11.2

A Method for Determining VOC and Toxic Emissions from Gasoline Contaminated Soils

Author(s): DR Shonnard, RL Bell Annual Conference: 1987, Vol. 1

Paper ID: 87-11.4

Waste Disposal Site Remediation: A Case History

Author(s): MP Gallagher, HJ Weiss Annual Conference: 1987, Vol. 1

Paper ID: 87-11.7

Assessment of Exposure and Public Health Risks During the Excavation of a Refinery Wastes Contaminated Site

Author(s): M Yang, DR Thorne, MJ Fedoruk

Annual Conference: 1987, Vol. 1

Paper ID: 87-11.8

The Use if Air Quality Data in Interpreting and Implementing The New Particulate Matter Standards

Author(s): NH Frank

Annual Conference: 1987, Vol. 7

Paper ID: 87-110.1

The Effects of Four Options for a New Rural Fugitive Dust Policy

Author(s): DA Ono

Annual Conference: 1987, Vol. 7

Paper ID: 87-110.2

Development of an Ozone Climatology for Harris County,

Author(s): HW Balentine, JC Carter, J Preston

Annual Conference: 1987, Vol. 7

Paper ID: 87-113.2

Case Studies of Two Unusual High Ozone Days in Harris County, Texas

Author(s): HW Balentine, AR Srackangast

Annual Conference: 1987, Vol. 7

Paper ID: 87-113.3

The Relationship of Weather Patterns to Ozone in the Houston, Texas Area

Author(s): KA Zimmerman, R Tropp, R Barta

Annual Conference: 1987, Vol. 7

Paper ID: 87-113.4

Coupling High Pressure Systems and Outbreaks of High Surface Ozone Concentrations

Author(s): SH Chu

Annual Conference: 1987, Vol. 7

Paper ID: 87-113.5

Meteorological Analysis of the Ozone Season in Connecticut

Author(s): MA Atwater

Annual Conference: 1987, Vol. 7

Paper ID: 87-113.6

Low Cost Improvements in Air Pollution Control for Armoc's Ashland, Kentucky Works Sinter Plant

Author(s): SS Felton

Annual Conference: 1987, Vol. 1

Paper ID: 87-12.2

The Use of Experimental Flow Modeling to Solve Fugitive Emission Problems in the Iron and Steel Industry

Author(s): GB Gilbert

Annual Conference: 1987, Vol. 1

Paper ID: 87-12.3

Permits and Profits Through Emissions Trading: Iron and Steel Facility Experiences

Author(s): MC Weiss, JD Margolis Annual Conference: 1987, Vol. 1

Paper ID: 87-12.5

The Determination of Complex Volatile Organic Compound Emissions at Low Levels

Author(s): JE Gibb, SC Hohman, JN Peace, WC McGrew

Annual Conference: 1987, Vol. 1

Paper ID: 87-13.3

Sulphur Dioxide Abatement at Falconbridge Limited and Resulting Environmental Improvements in the Sudbury Area

Author(s): GH Kailura, RE Michelutti, ME Wiseman

Annual Conference: 1987, Vol. 1

Paper ID: 87-13.5

Sampling and Analysis of Soil and Street Dust in the Philadelphia Area

Author(s): SA Batterman, TG Dzubay, DL Johnson

Annual Conference: 1987, Vol. 1

Paper ID: 87-14.2

Chemical Characterization of Aerosols Emitted from Vehicle Traffic on Unpaved Roads

Author(s): WR Barnard, DF Gatz, GJ Stensland

Annual Conference: 1987, Vol. 1

Paper ID: 87-14.3

Size Distributed Receptor Modeling of Atmospheric Aerosol

Author(s): JA Rau, JJ Huntzicker, SA Egerton

Annual Conference: 1987, Vol. 1

Paper ID: 87-14.4

Origins of Manganese in Air Particulates in California

Author(s): DW Davis, K Hsiao, R Ingels, J Shikiya

Annual Conference: 1987, Vol. 1

Paper ID: 87-14.5

Minerals as Diagnostic Source Indicators in Receptor Modeling

 $\hbox{Author(s): }BL\ Davis$

Annual Conference: 1987, Vol. 1

Paper ID: 87-14.6

Effects of Measurement Errors and Collinearity on Aerosol Source Apportionment

Author(s): MD Cheng, PK Hopke Annual Conference: 1987, Vol. 1

Paper ID: 87-14.7

Life Cycle Approach to Effective Waste Minimization

Author(s): JS Hunter, DM Benforado Annual Conference: 1987, Vol. 1

Paper ID: 87-15.12

Chrome Recovery from Leather Tanning

Author(s): ML Davis, T Voice, L Sturgess, G Johnson

Annual Conference: 1987, Vol. 1

Paper ID: 87-15.2

Field Evaluation of Treatment Processes for Hazardous Waste

Author(s): B Kaplan, MA Crawford Annual Conference: 1987, Vol. 1

Paper ID: 87-15.3

Alternatives To Land Disposal of Hazardous Waste and Resulting Environmental Impacts

Author(s): TE Higgins, JR Dunckel, BG Marshall

Annual Conference: 1987, Vol. 1

Paper ID: 87-15.4

Managing Hazardous Waste During the Land Disposal Ban

Author(s): DL Olschewsky, C Scher Annual Conference: 1987, Vol. 1

Paper ID: 87-15.8

Clust--A Non-Disruptive Secondary Containment Technology for Underground Storage Tank Farms

Author(s): TP Castor, MF Roberge Annual Conference: 1987, Vol. 1

Paper ID: 87-16.1

Leaking Underground Storage Tank Site Remediation Alternatives

Author(s): L Preslo, M Miller, W Suyama, P Kostecki

Annual Conference: 1987, Vol. 1

Paper ID: 87-16.2

Underground Storage Tanks: Management's Latest Challenge

Author(s): AD Young

Annual Conference: 1987, Vol. 1

Paper ID: 87-16.5

Underground Storage Tank Management: Information for Decision Making

Author(s): TB Holbrook

Annual Conference: 1987, Vol. 1

Paper ID: 87-16.9

A Technical Approach for Establishing Site Mitigation Criteria

Author(s): PW Hadley, CE Koerner Annual Conference: 1987, Vol. 1

Paper ID: 87-17.1

Trends in Superfund Response Actions

Author(s): P Shanaham, RJ Fine Annual Conference: 1987, Vol. 1

Paper ID: 87-17.2

Regulation and Control of Air Contaminants During hazardous Waste Site Remediation

Author(s): CA Coy

Annual Conference: 1987, Vol. 1

Paper ID: 87-18.1

Case Study: Control and Monitoring of Air Contaminants During Site Mitigation

Author(s): CE Schmidt, GA Turl Annual Conference: 1987, Vol. 1

Paper ID: 87-18.2

Using Foam to Maintain Air Quality During Remediation of Hazardous Waste Sites

Author(s): RR Alm, KA Olson, RC Peterson

Annual Conference: 1987, Vol. 1

Paper ID: 87-18.3

Air Strippers and Their Emissions Control at Superfund Sites

Author(s): BL Blaney, M Branscome Annual Conference: 1987, Vol. 1

Paper ID: 87-18.4

Leachate Management and Groundwater Monitoring at Chemical Waste Management, Inc.

Author(s): LA Kleinvehn Annual Conference: 1987, Vol. 1

Paper ID: 87-19.1

The U.S. Environmental Protection Agency's Ground-Water Classification System and Wellhead Protection Program: Description, Status and Implications

Author(s): M Mlay, JJ Valdes

Annual Conference: 1987, Vol. 1

Paper ID: 87-19.2

Joy-Niro System for Hazardous Waste Applications European vs. U.S. Experience

Author(s): JR Donnelly, JT Moller, V Carver

Annual Conference: 1987, Vol. 1

Paper ID: 87-1P.2

Managing Future Pollution: The Minnesota Indirect Source Permit Program's Attempt to Control Transportation Sources

Author(s): SA Pelly

Annual Conference: 1987, Vol. 1

Paper ID: 87-2.1

Effect of Fuel Volatility and Methanol Blend Usage on Evaporative Emissions

Author(s): PA Gabele

Annual Conference: 1987, Vol. 1

Paper ID: 87-2.4

Potential Contributions to Ambient Concentrations of Air Toxics by Mobile Sources

Author(s): BS Carhhart, MP Walsh Annual Conference: 1987, Vol. 1

Paper ID: 87-2.5

Utilizing Growth Management to Project the Carbon Monoxide Standard in an Area of Rapid Growth

Author(s): MG DeGrove Annual Conference: 1987, Vol. 1

Paper ID: 87-2.6

Kinematics and Dispersion Characteristics of Flows in Asymmetric Street Canyons

Author(s): WG Hoydysh, WF Dabberdt Annual Conference: 1987, Vol. 1

Paper ID: 87-2.7

Hazardous Waste and Used Oil Fuel Burning Continuing Regulatory Concerns for Generators, Marketers and Burners

Author(s): JW Voelpel

Annual Conference: 1987, Vol. 1

Paper ID: 87-20.1

Superfund and Federal Regulatory Controls Governing Used Oil

Author(s): C Harris

Annual Conference: 1987, Vol. 1

Paper ID: 87-20.2

Case Studies of Minimizing Plating Bath Wastes in the Electronics Products Industry

Author(s): HM Freeman, TJ Nunno Annual Conference: 1987, Vol. 1

Paper ID: 87-20.3

Innovative Electromembrane Process for Recovery of Lead from Contaminated Soils

Author(s): ER Krishnan, WF Kemner Annual Conference: 1987, Vol. 1

Paper ID: 87-20.5

Hazardous Materials and Waste Tracking System

Author(s): JD Rouge, CE Schmidt, J Hicks

Annual Conference: 1987, Vol. 1

Paper ID: 87-20.6

Waste Reduction Program Elements for Research and Development Operations

Author(s): SC Rice

Annual Conference: 1987, Vol. 1

Paper ID: 87-20.7

The Impact of Trial Burns on Incinerator Operating Flexibility

Author(s): AR Eicher, JJ Cudahy Annual Conference: 1987, Vol. 2

Paper ID: 87-22.3

Use of Energy and Mass Balance for RD & D Permit Evaluation

Author(s): W Clark, WR Seeker, CC Lee

Annual Conference: 1987, Vol. 2

Paper ID: 87-22.5

Guidelines for Setting Incinerator Permit Conditions

Author(s): C Castaldini, CC Lee Annual Conference: 1987, Vol. 2

Paper ID: 87-22.6

Overview of the Permit Process for a New Hazardous Waste Incinerator

Author(s): AR Borowsky

Annual Conference: 1987, Vol. 2

Paper ID: 87-22.7

Incinerability Testing of Superfund Site Wastes at EPA'S Combustion Research Facility

Author(s): LRWaterland, JW Lee, RW Ross, JW Lewis, C

Castaldini, RE Mournighan Annual Conference: 1987, Vol. 2

Paper ID: 87-23.1

The Correlation of SF6 Destruction with Principal Organic Hydrocarbon Destruction in Incineration Processes

Author(s): WG England, LG Teuscher, SL Quon

Annual Conference: 1987, Vol. 2

Paper ID: 87-23.2

Real-Time Monitoring of a Hazardous Waste Incinerator with a Mobile Laboratory

Author(s): SL Nolen, JV Ryan, R Bridge

Annual Conference: 1987, Vol. 2

Paper ID: 87-23.5

PCB Trial Burn in a Modular Movable Incinerator

Author(s): P Acharya, BA Reiter Annual Conference: 1987, Vol. 2

Paper ID: 87-24.1

Thermal Stripping Treatment of Soils Contaminated with Volatile Organic Compounds

Author(s): JW Noland, NP McDevitt, DL Koltuniak

Annual Conference: 1987, Vol. 2

Paper ID: 87-24.3

Mobile Infrared Incinerators for Soil Decontamination

Author(s): M Hill

Annual Conference: 1987, Vol. 2

Paper ID: 87-24.4

Transportable Circulating Bed Combustor for Thermal Treatment of Contaminated Soils and Sludges

Author(s): ML White, HH Yip, HR Doit

Annual Conference: 1987, Vol. 2

Paper ID: 87-24.5

Advanced Thermal Technology for Waste Destruction & Recycle

Author(s): RP Cepko

Annual Conference: 1987, Vol. 2

Paper ID: 87-24.6

In Situ Vitrification--An Innovative Thermal Treatment Technology

Author(s): VF Fitzpatrick, CL Timmerman, JL Buelt

Annual Conference: 1987, Vol. 2

Paper ID: 87-24.7

Operator Training and Certification at Municipal Energy from Waste Facilities

Author(s): CO Velzy

Annual Conference: 1987, Vol. 2

Paper ID: 87-25.1

Combustion of Chemical Residues as By-Product Fuels for Industrial Boilers

Author(s): WY Wang, GM Whipple Annual Conference: 1987, Vol. 2

Paper ID: 87-25.4

Commissioning and Operation of the Hamilton Sawru Plant

Author(s): HA Franco

Annual Conference: 1987, Vol. 2

Paper ID: 87-25.5

Computerized Calculations for Hazardous Waste Incinerators

Author(s): J Reynold, S Facinelli, L Theodore, C Pratt

Annual Conference: 1987, Vol. 2

Paper ID: 87-25.6

Minimizing Emissions and Improving Operation of Waste-To-Energy Facilities

Author(s): MJ Clarke

Annual Conference: 1987, Vol. 2

Paper ID: 87-25.7

An Evaluation of Alternate Emission Control Systems for Refuse-To-Energy Plants

Author(s): M Kapner, S Schwarz, J McKenna

Annual Conference: 1987, Vol. 2

Paper ID: 87-26.5

Air Pollution Control Strategies for Refuse to Energy Projects

Author(s): EH Weaver, B Bahor, J Finney

Annual Conference: 1987, Vol. 2

Paper ID: 87-26.6

Incineration Feasibility Study for Battery Plant Trash and Crushed Rubber Battery Gases

Author(s): RM Reynolds

Annual Conference: 1987, Vol. 2

Paper ID: 87-26.7

Joy/Niro SDA Systems for MSW Incineration European Operating Results

Author(s): JR Donnelly, MT Quach, JT Moller

Annual Conference: 1987, Vol. 2

Paper ID: 87-26.8

New Developments in the Regulation of Utility Wastes from Plants Modified for Advanced SO2 Removal

Author(s): GW Dawson, R Lorang Annual Conference: 1987, Vol. 2

Paper ID: 87-27A.1

Experimental Approach for Field Study of Wastes from Advanced Coal Processes

Author(s): IJ Holcombe, GC Page Annual Conference: 1987, Vol. 2

Paper ID: 87-27A.11

Disposal, Recycle and Utilization of Modified Fly Ash from Hydrated Lime Injection into Coal-Fired Utility Boilers

Author(s): RS Dahlin, CLLishawa, CC Clark, PS Nolan, N

Kaplan

Annual Conference: 1987, Vol. 2

Paper ID: 87-27A.4

EPRI'S Research on AFBC By-Product Management

Author(s): S Tovoulareas, W Howe, D Golden, G Eklund

Annual Conference: 1987, Vol. 2

Paper ID: 87-27A.7

Technical and Economic Feasibility of Utilizing Coal Conversion Solid Wastes

Author(s): OE Manz, DL Laudal, GH Gorenewold, FW

Beaver

Annual Conference: 1987, Vol. 2

Paper ID: 87-27B.12

Coal Ash Risk Management Case Study

Author(s): D Amaral, D Cohan, K Runke

Annual Conference: 1987, Vol. 2

Paper ID: 87-27B.13

Release of Inorganic Constituents from Coal Fly Ash

Author(s): IP Murarka

Annual Conference: 1987, Vol. 2

Paper ID: 87-27B.3

Integrated Environmental Control Considerations for Improving Limestone FGD Solid Waste Characteristics

Author(s): JE Cichanowicz, WC Mincheletti

Annual Conference: 1987, Vol. 2

Paper ID: 87-27B.5

Use of An-Engine Pressure Ratio Probe for Emission Sampling Part 1 Modeling

Author(s): MB Colket

Annual Conference: 1987, Vol. 1

Paper ID: 87-3.1

A Critique of ICAO/EPA Regulations for Aircraft Gaseous Emissions Instrumentation

Author(s): RH Groth, NT Campbell, MC Williams,

Annual Conference: 1987, Vol. 1

Paper ID: 87-3.4

Gas Turbine Emission Probe Factors

Author(s): RH Bieck

Annual Conference: 1987, Vol. 1

Paper ID: 87-3.6

Public Participation in Siting Resource Recovery Facilities: Lesson Learned

Author(s): CS Konheim, NM Reiss, F Hasselriis

Annual Conference: 1987, Vol. 2

Paper ID: 87-30.10

Public Participation -- The Way to Acceptance?

Author(s): RJ Redhead

Annual Conference: 1987, Vol. 2

Paper ID: 87-30.2

Siting a Radioactive Waste Facility: A Pathway Analysis Case Study

Author(s): GA Holton, KR Meyer, HR Meyer

Annual Conference: 1987, Vol. 2

Paper ID: 87-30.4

Siting of Waste Management Facilities--The Ontario Experience

Author(s): JG Micak, EH Schmidt Annual Conference: 1987, Vol. 2

Paper ID: 87-30.7

Tools for Environmental Professionals Involved in Risk Communication at Hazardous Waste Facilities Undergoing Sitting, Permitting or Remediation

Author(s): MC Bean

Annual Conference: 1987, Vol. 2

Paper ID: 87-30.8

Gasoline Vapor Exposure Parameters During Refueling Operations

Author(s): JW Shiller

Annual Conference: 1987, Vol. 2

Paper ID: 87-31.3

The Health Effects Institute Assessment of Refueling Vapors A Case Study

Author(s): R Kavet

Annual Conference: 1987, Vol. 2

Paper ID: 87-31.4

The Significance and Meaningfulness of Intraindividual Changes in Objective Test Results as Responses to Air Contaminants

Author(s): MD Lebowitz, JJ Quackenboss, AE Camilli, D

Bronnimann

Annual Conference: 1987, Vol. 2

Paper ID: 87-32.1

Health Significance of Pulmonary Function Tests

Author(s): M Lippmann

Annual Conference: 1987, Vol. 2

Paper ID: 87-32.3

Acute Respiratory Function and Transported Air Pollutants: Observational Studies

Author(s): M Raizenne, B Stern, J Spengler

Annual Conference: 1987, Vol. 2

Paper ID: 87-32.6

Pulmonary Responses of Well-Characterized Asthmatic, Atopic and Normal Volunteers to Sulfur Dioxide Implications for Air Quality Risk Assessment

Author(s): JD Hackney, WS Linn, EL Avol

Annual Conference: 1987, Vol. 2

Paper ID: 87-32.8

Aerosol Sampling in Relation to Inhaled Particle Deposition

Author(s): RF Phalen

Annual Conference: 1987, Vol. 2

Paper ID: 87-33.1

Exposure, Dose, Vegetation Response and Standards: Will They Ever be Related?

Author(s): VC Runeckles

Annual Conference: 1987, Vol. 2

Paper ID: 87-33.2

Organism Response to Time Variable Pollutant Dosages

Author(s): JL Mancini, AH Plummer Annual Conference: 1987, Vol. 2

Paper ID: 87-33.3

The Effects of Exercise on Respiratory Tract Dosimetry for Inhaled Gaseous Pollutants

Author(s): MT Kleinman, WJ Mautz Annual Conference: 1987, Vol. 2

Paper ID: 87-33.5

Pulmonary Function Changes Associated with Air Pollution Episodes: A Re-Analysis of the Steubenville and Ijmond Alert Studies

Author(s): B Brunekreef, JH Ware, DW Dockery, FE Speizer,

JD Spengler, BG Ferris

Annual Conference: 1987, Vol. 2

Paper ID: 87-33.7

Research at Boyce Thompson Institute on the Effects of Ozone and Acidic Precipitation on Red Spruce

Author(s): LH Weinstein, RJ Kohut, JS Jacobson

Annual Conference: 1987, Vol. 2

Paper ID: 87-34.1

Status of the Spruce--For Cooperative Research Program

Author(s): GD Hertel, SJ Zarnoch, T Arre, C Eager, V

Mohnen, S Medlarz

Annual Conference: 1987, Vol. 2

Paper ID: 87-34.2

Status Report on the Southern Commercial Forest Research Cooperative

Author(s): AM Bartuska, KC Joyner Annual Conference: 1987, Vol. 2

Paper ID: 87-34.3

The Integrated Forest Study on Effects of Atmospheric Deposition: A Status Report

Author(s): DW Johson, SE Linfberg, EA Bondietti, DW Cole,

GM Lovett, M Mitchell, LH Ragsdale, LF Pitelka

Annual Conference: 1987, Vol. 2

Paper ID: 87-34.4

The Possible Role of Air Quality in Sugar Maple Decline

Author(s): SN Linzon

Annual Conference: 1987, Vol. 2

Paper ID: 87-34.5

Nutrient Leaching from Pine Needles Impacted by Acidic Cloudwater

Author(s): JM Waldman, MR Hoffman Annual Conference: 1987, Vol. 2

P. 07.240

Paper ID: 87-34.9

Lake and Stream Mitigation Research: Progress in the Federal State Program

Author(s): R K Schreiber, WA Hartman Annual Conference: 1987, Vol. 2

Paper ID: 87-35.1

The Effects of Limestone Application on Water Quality in Fifteen Acidified New York and Massachusetts Lakes

Author(s): RW Brocksen, GJ Filbin, MB Bonoff, PT

Gremillion, R Danehy, JE Fraser Annual Conference: 1987, Vol. 2

Paper ID: 87-35.2

The Effectiveness of Liming to Mitigate Lake Watershed Acidification

Author(s): JE Davis, RA Goldstein Annual Conference: 1987, Vol. 2

Paper ID: 87-35.3

The Lake Acidification Mitigation Project (LAMP)

Author(s): DP Porcella

Annual Conference: 1987, Vol. 2

Paper ID: 87-35.4

The Loch Fleet Project An Acid Mitigation Programme Based on Land Intervention Treatments

Author(s): TRK Dalziel, MV Proctor, K Paterson

Annual Conference: 1987, Vol. 2

Paper ID: 87-35.6

Concentration and Deposition Patterns for Ions Measured in Precipitation Over The Central Mid-Atlantic Region of the United States

Author(s): C Maxwell, J Bartoshesky, SA Campbell

Annual Conference: 1987, Vol. 2

Paper ID: 87-35A.1

Analysis of Acid Deposition Data in Southern California

Author(s): KK Yu, R Papa, J Kowalski, P Amar

Annual Conference: 1987, Vol. 2

Paper ID: 87-35A.2

Analysis of Precipitation Chemistry Variability in Southern California

Author(s): JF Collins, JR Young, AA Huang, MD Zeldin, EC

Ellis

Annual Conference: 1987, Vol. 2

Paper ID: 87-35A.3

Acid Precipitation Chemistry in an Urban Plume

Author(s): P Saxena, TD Arcado, BL Marler, SL Altshuler

Annual Conference: 1987, Vol. 2

Paper ID: 87-35A.4

The Importance of the Total Ecosystem Response to Air Pollution

Author(s): AR McLeod, TM Roberts Annual Conference: 1987, Vol. 2

Paper ID: 87-36.1

Risks of Forest Response Due to Ambient Ozone

Author(s): DC Peterson, JK Sueker Annual Conference: 1987, Vol. 2

Paper ID: 87-36.3

Effects of Ozone Sulfur Dioxide and Acidic Precipitation on Formation of Ectomycorrhizae by Forest Tree Seedlings

Author(s): KD Keane, WJ Manning Annual Conference: 1987, Vol. 2

Paper ID: 87-36.4

Inter-Year Variability in Ozone (03) Greatly Influences the Prediction of 03-Induced Soybean Production Losses

Author(s): JD Kinsman

Annual Conference: 1987, Vol. 2

Paper ID: 87-36.5

Effects of Wind and Air Pollutants on Plants

Author(s): BA Giridhar, SB Chaphekar Annual Conference: 1987, Vol. 2

Paper ID: 87-36.6

The Use of Emissions Trading to Meet Post 87 Attainment Goals

Author(s): J Palmisano

Annual Conference: 1987, Vol. 2

Paper ID: 87-38.1

Environmental Evaluation of Electric Generating Pant Life Extension for a Midwestern Utility

Author(s): JJ Rochow, JZ Reynolds Annual Conference: 1987, Vol. 1

Paper ID: 87-4.1

Plant Life Extension and Acid Rain Control Legislation

Author(s): RA Beck

Annual Conference: 1987, Vol. 1

Paper ID: 87-4.2

Evaluation of Electric Utility Generating Units for Life Extension

Author(s): HD Ege, JR Field Annual Conference: 1987, Vol. 1

Paper ID: 87-4.3

Implications of Utility Life Extension Programs for the Acid Rain Control Debate

Author(s): EM Trisko

Annual Conference: 1987, Vol. 1

Paper ID: 87-4.4

An Update on the Emissions Implications of Utility Life Extension

Author(s): P Schwengels Annual Conference: 1987, Vol. 1

Paper ID: 87-4.6

Power Plant Life Extension Impacts on Emission Reduction Strategies

Author(s): JS Salmento, ES Rubin, H Dowlatabadi

Annual Conference: 1987, Vol. 1

Paper ID: 87-4.7

EPA'S Visibility Program Update of the Phase 1 Rules

Author(s): DH Stonefield, JC Metsa Annual Conference: 1987, Vol. 3

Paper ID: 87-40.1

Regulatory Perspective of Visibility Research Needs

Author(s): WC Malm, RC Henry Annual Conference: 1987, Vol. 3

Paper ID: 87-40.5

Relationship Between Airport Visual Range Observations and Light Scattering in a Woodsmoke-Dominated

Author(s): RJ Hardy, LE Conger, HG Rigg

Annual Conference: 1987, Vol. 3

Paper ID: 87-40.7

Sources of Regional Haze and Fine Particulate Matter at Shenandoah National Park

Author(s): WC Malm

Annual Conference: 1987, Vol. 3

Paper ID: 87-40A.4

Spatial Relationships Between Acid Rain, Air Quality and Visibility Data

Author(s): GJ Stensland

Annual Conference: 1987, Vol. 3

Paper ID: 87-40A.6

Establishment of an Eastern Visibility Fine Particle Network

Author(s): EG Evans, TR Fitz-Simons, WF Barnard

Annual Conference: 1987, Vol. 3

Paper ID: 87-40A.8

Applications of Value of Information Analysis to Superfund Control Decisions

Author(s): EG Richars, JS Evans, AM Finkel

Annual Conference: 1987, Vol. 3

Paper ID: 87-41.1

Prediction of Risk from Indoor Exposure to

Tetrachloroethylene: Pharmacokinetic Considerations Under Steady State and Dynamic Exposure Conditions

Author(s): KT Bogen, TE McKone Annual Conference: 1987, Vol. 3

Paper ID: 87-41.2

Risk Assessment of Exposure to Airborne Radon

Author(s): WH Hallenbeck Annual Conference: 1987, Vol. 3

Paper ID: 87-41.3

Multiple Low-Dose Extrapolation Models in Cancer Risk Assessment of Power Plant Air Emissions

Author(s): BW Perry, LB Gratt Annual Conference: 1987, Vol. 3

Paper ID: 87-41.6

Multipollutant (Indoor-Outdoor) Interactions and Health

Author(s): JJ Quackenboss, MD Lebowitz, AE Camilli, P

Nolan, C Hayes

Annual Conference: 1987, Vol. 3

Paper ID: 87-41.8

The Total Human Environmental Exposure Study (Times) to Benzo (A) Pyrene

Author(s): PJ Lioy, JM Waldman, A Greenberg, R Harkov

Annual Conference: 1987, Vol. 3

Paper ID: 87-42.1

The Estimation of London, England Aerosol Exposures from Historical Visibility Records

Author(s): L Ito, GD Thurston Annual Conference: 1987, Vol. 3

Paper ID: 87-42.2

Respiratory Responses to Laboratory Generation "Acid Fog" in Healthy and Asthmatic Volunteers

Author(s): EL Avol, WS Linn, JD Hackney

Annual Conference: 1987, Vol. 3

Paper ID: 87-42.4

Risk Assessment Approaches to Drinking Water Contaminants in New Jersey: Applicability to Standards for Air Toxics

Author(s): L Jowa, GB Post, LJ McGeorge

Annual Conference: 1987, Vol. 3

Paper ID: 87-42.5

Inhalation Exposures to Volatile Organic Contaminants in the Shower

Author(s): SA Foster, PC Chrostowski Annual Conference: 1987, Vol. 3

Paper ID: 87-42.6

National Estimates of Population Exposure to Ozone

Author(s): RA Paul, WF Biller, T McCurdy

Annual Conference: 1987, Vol. 3

Paper ID: 87-42.7

The Use of Exposure Analysis and Risk Assessment in EPA Regulations on Atmospheric Lead

Author(s): J Cohen, AH Marcus, J Schwartz

Annual Conference: 1987, Vol. 3

Paper ID: 87-43.1

Consideration of Risk Assessment Techniques in the Development of New NAAQS for Ambient Particles

Author(s): H Ozkaynak, PL Kinney, B Burbank, JD Spengler

Annual Conference: 1987, Vol. 3

Paper ID: 87-43.3

Assessing Pulmonary Function and Symptom Health Risks Associated with Ozone Exposure: A Summary of Recent Progress

Author(s): SR Hayes, TS Wallsten, RG Whitfield, RL Winkler

Annual Conference: 1987, Vol. 3

Paper ID: 87-43.4

Health Risks of Short-Term SO2 Exposure to Exercising Asthmatics

Author(s): RE Wyzga, PC Freudenthal, HD Roth

Annual Conference: 1987, Vol. 3

Paper ID: 87-43.6

A New Wet Precipitator Design for Hazardous Waste Incineration Emission Control

Author(s): WT Hartshorn Annual Conference: 1987, Vol. 3

Paper ID: 87-44.1

Wet Precipitator Design for Hazardous Waste Incineration

Author(s): AJ Sebille, AE Swift Annual Conference: 1987, Vol. 3

Paper ID: 87-44.2

Emissions from and Control of Incinerators Burning Municipal Solid Waste with Hazardous Wastes

Author(s): JL Tessitore, FL Cross, HE Hesketh

Annual Conference: 1987, Vol. 3

Paper ID: 87-44.5

Mass Transfer Coefficient for SO2 Scrubbing System in an Ejector Venturi Scrubber

Author(s): I Atay, G Lewandowski, R Trattner

Annual Conference: 1987, Vol. 3

Paper ID: 87-45.4

Low Pressure Drop Wet Scrubbers Save Energy and Improve Efficiency

Author(s): ML Roeder, ND Phillips Annual Conference: 1987, Vol. 3

Paper ID: 87-45.5

Effects of Turbulence and Electrohydrodynamics on Both the Concentration Profile and the Performance of Electrostatic Precipitors

Author(s): T Yamamoto, LE Sparks Annual Conference: 1987, Vol. 3

Paper ID: 87-45.7

Advanced Electrostatic Stimulation and Fabric Filtration: Performance and Economics

Author(s): AS Viner, GP Greiner, LS Hovis

Annual Conference: 1987, Vol. 3

Paper ID: 87-45.8

Formulation and Application of a Comprehensive Pulsed Precipitation Model

Author(s): L Salasoo, JK Nelson Annual Conference: 1987, Vol. 3

Paper ID: 87-45.9

A Perspective on Why We Didn't Attain the Ozone Standard and What We Should Do Next

Author(s): J Hanisch

Annual Conference: 1987, Vol. 3

Paper ID: 87-47.1

Ten Years with Stage 1 and Stage 11 Gasoline Station Vapor Control

Author(s): RD Bradt, JH Hirt Annual Conference: 1987, Vol. 3

Paper ID: 87-47.5

The Stappa-Alapco National Ozone Control Strategy

Author(s): VH Sarver

Annual Conference: 1987, Vol. 3

Paper ID: 87-47.6

Ozone Control Strategies in the San Francisco Bay Area

Author(s): PF Hess

Annual Conference: 1987, Vol. 3

Paper ID: 87-47.7

Analysis of Cost and Emission Impacts of New Strategies for Ozone Attainment

Author(s): LC Hayes, JJ Watson, RM McLean

Annual Conference: 1987, Vol. 3

Paper ID: 87-47.8

Innovations in Flexographic Printing: Reducing VOC'S with Water Based Inks When Printing on High-Slip Polyethylene Films

Author(s): GA Makrauer

Annual Conference: 1987, Vol. 3

Paper ID: 87-48.1

Recent Developments in the Use of Foamed Aqueous Inks in Rotogravure Printing

Author(s): EC Norman

Annual Conference: 1987, Vol. 3

Paper ID: 87-48.2

VOC Free Water Based Urethane Laminating Adhesives

Author(s): J Gniecko, J Helm Annual Conference: 1987, Vol. 3

Paper ID: 87-48.7

Ract Compliance: Voc Emission Reductions from Rhode Island Printing and Surface Coating Sources

Author(s): CA James

Annual Conference: 1987, Vol. 3

Paper ID: 87-48.9

Emergency Chlorine Scrubbing--A Smarter Design

Author(s): D McIntosh

Annual Conference: 1987, Vol. 3

Paper ID: 87-49.1

The Prochem System for Modeling/Simulation of Aqueous Systems

Author(s): M Rafal, SJ Sanders Annual Conference: 1987, Vol. 3

Paper ID: 87-49.2

The Importance of Considering All Chemical Reactions and Interactions in Sour Water Models

Author(s): SL Grise

Annual Conference: 1987, Vol. 3

Paper ID: 87-49.3

Computer Model for Venturi Scrubber Performance That Accounts for the Role of Non-Ideal Behavior

Author(s): JLM Koehler, HA Feldman Annual Conference: 1987, Vol. 3

Paper ID: 87-49.4

Potential Impacts of Climate Change on Electric Utilities: Project Summary

Author(s): KP Linder, MJ Gibbs Annual Conference: 1987, Vol. 1

Paper ID: 87-5.2

Environmental Consequences of CO2-Climate Interactions:

The Need for Integrated Resource Analysis

Author(s): RM Cushman, JC Waterhouse, MP Farrell

Annual Conference: 1987, Vol. 1

Paper ID: 87-5.3

Is the CO2 Issue Ready for Policy Decisions?

Author(s): MR Riches, TJ Gross, RC Dahlman, FA

Koomanoff

Annual Conference: 1987, Vol. 1

Paper ID: 87-5.5

Energy and Future Climate Forcing

Author(s): JA Edmonds, MJ Scott Annual Conference: 1987, Vol. 1

Paper ID: 87-5.6

Trends of Atmospheric Methane Over the Last 10,000 Years

Author(s): MAK Khalil, RA Rasmussen

Annual Conference: 1987, Vol. 1

Paper ID: 87-5.7

Odor Problems Resulting from Implementing Voc Reductions Through the Use of Complaint Coatings

Author(s): MA Bindbeutel Annual Conference: 1987, Vol. 3

Paper ID: 87-50.1

VOC Reduction Through Pain Spray Booth Air

Recirculation and Purification

Author(s): D Bhushan, GE Zabel Annual Conference: 1987, Vol. 3

Paper ID: 87-50.2

Paint Solvent Emissions Control Using an Activated Carbon Fiber System

Author(s): RE Kenson, PN Mishra, WL Willard

Annual Conference: 1987, Vol. 3

Paper ID: 87-50.4

Hydrocarbon Emission Reduction Through Paint Sludging Processing

Author(s): JC Johnson, AJ Slater Annual Conference: 1987, Vol. 3

Paper ID: 87-50.5

Development and Implementation of a Voc Compliance Strategy for a New Automotive Painting Operation

Author(s): JG Moldovan Annual Conference: 1987, Vol. 3

Paper ID: 87-50.6

Preventing Bed Fires in Carbon Adsorption Systems

Author(s): KJ Miller, CR Moddings, RC Nattkemper

Annual Conference: 1987, Vol. 3

Paper ID: 87-50.7

Tracking Emissions from Surface Coating Operations

Author(s): ET Barfield

Annual Conference: 1987, Vol. 3

Paper ID: 87-51.2

Development of VOC Ract Rules for Automotive Plastic Coating Lines

Author(s): LS Gamble

Annual Conference: 1987, Vol. 3

Paper ID: 87-51.3

Reduction of VOC Emissions for Metal and Plastic Surface Coasting: A Strategy for Attainment

Author(s): JR Guthrie, JE Glasgow, PF Hess

Annual Conference: 1987, Vol. 3

Paper ID: 87-51.4

Extruded Honeycombs as Catalytic Substrates for Stationary Emissions control of NOx

Author(s): JL Williams, IM Lachman, TF Rosenbusch

Annual Conference: 1987, Vol. 3

Paper ID: 87-52.1

Catalytic Air Pollution Controls Commercial Development of Selective Catalytic Reduction for NOx

Author(s): RM Heck, JC Bonacci, JM Chen

Annual Conference: 1987, Vol. 3

Paper ID: 87-52.3

Operating Experience of SCR Systems for Steam Generators

Author(s): N Kobayashi, M Miyazawa, K Suyama

Annual Conference: 1987, Vol. 3

Paper ID: 87-52.4

How Has the U.S. EPA'S Emissions Trading Policy Changed? How Big is the Bubble?

Author(s): IJ Tether, JD Margolis Annual Conference: 1987, Vol. 3

Paper ID: 87-53.11

The Growth of Environmental Auditing and Its Future Use by Regulators

Author(s): J Palmisano

Annual Conference: 1987, Vol. 3

Paper ID: 87-53.2

Innovation and Infrastructure: Competing or Complementary Goals in Air Pollution Control?

Author(s): AS Meiburg

Annual Conference: 1987, Vol. 3

Paper ID: 87-53.6

US EPA Non-Regulatory Policy for Hazardous Waste Minimization

Author(s): T Kuusinen, R McHugh, E Eby

Annual Conference: 1987, Vol. 3

Paper ID: 87-53.7

Municipal Solid Waste Incineration--Regulating Uncertainty

Author(s): JG Davis, TD Ross Annual Conference: 1987, Vol. 3

Paper ID: 87-54.1

The Stanislaus Waste-To-Energy Project: A Health Risk Assessment Case Study in California

Author(s): J Lowe, M Alberts, W Dietrich

Annual Conference: 1987, Vol. 3

Paper ID: 87-54.2

Clean Air Act Basics: Current and Future Regulatory Options for Resource Recovery Facilities

Author(s): KDK Hands

Annual Conference: 1987, Vol. 3

Paper ID: 87-54.3

One Hour Average Ambient Sulfur Dioxide Concentrations in the Vicinity of Pulp and Paper Mills

Author(s): JE Pinkerton

Annual Conference: 1987, Vol. 3

Paper ID: 87-55.1

Issues Affecting Implementation of National Ambient Air Quality Standards for Sulfur Dioxide

Author(s): EOGinsburg

Annual Conference: 1987, Vol. 3

Paper ID: 87-55.3

Development of a Database Characterizing U.S. Coal Reserves by Their Sulfur Reduction Potential Through Physical Coal Cleaning

Author(s): C Minnucci, BS Resnick, AJ Herhal, J Jones

Annual Conference: 1987, Vol. 3

Paper ID: 87-55.5

Development of S02 Emission Limits Considering Sulfur Variability in Coal

Author(s): EK Meyer, TG Pace Annual Conference: 1987, Vol. 3

Paper ID: 87-55.6

Photochemically Reactive Organic Compound Emissions from Consumer Products

Author(s): HE Rich, A Jones, M Rogozen, P Truchan

Annual Conference: 1987, Vol. 4

Paper ID: 87-56.3

An Evaluation of the Programs to Attain the Ozone and Carbon Monoxide Standards In New Jersey and New York

Author(s): RC Baamonde, RK Kapichak, PR Truchan

Annual Conference: 1987, Vol. 4

Paper ID: 87-56.4

Development of Cost Estimates for Industrial Voc Emission Controls for Harris County, Texas

Author(s): GB DeWolf, RC Keeney, CO Rueter

Annual Conference: 1987, Vol. 4

Paper ID: 87-56.5

Estimating the Emissions of Ethylene Oxide from Health Care Facilities

Author(s): G Gschwandtner Annual Conference: 1987, Vol. 4

Paper ID: 87-57.2

The Role of the New Jersey Worker and Community Right to Know Program in Compiling New Jersey's Air Toxics Emission Inventory

Author(s): AG Bookman Annual Conference: 1987, Vol. 4

Paper ID: 87-57.3

Evaluation of Computer System Alternatives for a Process-Specific Air Toxics Inventory System

Author(s): MFSzabo, J Palmisano, YM Shah, J Rickun

Annual Conference: 1987, Vol. 4

Paper ID: 87-57.4

Air Emission Characterization of Municipal Waste Combustors in New York State

Author(s): AJ Fossa, RS Kerr, AF Columbus, R Waterfall

Annual Conference: 1987, Vol. 4

Paper ID: 87-57.5

Evaporative Loss of Chlorobenzene and Toluene from a Simulated Waste Lagoon Under Ambient Conditions

Author(s): LR Berrafato, RA Wadden Annual Conference: 1987, Vol. 4

Paper ID: 87-57.6

Toxic Air Pollution Source Identification in the Piney Woods Community

Author(s): RJ Goodwin, NT Lee, JW Cropp

Annual Conference: 1987, Vol. 4

Paper ID: 87-57.7

Determination of Emissions from Propane Flaming and Stack Burning of Grass Seed Crop Residues

Author(s): SA Freeburn, M Fisher, WT Greene

Annual Conference: 1987, Vol. 4

Paper ID: 87-57.8

Evaluation of Potential Improvements in the Estimation of Unpaved Road Fugitive Emission Inventories

Author(s): WR Barnard, GJ Stensland, DF Gatz

Annual Conference: 1987, Vol. 4

Paper ID: 87-58.1

Updating Nontraditional Voc Source Inventories

Author(s): RM Leone, EW Davis, AD Jones

Annual Conference: 1987, Vol. 4

Paper ID: 87-58.2

Reconciling Urban Voc/NOx Emission Inventories with Ambient Concentration Data

Author(s): JKS Ching, JH Novak, KL Schere

Annual Conference: 1987, Vol. 4

Paper ID: 87-58.3

Utility Emissions Software for the NAPAP 1985 Emissions Inventory

Author(s): JH Wilson, EH Pechan, WD Hamilton, DA Pahl

Annual Conference: 1987, Vol. 4

Paper ID: 87-58.4

Assistance to States in Preparing 1985 NAPAP Emission Inventory Submittals

Author(s): DJ Zimmerman, DA Pahl, DG Johnson

Annual Conference: 1987, Vol. 4

Paper ID: 87-58.7

Area Source Estimates for the 1985 NAPAP Emissions Inventory

Author(s): JL Demmy, CO Mann, DA Pahll

Annual Conference: 1987, Vol. 4

Paper ID: 87-58.8

Quality Assurance and Quality Control Plan for the 1985 NAPAP Emissions Inventory

Author(s): RE Battye, DA Phal, JD Mobley

Annual Conference: 1987, Vol. 4

Paper ID: 87-58.9

Full Scale Urea Injection Evaluation

Author(s): GC Quartucy, MN Mansour, JH Nylander

Annual Conference: 1987, Vol. 1

Paper ID: 87-6.1

NOx Reduction Experience in Model 501-KB and KB5 Turbines

Author(s): JM Vaught, CS Bach Annual Conference: 1987, Vol. 1

Paper ID: 87-6.3

Low NOx High Efficiency Multistaged Burner: Fuel Oil Results

Author(s): JA Mulholland, RK Srivastava

Annual Conference: 1987, Vol. 1

Paper ID: 87-6.4

Effects of Load Following on Gas Turbine Emissions and Ambient Air Quality

Author(s): HD Entrekin, TR Edwards Annual Conference: 1987, Vol. 1

Paper ID: 87-6.5

Noncatalytic Ammonia Injection for NOx Reduction on a Waste Wood Fired Boiler

Author(s): GL Moilanen, KR Price, CB Smith

Annual Conference: 1987, Vol. 1

Paper ID: 87-6.6

Ozone Prediction Using Source Reconciliation of Ambient Hydrocarbons

Author(s): S Wakamatsu, I Uno, RA Wadden

Annual Conference: 1987, Vol. 4

Paper ID: 87-61.1

Ambient VOC Data Base for Receptor Models Application

Author(s): JJ Shah, E Heyerdahl, JE Core, L Cupitt

Annual Conference: 1987, Vol. 4

Paper ID: 87-61.2

High Ozone and the Corresponding Hydrocarbon Composition

Author(s): RS Viswanath, RD Randolph, WA Lonneman

Annual Conference: 1987, Vol. 4

Paper ID: 87-61.5

Source Characterization of Ambient VOC Data

Author(s): PA Scheff, WJ O'Shea, RA Wadden

Annual Conference: 1987, Vol. 4

Paper ID: 87-61.6

Relationships Between Secondary Aerosols and

Photochemical Factors in California's San Joaquin Valley

Author(s): JC Chow, JG Watson Annual Conference: 1987, Vol. 4

Paper ID: 87-61.7

A Method to Prepare Ambient Concentrations of Gas Standards for Halogenated Hydrocarbons

Author(s): J Kowalski, G Tsou, D Daymon, F Leh

Annual Conference: 1987, Vol. 4

Paper ID: 87-62.10

Toxics Monitoring with Canister-Based Systems

Author(s): WA McClenny, JD Pleil, TA Lumpkin, KD Oliver

Annual Conference: 1987, Vol. 4

Paper ID: 87-62.3

Measurement of Nitroatene Metabolities in Urine by Immunoassay

Author(s): RA Haas, JZ Liu, CV Hanson

Annual Conference: 1987, Vol. 4

Paper ID: 87-62.5

Development of a Volatile Organic Sampler for Ambient Toxic Monitoring in New York State

Author(s): GA Boynton, RM Stelle, SP House

Annual Conference: 1987, Vol. 4

Paper ID: 87-62.7

Advances in Continuous Toxic Gas Analyzers for Process and Environmental Applications

Author(s): V Dharmarjan, HJ Brouwers

Annual Conference: 1987, Vol. 4

Paper ID: 87-62.8

Verified Performance Improvements for the Sierra Model 245 Automatic Dichotomous Air Sampler

Author(s): FW Conley, FD Buckman Annual Conference: 1987, Vol. 4

Paper ID: 87-63.1

Evaluation of a New Filter Media for High Volume Sampling

Author(s): BA Foster, J Kurtz Annual Conference: 1987, Vol. 4

Paper ID: 87-63.2

PM 10 Sampling and Analysis Alternatives for Receptor Modeling

Author(s): JG Watson, JC Chow Annual Conference: 1987, Vol. 4

Paper ID: 87-63.3

Development of a Test Atmosphere Generation System for Aerosols and Vapours

Author(s): P Fellin, KA Brice, RO Otson

Annual Conference: 1987, Vol. 4

Paper ID: 87-63.4

Evaluation of an Annular Denuder Method for the Collection of Atmospheric Nitrogenous Species in the Southwest Desert

Author(s): CL Benner, DJ Eatough, NL Eatough, P Bhardwaja

Annual Conference: 1987, Vol. 4

Paper ID: 87-63.6

Development of a Portable Dual Channel Indoor Particle Sampler

Author(s): R Vijauyakumar, J Howes, F Howard

Annual Conference: 1987, Vol. 4

Paper ID: 87-63.8

Sampling and Analysis for Volatile and Semivolatile POHC During RCRA Trial Burns: Techniques and Problems

Author(s): RE Adams, JR Hass, WS Smith, T Wong

Annual Conference: 1987, Vol. 4

Paper ID: 87-64.1

Development of a Method for Determination of Methylene Chloride Emissions at Stationary Sources

Author(s): FE Butler, EA Coppedge, JC Suggs, JE Knoll, MR

Midgett, AL Sykes, MW Hartman, JL Steger

Annual Conference: 1987, Vol. 4

Paper ID: 87-64.2

Comparison of Audit Techniques and Performance Audit Results for EPA Method 25 for Volatile Organic Compounds

Author(s): RKM Jayanty, GB Howe, DJ von Lehmden, RG

Fuerst, TJ Logan, MR Midgett Annual Conference: 1987, Vol. 4

Paper ID: 87-64.4

Comparison of EPA Method 25 and Method 25A For Measurement of Volatile Organic Compounds Incinerators: A Discussion and Case

Author(s): JA Chapman

Annual Conference: 1987, Vol. 4

Paper ID: 87-64.5

Field and Laboratory Evaluation of a Woodstove Dilution Sampling System

Author(s): RG Merrill, DB Harris Annual Conference: 1987, Vol. 4

Paper ID: 87-64.7

Quality-Assurance/Quality Control Aspects of Precipitation Monitoring

Author(s): LJ Schroder, BA Malo Annual Conference: 1987, Vol. 4

Paper ID: 87-65.1

Development of Audit Devices and Materials for Source Level Air Pollution Measurement Methods

Author(s): TJ Logan, MR Midgett, RG Fuerst, WG DeWees

Annual Conference: 1987, Vol. 4

Paper ID: 87-65.5

PC-Qtrak: An Automated Tracking System for Environmental Quality Assurance Activities

Author(s): GL Johnson, JS Ford, LE Michalec

Annual Conference: 1987, Vol. 4

Paper ID: 87-65.7

Increasing Calibration Accuracy of a Gas Blending Device

Author(s): GS Moore

Annual Conference: 1987, Vol. 4

Paper ID: 87-65.8

Statistical Analysis of Concentrations of Toxic Air Pollutants in California and Louisiana

Author(s): TJ Permutt, M Moezzi, AB Hudischewskyj, CS

Burton, WF Hunt

Annual Conference: 1987, Vol. 4

Paper ID: 87-66.1

Air Quality Data Displays for General Audiences:

Mainframe Computer Graphics

Author(s): WP Freas, TC Curran Annual Conference: 1987, Vol. 4

Paper ID: 87-66.2

Application of Data Base Integration to Air Quality Planning

Author(s): SK Goranson

Annual Conference: 1987, Vol. 4

Paper ID: 87-66.4

Minimum Sampling Frequency Requirements for Sampling Toxic Pollutants Dominated by a Major Point Source

Author(s): S Dattner, J Moneysmith, R Tropp

Annual Conference: 1987, Vol. 4

Paper ID: 87-66.5

Measurements of Formaldehyde, Acetaldehyde and Peroxyacetyl Nitrate for the SCCAMP

Author(s): KK Fug, BJ Wright Annual Conference: 1987, Vol. 4

Paper ID: 87-67.1

Source Identification Obtained by Cluster Analysis Using Hydrocarbons and Halocarbons Over the Santa Barbara Channel

Author(s): ra Rasmussen, MAK Khalil Annual Conference: 1987, Vol. 4

Paper ID: 87-67.2

SCCAMP Overview

Author(s): WH Dabberdt, W Viezee, PM Roth, SD Ziman

Annual Conference: 1987, Vol. 4

Paper ID: 87-67.4

Two Dimensional Flows over the Santa Barbara Channel Measured by Dual-Doppler Radar During SCCAMP

Author(s): RA Kropfli

Annual Conference: 1987, Vol. 4

Paper ID: 87-67.5

Examination of the Underpediction Problem in California OCS Photochemical Modeling Studies: Causes and Potential Solutions

Author(s): TW Tesche

Annual Conference: 1987, Vol. 4

Paper ID: 87-67.8

Description of Quality Assurance for a Doppler Sounder for the SCCAMP

Author(s): g Ettenheim

Annual Conference: 1987, Vol. 4

Paper ID: 87-67.9

Seasonal Measurements of Aircraft Noise in a National Park

Author(s): W Bowley, LF Cohn, RA Harris

Annual Conference: 1987, Vol. 4

Paper ID: 87-69.1

An Iowa Noise Barrier: Noise Levels, Air Quality and Public Acceptance

Author(s): DK Vander Schaaf, R Ridnour, JK Lidman

Annual Conference: 1987, Vol. 4

Paper ID: 87-69.2

Rail Transit Operation and Noise

Author(s): AL Bronzaft

Annual Conference: 1987, Vol. 4

Paper ID: 87-69.3

Flame Characterization in a Single Ended Recuperactive Radiant Tube Combustion System

Author(s): SN Singh, SS Singh, TD Briselden

Annual Conference: 1987, Vol. 1

Paper ID: 87-7.1

Silica-Enhanced Sorbents from Dry Injection Removal of SO2 from Flue Gas

Author(s): W Jozewicz, JCS Chang, CB Sedman, TG Brna

Annual Conference: 1987, Vol. 1

Paper ID: 87-7.4

Laboratory Determination of the Characteristic Drag of Various Fly Ashes Collected in Utility Baghouses

Author(s): PV Bush, WB Smith, TR Snyder, FG Pohl

Annual Conference: 1987, Vol. 4

Paper ID: 87-70.1

Determination of the Phase Distribution of Semi-Volatile Organic Compounds with Diffusion Denuders

Author(s): DJ Eatough, CL Benner, LD Hansen, EA Lewis,

NL Eatough

Annual Conference: 1987, Vol. 4

Paper ID: 87-70.2

Method Development and Testing for Measurement of Source Levels of Hexavalent and Total Chromium

Author(s): DG Bivins, WG DeWees, R Segall, S Steinsberger

Annual Conference: 1987, Vol. 4

Paper ID: 87-70.4

Effects of Sampling Nozzles on the Particle Collection Characteristics of Inertial Sizing Devices

Author(s): AD Williamson, WE Farthing, TE Ward

Annual Conference: 1987, Vol. 4

Paper ID: 87-70.5

Source Composition Profiles from CCSEM

Author(s): DS Kim, PK Hopke, G Casuccio, R Lee

Annual Conference: 1987, Vol. 4

Paper ID: 87-70.7

Identification Techniques for Asbestos Fibers

Author(s): rj Cheng, DL Hershey Annual Conference: 1987, Vol. 4

Paper ID: 87-70.8

Triboelectric Technology For Particulate Emission Measurement

Author(s): WJ Averdieck Annual Conference: 1987, Vol. 4

Paper ID: 87-70.9

Development of an Objective Ozone Forecast Model for the South Coast Air Basin

Author(s): JC Cassmassi

Annual Conference: 1987, Vol. 4

Paper ID: 87-71.3

Determination of OH Rate Constant for Six Volatile Organics in Air Using the UCR Protocol

Author(s): RR Arnts, TL Seila, JJ Bufalini

Annual Conference: 1987, Vol. 4

Paper ID: 87-71.4

Comparison of Ozone Levels at Selected Mountain and Valley Sites in the Southeastern United States

Author(s): RJ Valente, WJ Parkhurst, NT Lee

Annual Conference: 1987, Vol. 4

Paper ID: 87-71.5

Progress Toward Attainment of the Ozone Standard in the new York City Metropolitan Area Airshed: Comparison of Monitoring Data and Modeling Predictions 1980-1985

Author(s): RF Kelly, KP Doering Annual Conference: 1987, Vol. 4

Paper ID: 87-71.6

An Examination of Ozone Trends in the New York, New Jersey and Connecticut Area

Author(s): DB DiMarcello, RK Kapichak

Annual Conference: 1987, Vol. 4

Paper ID: 87-71.7

Examination of the Urban Airshed Model Performance in the New York Metropolitan Area

Author(s): ST Rao, G Sistla, JY Ku, R Twaddell, R Whitby, V Pagnotti, E Davis, NC Possiel, J Pearson, K Schere, R

Dennis

Annual Conference: 1987, Vol. 4

Paper ID: 87-71.8

Advanced Chemical Mechanisms for Acid Deposition Modeling

Author(s): WR Stockwell, X Tang Annual Conference: 1987, Vol. 4

Paper ID: 87-72.1

Sulfate Production in Oil-Fired Power Plant Plumes and Subsequent Ground Level Concentrations

Author(s): JM Hathaway

Annual Conference: 1987, Vol. 4

Paper ID: 87-72.11

Mechanism of Gas Phase Oxidation of Sulfur Dioxide in the Atmosphere

Author(s): LG Anderson, PM Gates, CR Nold

Annual Conference: 1987, Vol. 4

Paper ID: 87-72.3

On the Delectability of Acid Formation in Clouds

Author(s): TJ Kelly, SE Schwartz, PH Daum

Annual Conference: 1987, Vol. 4

Paper ID: 87-72.4

Uncertainties in the Measurement of Deposition Velocities in an Urban Environment

Author(s): AW Gerthler, CF Rogers, NF Robinson, JG Watson

Annual Conference: 1987, Vol. 4

Paper ID: 87-72.5

The Role of Organic Compounds in the Kinetics of the Transition-Metal Catalyzed S(IV)-Oxidation

Author(s): ER Altwicker, J Ikeda Annual Conference: 1987, Vol. 4

Paper ID: 87-72.7

Thermodynamics, Structures and Kinetics of Transition Metal Sulfur (IV) Complexes

Author(s): MH Conklin, MR Hoffman Annual Conference: 1987, Vol. 4

Paper ID: 87-72.8

Atmospheric Highly Soluble Oxidant and SO2 by Forced Convective Condensation Collection

Author(s): JE Hoffman, GA Dawson Annual Conference: 1987, Vol. 4

Paper ID: 87-72.9

Including New Modeling Techniques in Regulatory Programs

Author(s): JA Tikvart, JL Dicke, JS Tourma

Annual Conference: 1987, Vol. 5

Paper ID: 87-73.1

Observations and Evaluations of Plume Models

Author(s): NE Bowne

Annual Conference: 1987, Vol. 5

Paper ID: 87-73.2

Applications of the Complex Terrain Dispersion Model

Author(s): RJ Paine, BA Egan, MT Mills, DG Strimaitis

Annual Conference: 1987, Vol. 5

Paper ID: 87-73.3

Testing of a New Plume Dispersion Model with the Kincaid and Bull Run Data

Author(s): SR Hanna, JC Weil, RJ Paine

Annual Conference: 1987, Vol. 5

Paper ID: 87-73.4

Evaluation of Improvements to the Plume Rise Algorithms in the ISC Model

Author(s): RL Petersen, MA Ratciff Annual Conference: 1987, Vol. 5

Paper ID: 87-73.5

Incorporation of Wet Deposition in the Industrial Source Complex Model

Author(s): CR Bowman, HV Geary, GJ Schewe

Annual Conference: 1987, Vol. 5

Paper ID: 87-73.6

An Improved Short Term Mathematical Dispersion Model

Author(s): J Bedoya, RB Jacko Annual Conference: 1987, Vol. 5

Paper ID: 87-73.7

A Purposed Treatment of Wake-Effect Downwash on Nearby Volume Sources

Author(s): EM Haynes

Annual Conference: 1987, Vol. 5

Paper ID: 87-73.8

Improved Dry Deposition Estimates for Air Toxics Risk Assessment

Author(s): TW Tesche, R Kapahi, R Honrath, W Dietrich

Annual Conference: 1987, Vol. 5

Paper ID: 87-73B.1

Three-Dimensional Advecton-Diffusion Multi-Source Model in Mesoscale Range

Author(s): l Xiagen, L Yingbo, Q Mingwei

Annual Conference: 1987, Vol. 5

Paper ID: 87-73B.10

Modeling Atmospheric Pollutant Concentrations on Elevated Work Platforms

Author(s): MN Herman, KW Steinberg, WG Hoydysh

Annual Conference: 1987, Vol. 5

Paper ID: 87-73B.3

Protocol for Improving Model Estimates by Combining Receptor Modeling and Dispersion Modeling

Author(s): TG Pace, JG Watson Annual Conference: 1987, Vol. 5

Paper ID: 87-73B.5

Uncertainty Reduction Through Use of Combined Source-Receptor Models in a PM10 Level 1 Assessment Package

Author(s): DL Freeman, JG Watson, RF Robinson, JC Chow,

rt Egani

Annual Conference: 1987, Vol. 5

Paper ID: 87-74.2

A New Method to Reduce Uncertainties of Receptor Models to Apportion PM10 To Sources

Author(s): JG Watson, TG Pace Annual Conference: 1987, Vol. 5

Paper ID: 87-74.3

A Comparison of Data Sampling Frequencies for Determination of Atmospheric Stability for PSD Monitoring Programs

Author(s): TJ Rappolt, D Friesen, D Crow

Annual Conference: 1987, Vol. 5

Paper ID: 87-74.8

Standardization on Olfactometry with Respect to Odor Pollution Control

Author(s): M Hangartner

Annual Conference: 1987, Vol. 5

Paper ID: 87-75A.1

Odors in the Community: A Case Study

Author(s): TA DeWulf, AW Haga, LJ Lund, GA Whiting

Annual Conference: 1987, Vol. 5

Paper ID: 87-75A.2

Measurement of Odor Emissions from a Sewage Treatment Plant

Author(s): MG Ruby, WH Prokop, DA Kalman

Annual Conference: 1987, Vol. 5

Paper ID: 87-75A.4

Characterization of Phenolic Odors in a Residential Neighborhood

Author(s): TR McGrath, DB Steele Annual Conference: 1987, Vol. 5

Paper ID: 87-75A.5

Solving Community Odor Problems: A General Approach

Author(s): SS Cha

Annual Conference: 1987, Vol. 5

Paper ID: 87-75A.6

Deodorization of Sulfidic Gases in Air by the Ammonia/Activated Carbon System

Author(s): A Turk, E Sakalis, J Lessuck, H Karamitsos, O

Rago

Annual Conference: 1987, Vol. 5

Paper ID: 87-75A.7

Assessment of Odor Annoyance in the Community

Author(s): M Hangartner Annual Conference: 1987, Vol. 5

Paper ID: 87-75B.3

Inter and Intra-State Odors on Staten Island

Author(s): AJ Cava, S Lieblich Annual Conference: 1987, Vol. 5

Paper ID: 87-75B.4

Enforcement Mechanisms for Resolving Community Odor Problems: A Legal Viewpoint

Author(s): LG Chaset

Annual Conference: 1987, Vol. 5

Paper ID: 87-75B.5

Unique Odor Problems and Proposed Solutions in Jacksonville, Florida

Author(s): WE Tuff

Annual Conference: 1987, Vol. 5

Paper ID: 87-75B.7

Mobile Solvent Recovery from Industrial Hazardous Wastes

Author(s): TC Keener, EJ Shoemaker Annual Conference: 1987, Vol. 5

Paper ID: 87-78.2

Controlled-Exposure Clinical Studies: Applications to Multi-Pollutant Exposure

Author(s): JD Hackney, WS Linn, EL Avol

Annual Conference: 1987, Vol. 5

Paper ID: 87-79.1

Feasibility of Field Studies of Multipollutant Interactions

Author(s): M Lippmann

Annual Conference: 1987, Vol. 5

Paper ID: 87-79.3

Exhaled Breath as an Indicator of Recent Exposure to Volatile Organic Compounds

Author(s): LA Wallace

Annual Conference: 1987, Vol. 5

Paper ID: 87-80.1

Measuring Tobacco Smoke Exposure: Clinical Applications and Passive Smoking

Author(s): DW Sepkovic, CM Axelrad, SG Colosimo, NJ

Halev

Annual Conference: 1987, Vol. 5

Paper ID: 87-80.2

Application of Pharmacokinetic Modeling to Ascertaining Biological Marker Standards

Author(s): S; Schwartz, RT Ball, NJ Balter

Annual Conference: 1987, Vol. 5

Paper ID: 87-80.5

Sources and Characteristics of Indoor Air Toxic Organics from Consumer Products

Author(s): PK TerKonda

Annual Conference: 1987, Vol. 5

Paper ID: 87-81.4

Determination of the Particulate Removal Efficiency of a Room Air Cleaner

Author(s): KJ Lucas, G Casuccio, R Kuennen, RC Roth

Annual Conference: 1987, Vol. 5

Paper ID: 87-81.5

Organic Emissions from Consumer Products to the Indoor Environment

Author(s): BA Tichenor, MA Mason Annual Conference: 1987, Vol. 5

Paper ID: 87-81.8

Ventilation Characteristics of New Unoccupied Manufactured Homes Built to the Model Conservation Standards in the Pacific Northwest

Author(s): GB Parker, SA Onisko Annual Conference: 1987, Vol. 5

Paper ID: 87-82A.1

Development of Bonneville's Ventilation Strategies for Energy-Efficient New Homes Programs

Author(s): SS Rowan

Annual Conference: 1987, Vol. 5

Paper ID: 87-82A.2

Radon and Formaldehyde Concentrations as a Function of Ventilation Rates in New Residential Buildings in the Northwest

Author(s): J Harris

Annual Conference: 1987, Vol. 5

Paper ID: 87-82A.3

Infiltration Rate Measurement by Active Perfluorocarbon Monitoring

Author(s): KT Menzies, CM Pong, MA Randel

Annual Conference: 1987, Vol. 5

Paper ID: 87-82A.5

A Five Phased Strategy for Diagnosing Air Quality and Related Ventilation Problems in Commercial/Large Buildings

Author(s): EM Sterling, CW Collett, J Meredith

Annual Conference: 1987, Vol. 5

Paper ID: 87-82A.6

Fluid Modeling Study of the Contamination of Fresh Air Intakes from Rooftop Emissions

Author(s): WG Hoydysh, LL Schulman Annual Conference: 1987, Vol. 5

Paper ID: 87-82A.9

Participant Evaluation Results for Two Indoor Air Quality Studies

Author(s): AR Hawthorne, CS Dudney, MA Cohen, JD

Spengler

Annual Conference: 1987, Vol. 5

Paper ID: 87-83.2

Compensating for Wall Effects in IAQ Chamber Tests by Mathematical Modeling

Author(s): JE Dun, BA Tichenor Annual Conference: 1987, Vol. 5

Paper ID: 87-83.4

Determination of Emission Rates and Concentration Levels of P-Dichlorobenzene from Moth Repellant

Author(s): LH Nelms, MA Mason, BA Tichenor

Annual Conference: 1987, Vol. 5

Paper ID: 87-83.6

Monitoring Radon Reduction in Clinton, New Jersey Houses

Author(s): MC Osborne, T Brennan, LD Michaels

Annual Conference: 1987, Vol. 5

Paper ID: 87-83.7

Development of a Sampling System for Surface Dust-Borne Contaminants

Author(s): MG Ruby, JW Roberts, RW Boubel, RG Lewis

Annual Conference: 1987, Vol. 5

Paper ID: 87-83.8

Analysis of Ambient Concentrations of Organic Vapors with a Passive Sampler

Author(s): HC Shields, CJ Weschler Annual Conference: 1987, Vol. 5

Paper ID: 87-83.9

Backward Levels of Chloridane and Heptachlor Found in Indoor Air of Homes Treated for Termites

Author(s): JB Louis, KC Kisselbach Annual Conference: 1987, Vol. 5

Paper ID: 87-84.3

Indoor Air Toxic Due to Underground Sources Case Studies

Author(s): MJ Barboza, LA Militana, SA Leifer

Annual Conference: 1987, Vol. 5

Paper ID: 87-84.4

The National Incinerator Testing & Evaluating Program (NITEP) Mass Burning Technology Assessment

Author(s): R Klicius, A Finkelstein, DJ Hay

Annual Conference: 1987, Vol. 6

Paper ID: 87-84.5

Exposure Assessment Methodology for Respirable Suspended Particles in the Indoor Environment

Author(s): SR DiNardi, JF Ludwig, RM Neumann

Annual Conference: 1987, Vol. 5

Paper ID: 87-84.6

Air Toxic Monitoring Study of Fire Fighter Exposure

Author(s): MJ Barboza, LM Militana Annual Conference: 1987, Vol. 5

Paper ID: 87-84A.11

Tollbooth Operator Exposure on the New Jersey Turnpike

Author(s): DW Heinold, AM Sacco, EM Insley

Annual Conference: 1987, Vol. 5

Paper ID: 87-84A.12

Concentrations and Deposition of Ionic Substances at an Urban New Jersey Site

Author(s): LA P Kelty, JD Sinclair, CJ Weschler

Annual Conference: 1987, Vol. 5

Paper ID: 87-84A.13

Control of Occupational Exposure to 1,3-Butadiene

Author(s): ER Krishnan, TK Corwin Annual Conference: 1987, Vol. 5

Paper ID: 87-84A.14

Current Data Base on Incinerator Ash Management

Author(s): A Goldin, P Veneman, G Zoto, T Feisinger

Annual Conference: 1987, Vol. 6

Paper ID: 87-84A.5

Analysis of Exhaust from Research Laboratory Buildings

Author(s): DA Hensel

Annual Conference: 1987, Vol. 5

Paper ID: 87-84A.9

Indoor Aeroallergens: Measurement and their Clinical Significance

Author(s): MN Blumenthal, BR Johnson, R Sigford, A Streifel

Annual Conference: 1987, Vol. 5

Paper ID: 87-86.1

Indoor Allergens and Acute Asthma in Adults

Author(s): TAEP Mills, PW Heymann, SM Pollart, eb

Mitchell, ML Hayden, MD Chapman Annual Conference: 1987, Vol. 5

Paper ID: 87-86.3

Review of the Effect of Relative Humidity on the Transmission of Infectious Diseases

Author(s): AV Arundel, EM Sterling Annual Conference: 1987, Vol. 5

Paper ID: 87-86.5

The Health Effects and Environmental Assessment of "Tight" Homes

Author(s): TL Steger, MC Fiore, HA Anderson, ME Ziarnik,

RK Bush, GA Dopico, LP Hanrahan, J Guzik

Annual Conference: 1987, Vol. 5

Paper ID: 87-86.6

Strategies for Indoor Air Control of Bioaerosols in Office Buildings

Author(s): DR Rask, PR Morey Annual Conference: 1987, Vol. 5

Paper ID: 87-86.7

Fungal Species Skin Tests Related to Home Environment

Author(s): SM Tarlo, A Fradkin, RS Tobin, N Stepner

Annual Conference: 1987, Vol. 5

Paper ID: 87-86.8

Determination of Regional Contributions of Atmospheric Sulfate Using V/S Ratios and Air Trajectories

Author(s): L Husain, VA Dutkiewicz, E Canelli, PP Parekh

Annual Conference: 1987, Vol. 5

Paper ID: 87-89.1

Empirical Source Receptor Relations for Sulfate in the Western U.S.

Author(s): M Oppenheimer Annual Conference: 1987, Vol. 5

Paper ID: 87-89.2

Empirical Regional Source-Receptor Relationships for Acid and Precursors in New England Determined by Elemental Tracers

Author(s): KA Rahn, Rr Heaton, DH Lowenthal

Annual Conference: 1987, Vol. 5

Paper ID: 87-89.3

Regional Contributions to Sulfate, Sulfur Dioxide, Nitrate and Precipitation Acidity in New England

Author(s): GT Wolff, PE Korsog Annual Conference: 1987, Vol. 5

Paper ID: 87-89.5

Empirical Source-Receptor Relationships for the Sudbury Smelter and TVA Utility System Source Modulations: The Influence of Meteorological Variability

Author(s): BL Niemann

Annual Conference: 1987, Vol. 5

Paper ID: 87-89.6

Composition of Submicron Dry Deposition at a Rural Site as an Indication of its Sources

Author(s): S Dharmavaram, PK Hopke Annual Conference: 1987, Vol. 5

Paper ID: 87-89.7

On the Use of Elemental Tracer for Regional Sulfate Source Apportionment

Author(s): AC Dittenhoefer, PJ Solinski Annual Conference: 1987, Vol. 5

Paper ID: 87-89.8

Acid Aerosol Transport Episodes in Toronto, Ontario

Author(s): GD Thurston, J Waldman Annual Conference: 1987, Vol. 5

Paper ID: 87-89.9

Residential Wood Combustion Emissions: The Development of a Negotiated Standard

Author(s): RD Olin

Annual Conference: 1987, Vol. 1

Paper ID: 87-8A.12

Environmental Impacts from Advanced Technology Residential Biomass Combustors

Author(s): P Burnet, G Insley Annual Conference: 1987, Vol. 1

Paper ID: 87-8A.15

Determination of Hot and Cool Burning Residential Wood Combustion Source Strengths Using Chemical Mass Balance Modeling

Author(s): JA Rau, JJ Huntzicker, MAK Khalil

Annual Conference: 1987, Vol. 1

Paper ID: 87-8A.5

Performance Characteristics of Woodstoves Under Field Conditions

Author(s): P Burnet, S Morgan Annual Conference: 1987, Vol. 1

Paper ID: 87-8B.8

Approaches and Key Issues in Controlling: Accidental Releases of Toxic Air Pollutants

Author(s): WP Gulledge

Annual Conference: 1987, Vol. 1

Paper ID: 87-9.1

The Chemical Manufactures Association Air Toxics Control Policy: Its Scope and Implementation

Author(s): PM King

Annual Conference: 1987, Vol. 1

Paper ID: 87-9.3

Dupont Company Experience with the CMA Air Toxics Policy

Author(s): RT Wevodau, WH Walsh Annual Conference: 1987, Vol. 1

Paper ID: 87-9.4

Implementation Experiences with an Air Toxics Control Program

Author(s): CD Malloch

Annual Conference: 1987, Vol. 1

Paper ID: 87-9.5

Rohm and HAAS Company Results of an Ambient Air Guidelines Program

Author(s): RF Black

Annual Conference: 1987, Vol. 1

Paper ID: 87-9.6

Long-Range Transport Model Validation Studies

Author(s): L Machta

Annual Conference: 1987, Vol. 5

Paper ID: 87-90.1

Regional Field Study Design for Evaluation of Eulerian Acidic Deposition Models

Author(s): HM Barnes, DA Hansen, M Lusis

Annual Conference: 1987, Vol. 5

Paper ID: 87-90.3

Long Range Transport Modeling for the Development of a State Nitric Oxide Emission Policy

Author(s): PJ Galvin, JY Ku, R Twaddle, G Sistla, E Davis

Annual Conference: 1987, Vol. 5

Paper ID: 87-90.5

The International Sulfur Deposition Model Evaluation (ISME)

Author(s): TL Clark, RL Dennis, S Seilkop, EC Voldner, MP

Olson, M Alvo

Annual Conference: 1987, Vol. 5

Paper ID: 87-90.6

A Computerized Quality Control Method for the Validation of Wet Deposition Laboratory Analysis

Author(s): JA Horrocks, JD Kowalski Annual Conference: 1987, Vol. 6

Paper ID: 87-91.2

A Comparison of Data Screening Techniques used in the Assessment of Precipitation Chemistry Data

Author(s): C Maxwell

Annual Conference: 1987, Vol. 6

Paper ID: 87-91.3

Further Analysis of Recent Trends in Wet Sulfate and Nitrate Concentrations and Depositions in North America: The Influence of Abnormal Precipitation Amounts

Author(s): BL Niemann Annual Conference: 1987, Vol. 6

Paper ID: 87-91.4

Quality Assurance and Data Flagging in the APIOS Networks

Author(s): NW Reid, WS Bardswick, D Green, MA Lusis

Annual Conference: 1987, Vol. 6

Paper ID: 87-91.5

Evaluation of BIAS in Wet Deposition Data from the National Atmospheric Deposition Program/National Trends Network (NADP/NTN)

Author(s): VC Bowersox, GJ Stensland, ME Peden

Annual Conference: 1987, Vol. 6

Paper ID: 87-91.6

Evaluation of Precipitation Chemistry Sitting Criteria Using Paired Stations from Northern Maine and Southeastern Texas

Author(s): RS Artz, GD Rolph Annual Conference: 1987, Vol. 6

Paper ID: 87-91.7

The Precision of Precipitation Chemistry in Measurements in the Canadian Air and Precipitation Monitoring Network (CAPMoN)

Author(s): RJ Vet, A Strois Annual Conference: 1987, Vol. 6

Paper ID: 87-91.8

Uncertainties in the Estimation of Materials Damage Due to Acid Deposition

Author(s): FW Lippert

Annual Conference: 1987, Vol. 6

Paper ID: 87-92.1

Potential Economic Impacts of Air Pollution on Stumpage and Primary Wood Product Markets in the United States

Author(s): JM Callaway, RF Darwin, RJ Nesse

Annual Conference: 1987, Vol. 6

Paper ID: 87-92.2

The Capital and Operation Costs of Installing Wet Scrubbers on Coal-Fired Utilities Impacting the East Coast

Author(s): WD Baasel

Annual Conference: 1987, Vol. 6

Paper ID: 87-92.3

Estimating Performance/Costs of Retrofitting Control Technologies at 12 Coal-Fired Power Plants

Author(s): JW Jones, TE Emmel, BA Laseke

Annual Conference: 1987, Vol. 6

Paper ID: 87-92.4

Modeling Acid Rain Reduction Strategies for New England

Author(s): JH Wilson, EH Pechan, NL Seidman

Annual Conference: 1987, Vol. 6

Paper ID: 87-92.5

Simplified Models of Acid Rain Control Costs for the Utility Sector

Author(s): MA Cushey, ES Rubin Annual Conference: 1987, Vol. 6

Paper ID: 87-92.6

Fugitive Emissions Calculation Guidelines

Author(s): JW Davenport, LJ McGregor Annual Conference: 1987, Vol. 6

Paper ID: 87-93.1

Continuous Monitoring of Ethylene Oxide Fugitive Emissions

Author(s): RL Berglund, DA Wood Annual Conference: 1987, Vol. 6

Paper ID: 87-93.2

A Review of the Performance of Plants Subject to the Benzene Fugitive Emission Rules

Author(s): BC Davis

Annual Conference: 1987, Vol. 6

Paper ID: 87-93.3

Fugitive Emissions Field Testing of Three Processes: Test Results and Conclusions

Author(s): TA Kittleman, RK Henderson, GM Volker

Annual Conference: 1987, Vol. 6

Paper ID: 87-93.5

Assumptions Underlying the Development of the "Leak/NO Leak" Fugitive Emission Factors

Author(s): RK Henderson, TA Kittleman

Annual Conference: 1987, Vol. 6

Paper ID: 87-93.6

Effectiveness of Fugitive Emission Controls

Author(s): JM Schrov

Annual Conference: 1987, Vol. 6

Paper ID: 87-93.8

Statistical Properties of Available Worldwide MSW Combustion Dioxin/Furan Emissions

Author(s): PC Siebert, DR Alston, JF Walsh, KH Jones

Annual Conference: 1987, Vol. 6

Paper ID: 87-94.1

The Current Dilemma on the Generation, Treatment and Disposal of Mixed Hazardous and Radioactive Waste

Author(s): M Axelrad, DJ Silverman Annual Conference: 1987, Vol. 6

Paper ID: 87-94.12

Hospital Incinerator Emissions, Risks & Permitting--A Case Study

Author(s): LG Doucet, J Tilly Annual Conference: 1987, Vol. 6

Paper ID: 87-94.3

Recent Air Emission Test Data from Several Waste To Energy Facilities Utilizing Martin GmbH Stoker Combustion Systems and Advanced Air Pollution Control Equipment

Author(s): JL Hahn, HPVD Fange, ra Zurleinden, jd Scholtz,

MT Turner, DB Sussman, PZ Kubin Annual Conference: 1987, Vol. 6

Paper ID: 87-94.4

Air Pollution Control Concepts for a Low-Level Radioactive Waste Incinerator

Author(s): RD Griffin

Annual Conference: 1987, Vol. 6

Paper ID: 87-94.7

Biomedical Waste Incineration

Author(s): CR Brunner

Annual Conference: 1987, Vol. 6

Paper ID: 87-94.8

A Methodology for Evaluating Potential Water Quality Impacts from Municipal Waste Combustor Emissions

Author(s): G Dawson, F Bond, G Kroutch, L Frakin, R Bruins

Annual Conference: 1987, Vol. 6

Paper ID: 87-94A.2

By-Product Disposal from MSW Incinerator Flue Gas Cleaning Systems

Author(s): JR Donnelly, E Jons Annual Conference: 1987, Vol. 6

Paper ID: 87-94A.3

Leachability of Organic and Inorganic Contaminants in Ashes from Lime-Based Air Pollution Control Devices on a Municipal Waste Incinerator

Author(s): SE Sawell, TR Bridle, TW Consable

Annual Conference: 1987, Vol. 6

Paper ID: 87-94A.4

Volatile Organic Compounds in the Ambient Air Near a Large, Regional Sewage Plant in New Jersey

Author(s): R Harkov, J Jenks, C Ruggeri Annual Conference: 1987, Vol. 6

Paper ID: 87-95.1

Improvements in Modeling Human Exposure and Risk Resulting from Potentially Toxic Air Pollutants

Author(s): AB Marinpietri, GF Laniak, RG Kellam, MG

Dusetzina

Annual Conference: 1987, Vol. 6

Paper ID: 87-95.5

Emissions of Volatile and Potentially Toxic Organic Compounds from Municipal Wastewater Treatment Plants

Author(s): RL Corsi, DPY Chang, ED Schroeder, Q Qiu

Annual Conference: 1987, Vol. 6

Paper ID: 87-95.7

Reduction of Odorous Emissions from a Hazardous Waste Landfill Site Using Biofiltration and Other Techniques

Author(s): FB Frechen, JT Kettern Annual Conference: 1987, Vol. 6

Paper ID: 87-95A.3

Identification and Control of Industrial Odorous Emissions at a Municipal Wastewater Treatment Facility

Author(s): ER Allen, HU Hartenstein, Y Yang

Annual Conference: 1987, Vol. 6

Paper ID: 87-95A.4

Modeling the Emissions of Volatile and Potentially Toxic Organic Compounds from Municipal Wastewater Treatment Plants

Author(s): RL Corsi, DPY Chang, ED Schroeder, Q Qiu

Annual Conference: 1987, Vol. 6

Paper ID: 87-95A.5

Design, Construction and Operation of Bio-Filters for Odour Control in Sewage Treatment Plants

Author(s): Dr. D Eitner, Dr.HG Gethke Annual Conference: 1987, Vol. 6

Paper ID: 87-95A.6

Author(s): A Greenberg, F Darack, Y Wangh, R Harkov, J

Louis, T Atherholt

Annual Conference: 1987, Vol. 6

Paper ID: 87-96.1

Laboratory Experiments to Assess the Importance of Photochemical Transformation During the Atmospheric Transport of Chlorinated Aromatic Pollutants

Author(s): NJ Bunce, JP Landers, JA Landshaw, JS Nakai

Annual Conference: 1987, Vol. 6

Paper ID: 87-96.2

The Formation of Dimethyl Sulfate in Power Plant Plumes

Author(s): LD Hansen, DJ Eatough, JL Cheney, NL Eatough

Annual Conference: 1987, Vol. 6

Paper ID: 87-96.3

Monitoring for PAH and Criteria Pollutants in Contra Costa County, CA 1979-1986

Author(s): P Flessel, DA Levaggi Annual Conference: 1987, Vol. 6

Paper ID: 87-96.4

Measurements of PAN, A Highly Sensitive Tracer for Photochemical Oxidant Chemistry

Author(s): JW Bottonheim, W Fricke, KA Brice

Annual Conference: 1987, Vol. 6

Paper ID: 87-96.5

Speciation of Arsenic in Ambient Aerosols Collected in Los Angeles

Author(s): ES Rabano, NT Castillo, KJ Torre, PA Solomon

Annual Conference: 1987, Vol. 6

Paper ID: 87-96.6

Risk Estimation as a Means of Prioritizing Urban Multipollutant Multisource Assessment and Mitigation Activities

Author(s): JH Southerland Annual Conference: 1987, Vol. 6

Paper ID: 87-97.2

Multiple Air Toxics Exposure and Risk Assessment in the South Coast Air Basin

Author(s): EDP Nelson, D Shikiya, CS Liu

Annual Conference: 1987, Vol. 6

Paper ID: 87-97.4

Ambient Exposures to Benzene and Toluene in Southwest Louisiana

Author(s): DM Casserly, KK O'Hara Annual Conference: 1987, Vol. 6

Paper ID: 87-98.1

Total Exposure from Contaminated Tap Water

Author(s): BL Murphy

Annual Conference: 1987, Vol. 6

Paper ID: 87-98.2

A Numerical Comparison of the Human Exposure Model and the Air Emissions Risks Assessment Model

Author(s): LB Gratt, M Dusetzina Annual Conference: 1987, Vol. 6

Paper ID: 87-98.3

Development of a Health Risk Assessment for Industrial Vapor Degreasers: Making the Emissions Fit the Allowance Risk

Author(s): HA Rose

Annual Conference: 1987, Vol. 6

Paper ID: 87-98.4

Three-Dimensional Reconstruction of the Gas Exchange Region of the Lung

Author(s): RR Mercer, JD Crapo Annual Conference: 1987, Vol. 6

Paper ID: 87-99.1

Determination of Absorbed Dose of Ozone (03) in Animals and Humans Using Stable Isotope (Oxygen-18) Tracing

Author(s): GE Hatch, M Aissa Annual Conference: 1987, Vol. 6

Paper ID: 87-99.2

Experimental Measurements of the Uptake of Ozone in RAIS and Human Subjects

Author(s): TR Gerrity, MJ Wiester Annual Conference: 1987, Vol. 6

Paper ID: 87-99.3

Modeling Ozone Absorption in the Lower Respiratory Tract

Author(s): JH Overton, FJ Miller Annual Conference: 1987, Vol. 6

Paper ID: 87-99.4

Assessment of Lung Injury Caused by Oxidant Air Pollutants Using Electronmicroscopic Morphometric Techniques

Author(s): JD Crapo, H Ying, LY Chang, RM Mercer

Annual Conference: 1987, Vol. 6

Paper ID: 87-99.5

Predicted Inhaled Particle Deposition in Growing People

Author(s): RF Phalen, MJ Oldham Annual Conference: 1987, Vol. 6

Paper ID: 87-99.6

SESSION 1P (Poster Session) Hazardous Waste Management and Air Pollution Control

Author(s): KF Brasher

Annual Conference: 1987, Vol. 1

Paper ID:

Session 2P (Poster Session) Ozone: Effects on Health and Welfare

Author(s): J Jaksch

Annual Conference: 1987, Vol. 1

Paper ID:

New Source Review Permitting Experience

Author(s): LC Hayes, MA Baviello, G Sugiyama

Annual Conference: 1986, Vol. 3

Paper ID: 84-44.2

Application of Dry Flue Gas Scrubbing to Hazardous Waste Incineration

Author(s): PJ Kroll, P Williamson Annual Conference: 1986, Vol. 1

Paper ID: 86-10.4

EPA Research on Indoor Air Quality

Author(s): WG Tucker

Annual Conference: 1986, Vol. 1

Paper ID: 86-11.5

Indoor Air Quality Research at Bonneville Power Administration

Author(s): MC Baechler, RL Love Annual Conference: 1986, Vol. 1

Paper ID: 86-11.6

Indoor Air Quality Activities of the Tennessee Valley Authority

Author(s): ME Rivers, LR Brown, ML Iwanski

Annual Conference: 1986, Vol. 1

Paper ID: 86-11.7

Exposure and Risk Assessment of Toxic Waste in a Multimedia Context

Author(s): TE McKone, DW Layton Annual Conference: 1986, Vol. 1

Paper ID: 86-12.1

Assessing Exposure to Toxic Substance from Land Disposal of Hazardous Wastes

Author(s): DJ Fingleton, H Ozkaynak, B Burbank, AM Finkel,

F Cadena

Annual Conference: 1986, Vol. 1

Paper ID: 86-12.2

Integrated Household Exposure Model for Use of Tap Water Contaminated with Volatile Organic Chemicals

Author(s): SA Foster, PC Chrostowski Annual Conference: 1986, Vol. 1

Paper ID: 86-12.3

Air Impacts of Air Stripping of Contaminated Groundwater

Author(s): JE Summerhays Annual Conference: 1986, Vol. 1

Paper ID: 86-12.4

Exposing the Exposures

Author(s): RB Adam, RL Eisenbach, NL Parker

Annual Conference: 1986, Vol. 1

Paper ID: 86-12.5

A Risk Management Framework for Coal Combustion By-Product Disposal

Author(s): D Amaral, DW North, SG Regulinski, DS Wilson

Annual Conference: 1986, Vol. 1

Paper ID: 86-12.7

Discussion on Guidelines for Exposure Assessment

Author(s): PJ Lioy

Annual Conference: 1986, Vol. 1

Paper ID: 86-13.2

A Critique and Suggested Update of the U.S., EPA Proposed Developmental Toxicity Testing Guidelines

Author(s): EM Johnson

Annual Conference: 1986, Vol. 1

Paper ID: 86-13.3

Genetic Risk Assessment

Author(s): DJ Brusick

Annual Conference: 1986, Vol. 1

Paper ID: 86-13.4

Health Risk Assessment of Chemical Mixtures

Author(s): MA Mehlman, G Witz Annual Conference: 1986, Vol. 1

Paper ID: 86-13.6

Estimating Risks Associates with Human Exposure to Carbon Tetrachloride

Author(s): LJ Zaragoza, RM Schell, WF Hunt, RE Rosensteel,

D Stackhouse, R Lucas Annual Conference: 1986, Vol. 1

Paper ID: 86-14.2

Urban Air Toxics Exposure and Risk Assessment A Modeling Approach

Author(s): CS Liu, S Yan, GE Anderson, G Lunberg

Annual Conference: 1986, Vol. 1

Paper ID: 86-14.4

A Quantitative Risk Assessment Approach for Accidental Releases of Toxic Air Pollutants from Transportation of Hazardous Substances

Author(s): R Doyle, J Lathrop Annual Conference: 1986, Vol. 1

Paper ID: 86-14.5

Air Infiltration and Building Factors: Comparison of Measurement Methods

Author(s): NL Nagda, RC Fortmann, MD Koontz, HE Rector

Annual Conference: 1986, Vol. 1

Paper ID: 86-16.1

A Comparison of the Effects of Ventilation and Other Factors for Residential Combustion Sources of Indoor Air Pollution

Author(s): PA Gerry, LL Green, DO Moses

Annual Conference: 1986, Vol. 1

Paper ID: 86-16.10

Experimental Protocol and Preliminary Results of Air Infiltration Rate Measurements in Tennessee Valley Homes

Author(s): AR Hawthorne, CS Dudney, TG Matthews, KP

Monar, JL Quillen

Annual Conference: 1986, Vol. 1

Paper ID: 86-16.2

A Comparison of Indoor Air Quality Pacific Northwest Existing and New Energy Efficient Homes

Author(s): DT Grimsrud, BH Turk, J Harrison, RJ Prill

Annual Conference: 1986, Vol. 1

Paper ID: 86-16.3

Characterization of Organic Emissions from Selected Materials in Indoor Use

Author(s): BA Tichenor, MA Mason Annual Conference: 1986, Vol. 1

Paper ID: 86-16.5

A Review of Visibility State Implementation Plans

Author(s): DH Stonefield Annual Conference: 1986, Vol. 1

Paper ID: 86-17.1

Review of Techniques for Measuring Atmospheric Extinction

Author(s): WC Malm

Annual Conference: 1986, Vol. 1

Paper ID: 86-17.2

The Scenes--Measurement of Aerosol Properties and Visual Air Quality in the Southwestern U.S.

Author(s): PK Mueller, CE McDade Annual Conference: 1986, Vol. 1

Paper ID: 86-17.3

Monitoring Visibility in the Pacific Northwest

Author(s): cj Hopper, DL Dietrich Annual Conference: 1986, Vol. 1

Paper ID: 86-17.4

Identification of Sources Important to Visibility Naturally Emitted Tracers

Author(s): RJ Farber, L Matamala Annual Conference: 1986, Vol. 1

Paper ID: 86-17.7

The Implicit Valuation of Environmental Cancer by U.S. Regulatory Agencies

Author(s): TE McKone

Annual Conference: 1986, Vol. 1

Paper ID: 86-18.1

Increased Risk: Science and Law

Author(s): LS Molton, PF Ricci Annual Conference: 1986, Vol. 1

Paper ID: 86-18.2

Valuing Risks: New Information on the Willingness to Pay for Changes in Fatal Risks

Author(s): DM Violette, LG Chestnut, A Fisher

Annual Conference: 1986, Vol. 1

Paper ID: 86-18.4

An Interim Data Base for State and Local Air Toxic Volatile Organic Chemical Measurements

Author(s): WF Hunt, RB Faoro, WP Freas, K Nelson

Annual Conference: 1986, Vol. 1

Paper ID: 86-19.1

The Use of Principle Components Biplots (PCB) for Exploring Polycyclic Aromatic Hydrocarbon Data from New Jersey

Author(s): R Harkov, S Shiboski, A Greenberg, F Darack

Annual Conference: 1986, Vol. 1

Paper ID: 86-19.3

Development of a Meteorological Index for the Assessment of Ozone Trends

Author(s): TA Sweitzer, RL Swinford Annual Conference: 1986, Vol. 1

Paper ID: 86-19.4

Application of a Simple Metrological Index of Ambient Ozone Potential to Ten Cities

Author(s): AK Pollack

Annual Conference: 1986, Vol. 1

Paper ID: 86-19.5

The Characterization of Air Quality Data for Biologiacal Assessment Purposes

Author(s): AS LeFohn, CK Jones Annual Conference: 1986, Vol. 1

Paper ID: 86-19.6

The Development of an Operations Protocol for Emission Isolation Flux Chamber Measurements on Soil Surfaces

Author(s): MR Kienbusch, WD Balfour, SJ Williamson

Annual Conference: 1986, Vol. 1

Paper ID: 86-20.1

Assessment of Fugitive Particulate Emissions from Hazardous Waste Treatment Storage and Disposal Facilities: An Overview of Survey/Sampling Efforts with

Preliminary Analytical ResultsAuthor(s): PJ Englehart, C Cowherd
Annual Conference: 1986, Vol. 1

Paper ID: 86-20.2

A Practical Methodology for Designing and Conducting Ambient Air Monitoring at Hazardous Waste Facilities

Author(s): MJ Asoian, mj Barboza, LM Militana

Annual Conference: 1986, Vol. 1

Paper ID: 86-20.4

Sampling and Preliminary Modeling of Ambient Air Volatile Organic Compound (VOC) Content Using a Bulk Air Technique

Author(s): DD Lane, R Carter, GA Marotz

Annual Conference: 1986, Vol. 1

Paper ID: 86-20.5

Hazardous Organic Emission Monitoring From a Mid-West Petroleum Refinery Land Treatment Facility

Author(s): RR Dupont, JA Reineman Annual Conference: 1986, Vol. 1

Paper ID: 86-20.6

Elemental Chemistry of Unpaved Road Surface Materials

Author(s): WR Barnard, DF Gatz, GJ Stensland

Annual Conference: 1986, Vol. 1

Paper ID: 86-21.2

Source Signatures for Fugitive Emissions from Gold Mine Tailings

Author(s): HJ Annegarn, A Zucchiatti, JPF Sellschop, JW

Nelson, AD Surridge

Annual Conference: 1986, Vol. 1

Paper ID: 86-21.3

Identification of Fugitive Emissions Compositions Target Transformation Factor Analysis of Wind-Trajectory Selected Samples

Author(s): PK Hopke, SN Chang, GE Gordon, SW

Rheingrover

Annual Conference: 1986, Vol. 1

Paper ID: 86-21.4

Methods to Characterize Area Sources for Receptor Models

Author(s): JC Chow, JG Watson, MH Naylor, MJ Smith

Annual Conference: 1986, Vol. 1

Paper ID: 86-21.5

Wind Erosion Testing by Portable Wind Tunnel at an Iron and Steel Plant

Author(s): AD Connor, TE McGuire, MS Greenfield

Annual Conference: 1986, Vol. 1

Paper ID: 86-22.1

Evaluation of the Effectiveness of Unpaved Road Dust Suppressants

Author(s): GE Muleski, C Cowherd Annual Conference: 1986, Vol. 1

Paper ID: 86-22.2

Technical Solution to Dedusting Ore and Coke Storages in Iron and Steel Plants

Author(s): D Jankovic, D Guzijan, B Grvobic

Annual Conference: 1986, Vol. 1

Paper ID: 86-22.3

The Impact of Proper Emission Capture on Steelmaking Environmental Control Costs

Author(s): M Bender

Annual Conference: 1986, Vol. 1

Paper ID: 86-22.4

Recycling of Dust from Electric Arc Furnaces-An Experimental Evaluation

Author(s): ER Krishnan, WF Kemner, F Annamraju

Annual Conference: 1986, Vol. 1

Paper ID: 86-22.5

Improvement of the Performance of Sinterplant Electrostatic Precipitators

Author(s): C Jonis, D Ramelot, J Luckers

Annual Conference: 1986, Vol. 1

Paper ID: 86-22.6

Development and Modeling of Transportation Control Scenarios for the 1987 NAPAP

Author(s): CL Saricks, AD Vyas Annual Conference: 1986, Vol. 1

Paper ID: 86-23.2

Preliminary Comparisons of RADM and Oscar Precipitation Data

Author(s): P Middleton, J Chang, R Brost

Annual Conference: 1986, Vol. 1

Paper ID: 86-23.4

Application of the Transportable Circulating Bed Combustor for the Treatment of Hazardous Waste

Author(s): WS Rickman, DL Vrable, DR Engler

Annual Conference: 1986, Vol. 1

Paper ID: 86-24.1

The Advanced Electric Reactor an Innovative Process for Hazardous Waste Treatment

Author(s): JW Boyd

Annual Conference: 1986, Vol. 1

Paper ID: 86-24.3

Operation of a Transportable Incinerator for Hazardous Waste--On-Site Testing Case Histories

Author(s): M Hill

Annual Conference: 1986, Vol. 1

Paper ID: 86-24.4

The Theory of Thermal Zone Chemistry and Its Influence on Hazardous Waste Incineration

Author(s): B Dellinger, DL Hall, JL Graham, SL Mazer, WA

Rubey, PH Taylor

Annual Conference: 1986, Vol. 1

Paper ID: 86-24.7

A Detailed Study of NBS Simulated Data Sets by Using Chemical Mass Balance Receptor Models 1: Source Selection

Author(s): MD Cheng, PK Hopke Annual Conference: 1986, Vol. 2

Paper ID: 86-25.1

Application and Evaluation of Four Regression Techniques for a Chemical Mass Balance Receptor Model

Author(s): MI Holzman, PA Scheff, MRM Yusoff

Annual Conference: 1986, Vol. 2

Paper ID: 86-25.2

Preliminary Analyses at a PM10 Sampling Site Using a Combined Source Apportionment Approach

Author(s): MK Anderson, ET Brookman

Annual Conference: 1986, Vol. 2

Paper ID: 86-25.3

Application of Receptor Modeling Methods to Extractable Organic Matter in Newark, New Jersey

Author(s): MT Morandi, PJ Lioy, JM Daisey

Annual Conference: 1986, Vol. 2

Paper ID: 86-25.4

PM10 Modeling in the South Coast Air Basin of California

Author(s): CS Liu, HA Gray, JE Grisinger, A Davidson

Annual Conference: 1986, Vol. 2

Paper ID: 86-25.5

Source Apportionment for Airborne Particulate Matter in Zurich by Chemical and Morphological Methods

Author(s): U Baltensperger

Annual Conference: 1986, Vol. 2

Paper ID: 86-25.7

Individual Particles in Atmospheric Aerosols: Unattended Microanalysis of Statistically Significant Populations Using Automated SEM

Author(s): PR Duseck, JR Anderson, JY Dea, FJ Aggett, MS

Germani, TW Shattuck

Annual Conference: 1986, Vol. 2

Paper ID: 86-26.1

Elemental Carbon and the Optical Properties of Rural Atmospheric Aerosols

Author(s): SM Japar, WW Brachaczek, RA Gorse, JM

Norbeck, WR Pierson

Annual Conference: 1986, Vol. 2

Paper ID: 86-26.3

Characteristics of Aerosols in Northern Arizona and Southern Utah

Author(s): JL Sitherland, PS Bhardwaja Annual Conference: 1986, Vol. 2

Paper ID: 86-26.4

Characterization of the Southwest Desert Aerosol

Author(s): JL Bowen, JG Watson, JC Chow

Annual Conference: 1986, Vol. 2

Paper ID: 86-26.5

Characterization of Aerosol Organics by Diffuse Reflectance FTIR

Author(s): RJ Gordon, BP Singh, EC Ellis

Annual Conference: 1986, Vol. 2

Paper ID: 86-26.6

Field Validation of the Volatile Organic Sampling Train (VOSI) Protocol

Author(s): TJ Logan, RG Fuerst, MR Midgett

Annual Conference: 1986, Vol. 2

Paper ID: 86-27.1

A Simplified Sampling an Analysis System for the Determination of Volatile Organic Compounds in Combustion Effluents

Author(s): RH James, RE Adams, LD Johnson

Annual Conference: 1986, Vol. 2

Paper ID: 86-27.2

Organic Audit Repository and Results of Performance Audits During Hazardous Waste Trial Burns and Compliance Source Tests

Author(s): RKM Jayanty, JA Sokash, CE Decker, DJV

Lehmden

Annual Conference: 1986, Vol. 2

Paper ID: 86-27.4

A Flux Chamber/Solid Sorbent Monitoring System for Use in Hazardous Emission Measurements from Land Treatment Facilities

Author(s): RR Dupont, JA Reineman Annual Conference: 1986, Vol. 2

Paper ID: 86-27.6

Hazardous Pollutants in Class 11 Landfills

Author(s): JA Wood, ML Porter Annual Conference: 1986, Vol. 2

Paper ID: 86-27.7

Extended Lifetimes for Coal-Fired Power Plants: The Implications for Air Quality Analysis and Environmental Policy

Author(s): J DeMocker, J Greenwald, P Schwengels

Annual Conference: 1986, Vol. 2

Paper ID: 86-28.3

Environmental Evaluation of Electric Generating Plant Life Extension for a Midwestern Utility

Author(s): JJ Rockow, JZ Reynolds Annual Conference: 1986, Vol. 2

Paper ID: 86-28.4

The Impact of Utility Life Extension Programs on Air Quality: A New Direction for the Acid Rain Control Debate?

Author(s): EM Trisko

Annual Conference: 1986, Vol. 2

Paper ID: 86-28.5

A Unified Wet Deposition Data Base for Eastern North America Data Screening and Calculation Procedures and Results

Author(s): MA Lusis, WH Chan, EC Voldner, RJ Vet, AR

Olsen, D Bigelow, TL Clark Annual Conference: 1986, Vol. 2

Paper ID: 86-29.1

Database Priorities Identified by Regional Modeling Studies

Author(s): P Middleton, J Chang, R Brost

Annual Conference: 1986, Vol. 2

Paper ID: 86-29.3

Data Base Priorities Identified by Regional Modeling Studies

Author(s): A Venkatram, PK Karamchandani, J Scire

Annual Conference: 1986, Vol. 2

Paper ID: 86-29.4

Effects of Gridded Precipitation Bias on Wet Deposition Predictions

Author(s): TL Clark, RL Dennis, D Palka MP Olson, EC

Voldner

Annual Conference: 1986, Vol. 2

Paper ID: 86-29.5

Conceptual Design and Chemical Data Needs for Evaluation of Regional Acidic Deposition Models

Author(s): RL Dennis, MC Dodge, SK Seilkop

Annual Conference: 1986, Vol. 2

Paper ID: 86-29.6

Development of the NAPAP Emissions Inventory to Support Applications of the Eulerian Regional Acid Deposition Model

Author(s): FM Sellars, JD Mobley Annual Conference: 1986, Vol. 2

Paper ID: 86-30.3

Development of Alkaline Emission Flux Estimates from Unpaved Roads: Problems and Data Needs for Modeling Potential Acid Rain Neutralization

Author(s): WR Barnard, GJ Stensland, DF Gatz

Annual Conference: 1986, Vol. 2

Paper ID: 86-30.4

Development of an Independent 50-State Combustion Source Fuel and Emissions Inventory for Analysis of New Energy Technologies and Acid Deposition

Author(s): MF Szabo

Annual Conference: 1986, Vol. 2

Paper ID: 86-30.5

Are Today's Speciated Hydrocarbon Inventories Sufficient for Tomorrow's Acid Deposition and Regional Oxidant Program Needs?

Author(s): WR Oliver, TW Tesche Annual Conference: 1986, Vol. 2

Paper ID: 86-30.6

Meeting Atmospheric Modeling Requirements for Utility Data

Author(s): EH Pechan, JH Wilson, KK Graves

Annual Conference: 1986, Vol. 2

Paper ID: 86-30.8

Airborne Toxics: A Growing Concern for the 80s

Author(s): AJ Buonicore Annual Conference: 1986, Vol. 2

Paper ID: 86-31.1

Incineration: Waste Management for the Eighties

Author(s): T Shen, J Reynolds, R Pezzella, L Theodore

Annual Conference: 1986, Vol. 2

Paper ID: 86-31.2

Controlling Acid Deposition by Seasonal Gas Substitution in Coal-Fired Power Plants

Author(s): D Golomb, JA Fay, GB Galeucia

Annual Conference: 1986, Vol. 2

Paper ID: 86-31.4

Application of Advanced Photochemical Models to Offshore Petroleum Resource Development

Author(s): TW Tesche, JL Haney, DR Souten

Annual Conference: 1986, Vol. 2

Paper ID: 86-31.5

An Historical Perspective of Air Pollution Chemistry

Author(s): TC Thomas

Annual Conference: 1986, Vol. 2

Paper ID: 86-31.6

Field Evaluation of a Diffusion Denuder Based Bas/Particle Sampler for Chlorinated Organic Compounds

Author(s): ND Johnson, SC Barton, GHS Thomas, DA Lane

WH Schroeder

Annual Conference: 1986, Vol. 2

Paper ID: 86-32.1

Screening Polynuclear Aromatic Pollutants in Ambient and Indoor Air by Synchronous Luminescence

Author(s): TV Dihn, GH Miller, NK Wilson

Annual Conference: 1986, Vol. 2

Paper ID: 86-32.2

Development of Immunoassays for Detection of Air Pollutants in Environmental and Clinical Samples

Author(s): RA Haas, CV Hanson, F Monteclaro

Annual Conference: 1986, Vol. 2

Paper ID: 86-32.7

Development of an Animal test System to Assess the Biological Effects of Exposure to Complex Mixtures of Air Contaminants

Author(s): VL Smith, JH Price, MS Legator

Annual Conference: 1986, Vol. 2

Paper ID: 86-32.8

Control of Major Air Pollutants in OECO Europe a Coordinated Approach: Status Report

Author(s): B Lubkert

Annual Conference: 1986, Vol. 2

Paper ID: 86-33.1

Photochemical Pollution in Lanzhow, China-A Case Study

Author(s): X Tang, J Li, Z Dong, W Wang, X Zhang, Y Zhany

Annual Conference: 1986, Vol. 2

Paper ID: 86-33.2

Air Pollution Control Program Development and Policymaking in the Republic of Korea

Author(s): BH Cho, SY Choo, SA Tamplin

Annual Conference: 1986, Vol. 2

Paper ID: 86-33.3

Air Pollution Problems and Management in Asian Countries

Author(s): P Kiravanich, S Panich, JT Middleton

Annual Conference: 1986, Vol. 2

Paper ID: 86-33.4

Difficult Problems Relate Possible Health Effects Caused by Heavy Traffic Exposure

Author(s): T Sato, H Nitta, K Maeda Annual Conference: 1986, Vol. 2

Paper ID: 86-33.5

Investigation System for Hazardous Waste Identification

Author(s): A Horvath, G Dura, K Schiefner, T Geza

Annual Conference: 1986, Vol. 2

Paper ID: 86-33.7

Impact of Pollution Source on the Environment of the Industrial Area North of Cairo

Author(s): MM Nasralla, EA Ali Annual Conference: 1986, Vol. 2

Paper ID: 86-33.8

Setting Up a Station of the WMO Global Background Air Pollution Monitoring Network in Hong Kong

Author(s): EH Koo, KK Yeung, WL Chang

Annual Conference: 1986, Vol. 2

Paper ID: 86-34.1

The Acid Rain Issue in Italy

Author(s): E Ioannilli, P Bacci Annual Conference: 1986, Vol. 2

Paper ID: 86-34.2

Preliminary Study of Acid Rain in Taipei

Author(s): FT Jeng, HR Lou, NP Chin Annual Conference: 1986, Vol. 2

Paper ID: 86-34.4

Acid Rain in Puerto Rico

Author(s): ED Osborne, RM Candelario Annual Conference: 1986, Vol. 2

Paper ID: 86-34.5

Copper Smelters: An International Transboundary Air Pollution Issue (Mexico-U.S.A.)

Author(s): H BravoA, R TorresJ Annual Conference: 1986, Vol. 2

Paper ID: 86-34.8

Effects of Exhaust Gas Recirculation and Filtration on Diesel Engine Emissions

Author(s): MSE Shobokshy Annual Conference: 1986, Vol. 2

Paper ID: 86-34.9

The U.S. Department of Energy's Role in Indoor Air Quality

Author(s): DO Moses

Annual Conference: 1986, Vol. 2

Paper ID: 86-35.10

Protecting Indoor Air Quality State Government's Role

Author(s): L Oatman

Annual Conference: 1986, Vol. 2

Paper ID: 86-35.3

Potential Liability for Indoor Pollution

Author(s): ES Davis

Annual Conference: 1986, Vol. 2

Paper ID: 86-35.4

Public Education Programs as a Non-Regulatory Approach to Controlling Indoor Air Pollution-The American Lung Association Experience

Author(s): RH White

Annual Conference: 1986, Vol. 2

Paper ID: 86-35.6

Toward a National Strategy for the Mitigation of Indoor Air Pollution

Author(s): DH Mudarri

Annual Conference: 1986, Vol. 2

Paper ID: 86-35.8

Further Development of the Regional Climatological Deposition Model on the IBM PC Lotus 1-2-3-System

Author(s): BL Niermann Annual Conference: 1986, Vol. 2

Paper ID: 86-36.1

Personal Computer Experience with Air Quality Model

Author(s): ST Thomas, A Kumar Annual Conference: 1986, Vol. 2

Paper ID: 86-36.2

A User-Friendly Screening Model for Point Source Impact Assessment

Author(s): DB Turner

Annual Conference: 1986, Vol. 2

Paper ID: 86-36.3

Development of a Microcomputer Based Model to Assess Air Pollutant Emissions from Marine Vessels

Author(s): PA Hayden, G Knatz, BM Buck

Annual Conference: 1986, Vol. 2

Paper ID: 86-36.4

Application of Distributed Control in Upgrading Existing FGD Systems

Author(s): JG Pssmore, DJ Demoret Annual Conference: 1986, Vol. 2

Paper ID: 86-36.5

Microprocessor Control as Applied to Solvent Equipment

Author(s): PJ Kearns

Annual Conference: 1986, Vol. 2

Paper ID: 86-36.6

A Multisorbent Sampler for Volatile Organic Compounds in Indoor Air

Author(s): AT Hodgson, JR Girman, J Bineenboym

Annual Conference: 1986, Vol. 2

Paper ID: 86-37.1

A Technique to Survey Indoor Halocarbon Levels using Flame-Oxidation and Condensate Analysis

Author(s): MJ Murphy, GH Stickford, DW Locklin, AK

Wensky

Annual Conference: 1986, Vol. 2

Paper ID: 86-37.2

Monitoring for Non-Occupational Exposure to Pesticides in Indoor and Personal Respiratory Air

Author(s): RG Lewis, AE Bond, TR Fitz-SIMMONS, de

Johnson, JP Hsu

Annual Conference: 1986, Vol. 2

Paper ID: 86-37.4

Environmental Tobacco Smoke Monitoring with an Atmospheric Pressure Chemical Ionization Mass Spectrometer/Mass Spectrometer Coupled to Test a Chamber

Author(s): FA Thome, DL Heavner, BJ Ingebrethsen, LW

Eudy, CR Green

Annual Conference: 1986, Vol. 2

Paper ID: 86-37.6

Wind Effect on Adsorption Rate of No Passive Sampler, Palmes Tube and Filter Badge

Author(s): Y Yanagisawa, CP Hemphill, JD Spengler, PB

Ryan

Annual Conference: 1986, Vol. 2

Paper ID: 86-37.7

A Test Chamber and Instrumentation for the Analysis of Selected Environmental Tobacco (ETS) Components

Author(s): DL Heavner, FA Thome, LW Eudy, BJ

Ingebrethsen, CR Green Annual Conference: 1986, Vol. 2

Paper ID: 86-37.9

Chamber Studies of NO2, SO2 and RSP Deposition Rates Indoors

Author(s): BP Leaderer, S Renes, P Bluyssen, HV DeLoo

Annual Conference: 1986, Vol. 2

Paper ID: 86-38.3

Studies on the Vapor-Particulate Phase Distribution of Environmental Nicotine by Selective Trapping and Detection Methods

Author(s): LW Eudy, FA Thome, DL Heavner, CR Green, BJ

Ingebrethsen

Annual Conference: 1986, Vol. 2

Paper ID: 86-38.7

Ecological Effects of Air Pollution in the Southwest

Author(s): EF Haase

Annual Conference: 1986, Vol. 3

Paper ID: 86-39.1

Spatial Variation of Summer Ozone Concentrations in the San Bernardino Mountains

Author(s): PR Miller, OC Taylor Annual Conference: 1986, Vol. 3

Paper ID: 86-39.2

A Westerner's View of Acid Rain in the Western U.S.

Author(s): JP Lodge

Annual Conference: 1986, Vol. 3

Paper ID: 86-39.4

Further Analysis of Regional Acid Deposition Source-Receptor Relationships for Smelters and Other SO2 Emission Sources in the Intermountain West

Author(s): RL Niemann

Annual Conference: 1986, Vol. 3

Paper ID: 86-39.5

Acidic Deposition Climatology of the Western United States

Author(s): GF Hoffnagle

Annual Conference: 1986, Vol. 3

Paper ID: 86-39.7

A Rotary Impactor for Size Selective Sampling of

Atmospheric Coarse Particles

Author(s): KE Noll, K Fang Annual Conference: 1986, Vol. 3

Paper ID: 86-40.2

Measurement of Sub 3.0 Size Resolved Aerosol Chemical Composition with Microorifice Uniform Deposit Impactors (MOUDI)

Author(s): PH McMurry, VA Marple Annual Conference: 1986, Vol. 3

Paper ID: 86-40.4

Particle Class Analysis for Coal-Fired Powder Plant Flyash

Author(s): DS Kim, PK Hopke, G Casuccio, R Lee

Annual Conference: 1986, Vol. 3

Paper ID: 86-40.5

The Detection and Measurement of The Activity Size Distribution of Ultrafine Particles

Author(s): LM Kulju, M Ramamurthi, PK Hopke

Annual Conference: 1986, Vol. 3

Paper ID: 86-40.6

Characterization of Ambient Aerosol Volatility with Controlled Temperature Nephelometry

Author(s): MJ Rood, DS Covert, TV Larson, AP Waggoner

Annual Conference: 1986, Vol. 3

Paper ID: 86-40.8

Technical and Economic Aspects of a Pressurized Circulating Fluidized Bed Combustion System

Author(s): SR Wysk, HM Payne, SG Drenker

Annual Conference: 1986, Vol. 3

Paper ID: 86-41.1

Status of the DOE/GEESI In-Duct Scrubbing Pilot Study

Author(s): KR Murphy, NZ Shilling, H Pennline

Annual Conference: 1986, Vol. 3

Paper ID: 86-41.4

An Example of Emergency Response Model Evaluation Studies Using The Mathew/ADPIC Models

Author(s): MH Dickerson, R Lange Annual Conference: 1986, Vol. 3

Paper ID: 86-42.1

Degadis--A Heavier-Than-Air Gas Atmospheric Dispersion Model Developed for the U.S Coast Guard

Author(s): TO Spicer, JA Havens, PA Tebeau, LE Key

Annual Conference: 1986, Vol. 3

Paper ID: 86-42.2

A Conservative Method for Estimating Gas Concentrations in Dense Gas Plumes

Author(s): JA Fay, SG Zemba Annual Conference: 1986, Vol. 3

Paper ID: 86-42.4

Aeros: A Real-Time Emergency Response System for Atmospheric Releases of Toxic Material

Author(s): JS Nasstrom, GD Greenly Annual Conference: 1986, Vol. 3

Paper ID: 86-42.5

Using Physical Scale Models to Identify and Remedy Stack Gas and Spill Dispersion Problem

Author(s): AE Davies, V Ferraro Annual Conference: 1986, Vol. 3

Paper ID: 86-42.6

Efficacy of Residential Formaldehyde Control Source Removal

Author(s): T Godish, J Rouch Annual Conference: 1986, Vol. 3

Paper ID: 86-43.1

Radon and Remedial Action in Spokane River Valley Residences

Author(s): BH Turk, RJ Prill, WJ Fisk, DT Grimsrud, BA

Moed, RG Sextro

Annual Conference: 1986, Vol. 3

Paper ID: 86-43.2

Characterization of the LTC Catalyst: Performance Against Common Air Pollutants

Author(s): MF Collins

Annual Conference: 1986, Vol. 3

Paper ID: 86-43.3

Overview of EPA's New Source Review and Prevention of Significant Deterioration Programs

Author(s): GD McCutchen, MA Trutna Annual Conference: 1986, Vol. 3

Paper ID: 86-44.1

In Search of a Bubble-Modeling and Policy Issues

Author(s): AJ Colella, JH Slack Annual Conference: 1986, Vol. 3

Paper ID: 86-44.4

An Assessment of the Use of Air Quality Guideline Models for Voc Source Review

Author(s): JL Haney, C Seigneur Annual Conference: 1986, Vol. 3

Paper ID: 86-44.5

Bact To the Future

Author(s): RJ Van Merbergen Annual Conference: 1986, Vol. 3

Paper ID: 86-44.6

Fugitive Emissions and Their Role in New Source Review

Author(s): A Khan, L Singh Annual Conference: 1986, Vol. 3

Paper ID: 86-44.8

Recovery, Recycle and Reuse of Hazardous Waste

Author(s): KE Noll, CN Haas, JW Patterson

Annual Conference: 1986, Vol. 3

Paper ID: 86-45.1

Hazardous Waste Reduction-Cornerstone of a Waste Handling Strategy

Author(s): RP Bringer

Annual Conference: 1986, Vol. 3

Paper ID: 86-45.2

A Review of Treatment Alternatives for Dioxin Wastes

Author(s): HM Freeman, RA Olexsey Annual Conference: 1986, Vol. 3

Paper ID: 86-45.4

Management Techniques for Wastes containing Corrosives, Metals and Cyandies

Author(s): NK Chung

Annual Conference: 1986, Vol. 3

Paper ID: 86-45.5

Management of Hazardous Wastes Containing Halogenated Organics

Author(s): DR Roeck, PH Anderson Annual Conference: 1986, Vol. 3

Paper ID: 86-45.6

Fixation/Stabilization Techniques for Hazardous Wastes

Author(s): SI Taub

Annual Conference: 1986, Vol. 3

Paper ID: 86-45.7

A Hazardous Waste "Road Map" An Assessment of Management and Disposal Alternatives

Author(s): GF Vajda, DH Fisher Annual Conference: 1986, Vol. 3

Paper ID: 86-45.8

The Role of Quality Assurance in the U.S. Environmental Protection Agency's Air & Energy Engineering Research Laboratory

Author(s): GL Johnson, JS Ford, S Kulkarni, F Smith

Annual Conference: 1986, Vol. 3

Paper ID: 86-46.1

A Comparative Study of Telemetric and Manual Data Acquisition Systems

Author(s): A Norris, A Okin, DA Levaggi, W Chan, B Barnes

Annual Conference: 1986, Vol. 3

Paper ID: 86-46.11

Standard Reference Photometer Network for Verification and Certification of Ozone Standards

Author(s): CF Smith, KA Rehme Annual Conference: 1986, Vol. 3

Paper ID: 86-46.2

Performance Audit of Inspection and Maintenance Calibration Gases

Author(s): RS Wright, CE Decker, WF Barnard

Annual Conference: 1986, Vol. 3

Paper ID: 86-46.4

The Benefits of External Quality Assurance for Acid Deposition Monitoring Programs

Author(s): JD Chazin

Annual Conference: 1986, Vol. 3

Paper ID: 86-46.7

Exploring Data Quality for Some Inorganic and Organic Constituents of Inhalable Particulate Matter PM 10

Author(s): R Harkov, L McGeorge, C Pietarkinen, A

Greenberg, F Darack

Annual Conference: 1986, Vol. 3

Paper ID: 86-46.8

Emission Assessment for a 160-MW Atmospheric Fluidized Bed Combustor

Author(s): D Lokey, JW Phillips, JM Castleman

Annual Conference: 1986, Vol. 3

Paper ID: 86-47.1

Performance of the Fluidized-Bed Copper Oxide Process in an Integrated Test Facility

Author(s): AR Plantz, CJ Drummond, SW Hedges, FW

Gromicko

Annual Conference: 1986, Vol. 3

Paper ID: 86-47.3

Simultaneous Control of Sulfur Dioxide and Nitric Oxide in Spray Dry Scrubbing

Author(s): R Chan, JL Casey, KH Leong, JJ Stukel

Annual Conference: 1986, Vol. 3

Paper ID: 86-47.4

Low Capital Cost, Retrofit SO2 Control Technologies for High Sulfur Coal Applications

Author(s): H Yoon, FW Theodore, FP Burke, BJ Koch, WC

Corder

Annual Conference: 1986, Vol. 3

Paper ID: 86-47.5

Statistical Design for Screening in NOx/Sox Environmental Control Technology

Author(s): RD Doctor, JBL Harkness Annual Conference: 1986, Vol. 3

Paper ID: 86-47.6

Acid Aerosol Transfer from the Ocean to the Atmospheric: A Laboratory Observation

Author(s): RJ Cheng, TT Shen Annual Conference: 1986, Vol. 3

Paper ID: 86-48.1

Regional Scale Transport of Acid Rain Precursors from a Coal-Fired Power Plant: Enhanced Transport by a Noctural Jet

Author(s): DD Reible, KB Garg Annual Conference: 1986, Vol. 3

Paper ID: 86-48.10

Simulation of the Formation of Acidic Aerosol Species n Power Plant and Smelter Plumes

Author(s): AB Hudischewskyj, C Seigneur

Annual Conference: 1986, Vol. 3

Paper ID: 86-48.2

Further Case Studies on the Impact of Mesoscale Convective Systems on Regional Ozone and Haze Distributions

Author(s): WA Lyons, RH Calby Annual Conference: 1986, Vol. 3

Paper ID: 86-48.3

Determination of Long Range Transport Potential of NOx and SOx the North-Eastern United States

Author(s): ST Thomas, A Kumar Annual Conference: 1986, Vol. 3

Paper ID: 86-48.5

Empirical Source-Receptor Analysis for Precipitation Chemistry

Author(s): FW Lippert, NL Oden, LR Dupuis

Annual Conference: 1986, Vol. 3

Paper ID: 86-48.6

Source Apportionment of Eastern U.S.-Canada Transboundary Flows of Sulfur and Nitrogen

 ${\sf Author}(s){:}\ JA\ Fay,\ D\ Golomb,\ S\ Kumar$

Annual Conference: 1986, Vol. 3

Paper ID: 86-48.8

Long Range Transport Modeling in Minnesota

Author(s): GC Pratt, DL Becker, DL Bordson, JD Thornton

Annual Conference: 1986, Vol. 3

Paper ID: 86-48.9

When is DRE Not DRE?

Author(s): W Kemner, R Mournighan Annual Conference: 1986, Vol. 3

Paper ID: 86-49.1

Design of a Specific System for Waste Solvent Combustion

Author(s): AW Driessen, BW Doyle Annual Conference: 1986, Vol. 3

Paper ID: 86-49.2

Emissions from Fluidized Bed Combustion

Author(s): RW Shedd

Annual Conference: 1986, Vol. 3

Paper ID: 86-49.5

Studies of Energy Conservation and Indoor Air Quality Sponsored by Electric Utilities

Author(s): GG Purcell, JP Harper Annual Conference: 1986, Vol. 1

Paper ID: 86-5.1

Indoor Air Quality Measurements in 38 Pacific Northwest Commercial Buildings

Author(s): BH Turk, JT Brown, KG Sobotka, DA Froehlich,

DT Grimsrud, J Harrison, KL Revzan Annual Conference: 1986, Vol. 1

Affilial Conference, 1980, Vol.

Paper ID: 86-5.3

Characterization of Indoor Exposures to Gaseous Pollutants in Twelve Houston Homes

Author(s): TH Stock, YS Kim, MT Morandi

Annual Conference: 1986, Vol. 1

Paper ID: 86-5.4

A Data Base for Microcomputers on Field Research in Indoor Air Quality

Author(s): SR Brown, L Horn, DT Grimsrud

Annual Conference: 1986, Vol. 1

Paper ID: 86-5.5

Sample Design Consideration for Indoor Air Exposure Surveys

Author(s): DT Mage, BG Cox, FW Immerman

Annual Conference: 1986, Vol. 1

Paper ID: 86-5.7

The Boston Residential No2 Characterization Study: A Evaluation of the Survey Methodology

Author(s): ML Soczek, PB Ryan, RD Treitman, JD Spengler,

JL Porter, IH Billick

Annual Conference: 1986, Vol. 1

Paper ID: 86-5.9

The National Incinerator Testing and Evaluation Program; An Assessment of A) Two-Stage Incineration B) Pilot Scale Emission Control

Author(s): DJ Hay, A Finkelstein, R Klicius, L Marentette

Annual Conference: 1986, Vol. 3

Paper ID: 86-50.1

Emission Control Technologies for Resource Recovery

Author(s): MJ Clarke

Annual Conference: 1986, Vol. 3

Paper ID: 86-50.11

Dioxin Emissions from Modern, Mass Fired, Stoker/Boilers for Use in Waste-To-Energy Risk Assessments

Author(s): JL Hahn, HPVD Fange, ra Zurleinden, jd Scholtz,

MT Turner, DB Sussman, PZ Kubin Annual Conference: 1986, Vol. 3

Paper ID: 86-50.12

Chemistry of Municipal Solid Waste Incineration

Author(s): DA Drum

Annual Conference: 1986, Vol. 3

Paper ID: 86-50.4

Layout Criteria for a Refuse Incineration Plant to Minimize the Impact on the Environment

Author(s): K Herbert, K Horch, h Otte Annual Conference: 1986, Vol. 3

Paper ID: 86-50.7

The Accumulation of "Additives" in Office Air

Author(s): CJ Weschler, HC Shields Annual Conference: 1986, Vol. 4

Paper ID: 86-52.2

Volatile Organic Emissions from Building Materials

Author(s): LS Sheldon, KW Thomas, RH Jungers

Annual Conference: 1986, Vol. 4

Paper ID: 86-52.3

Selected Organic Pollutant Emissions from Unvented Kerosene Heaters

Author(s): GW Traynor, MG Apte, HA Sokol, JC Chuang, JL

Mumford

Annual Conference: 1986, Vol. 4

Paper ID: 86-52.5

Indoor Air Pollution Source Database

Author(s): JM Crum

Annual Conference: 1986, Vol. 4

Paper ID: 86-52.6

Source Characterization and Personal Exposure to Methylene Chloride from Consumer Products

Author(s): JR Girman, AT Hodgson Annual Conference: 1986, Vol. 4

Paper ID: 86-52.7

Electrodeposition -- A Complaint Technology

Author(s): RW Stockstad Annual Conference: 1986, Vol. 4

Paper ID: 86-53.1

New Spray Booth Provides Economic Benefits While Stopping Particulate Emissions

Author(s): AC Walberg

Annual Conference: 1986, Vol. 4

Paper ID: 86-53.2

Two-Component Polyester and Polyurethane Coatings a High Solids Alternative

Author(s): JL Williams, SF Siranovich Annual Conference: 1986, Vol. 4

Paper ID: 86-53.3

Radiation Curable Coatings for 3-D Objects

Author(s): WFA Su, LC Scala, EJ Croop

Annual Conference: 1986, Vol. 4

Paper ID: 86-53.4

Pre-Treatment Prior to Painting

Author(s): JE Ziegeweid

Annual Conference: 1986, Vol. 4

Paper ID: 86-53.5

Local Agency Perspectives on Implementing State VOC Regulations

Author(s): VH Sarver

Annual Conference: 1986, Vol. 4

Paper ID: 86-54.1

Determination of Ract for Non-Traditional VOC Sources

Author(s): TW Rhoads, JE Thomas Annual Conference: 1986, Vol. 4

Paper ID: 86-54.2

Compliance for Solutions for Miscellaneous Metal Coaters

Author(s): JD Patton

Annual Conference: 1986, Vol. 4

Paper ID: 86-54.5

Development of an Emission Inventory for a Complex Manufacturing Source

Author(s): DL Krueger, LJ Sell Annual Conference: 1986, Vol. 4

Paper ID: 86-54.6

VOC Emission Controls for Can End Sealing Compounds: A Case Study

Author(s): MR Lake

Annual Conference: 1986, Vol. 4

Paper ID: 86-55.1

Compliance Problems Encountered with the Implementation of VOC RACT for Can Coating Operations--Tampa's Experience

Author(s): VS Agustin

Annual Conference: 1986, Vol. 4

Paper ID: 86-55.2

Application of Low Solvent Coatings; Factors Affecting Transfer Efficiency

Author(s): MH Kvaal

Annual Conference: 1986, Vol. 4

Paper ID: 86-55.3

Heavy-Duty Off Highway Vehicle Coating

Author(s): TW Rhoads, JE Thomas Annual Conference: 1986, Vol. 4

Paper ID: 86-55.5

The Use of Alternate Coating Technologies As a Strategy to Reduce Ozone in the South Coast Air Basin

Author(s): JP Broadbent

Annual Conference: 1986, Vol. 4

Paper ID: 86-55.6

Determining the Efficiency of a Vapor Containment or Capture System

Author(s): DW Crumpler Annual Conference: 1986, Vol. 4

Paper ID: 86-55.7

Section 123 of the Clean Air Act--Congress' Intent, EPA'S Response Likely Impact

Author(s): HV Nickel, MS Schulze Annual Conference: 1986, Vol. 4

Paper ID: 86-56.1

EPA'S Emission Balancing Policy--Development and Status

Author(s): DH Stonefield Annual Conference: 1986, Vol. 4

Paper ID: 86-56.3

Application of the Optimized Environmental Planning Program to a Hypothetical Utility Affected by Proposed Tall Stacks Regulations

Author(s): JA Brander

Annual Conference: 1986, Vol. 4

Paper ID: 86-56.4

Nearby Terrain Effects in a Good Engineering Practice Stack Height Demonstration

Author(s): J Halitsky, RL Petersen, SD Taylor, RB Lantz

Annual Conference: 1986, Vol. 4

Paper ID: 86-56.5

An Evaluation of the PM Measurement Process

Author(s): JG Watson, CF Rodgers Annual Conference: 1986, Vol. 4

Paper ID: 86-57.1

Analysis of the Sulfate and Fine Particle Components of Particulate Matter

Author(s): TG Pace

Annual Conference: 1986, Vol. 4

Paper ID: 86-57.2

Significance of Regional Source Contributions to Urban PM-10 Concentrations

Author(s): SA Batterman, JA Fay, D Golomb

Annual Conference: 1986, Vol. 4

Paper ID: 86-57.3

Illinois PM-10 Measurements: Mass and Chemical Composition

Author(s): DJ Kolaz, TA Sweitzer, DL Bomke

Annual Conference: 1986, Vol. 4

Paper ID: 86-57.4

Application of SIP Procedures to PM10 Strategy Development--A Puerto Rico Case Study

Development -- A Puerto Rico Case Stud

Author(s): J Carvitti, C Meyer, V Cam Annual Conference: 1986, Vol. 4

Paper ID: 86-57.5

Airborne Particulates Contributed by a Depressed Minnesota Freeway: Spring 1985

Author(s): P Kachelmyer, MM Pellinen Annual Conference: 1986, Vol. 4

Paper ID: 86-57.7

A Study of the Mutagenicity of Extractable Organic Matter (EOM) Subfractions and Associated Substituted Polycyclic Aromatic Hydrocarbons in Newark, New Jersey: Preliminary Findings

Author(s): R Harkov, J Louis, A Greenberg, F Darack, T

Atherholt

Annual Conference: 1986, Vol. 4

Paper ID: 86-57.8

Advanced Technology for Ambient Air Monitoring in the Republic of Korea

Author(s): TA Sweitzer

Annual Conference: 1986, Vol. 4

Paper ID: 86-58.2

Motor Vehicle Emissions Control Technology Transfer to Developing Countries

Author(s): MP Walsh

Annual Conference: 1986, Vol. 4

Paper ID: 86-58.3

Production of Refuse-Derived Fuel from Municipal Solid Waste

Author(s): LF Diaz, GM Savage, CG Golueke

Annual Conference: 1986, Vol. 4

Paper ID: 86-58.4

Yellowing Rice Leaf Caused by Ammonia Released from Refrigeration Factory

Author(s): EJ Sun, CY Chuang Annual Conference: 1986, Vol. 4

Paper ID: 86-59.2

Measurement of Traffic-Related Carbon Monoxide Air Pollution in Riyadh

Author(s): PA Koushki, KHA Dhowalia, DR Rowe

Annual Conference: 1986, Vol. 4

Paper ID: 86-59.4

Protocol for an Indoor Air Quality Monitoring Survey Conducted in Texas

Author(s): MD Koontz, RC Fortmann, NL Nagda, IH Billick

Annual Conference: 1986, Vol. 1

Paper ID: 86-6.3

Determining the Impact of Combustion Sources on Indoor Air Ouality in New York State: Study Design

Author(s): L Sheldon, B Cox, L Smith, T Hartwell, K Thomas,

J Keever, D Whitaker, J Rizzuto Annual Conference: 1986, Vol. 1

Paper ID: 86-6.4

Indoor Air Sampling and Mutagenicity Studies Related to Emissions From Unvented Coal Combustion

Author(s): JL Munford, DB Harris, K Williams, JC Chuang,

M Cooke

Annual Conference: 1986, Vol. 1

Paper ID: 86-6.5

Harvard's Indoor Air Pollution/Health Study

Author(s): JD Spengler, MP Reed, E Lebret, BH Chang, JH

Ware, FE Speizer, BG Ferris Annual Conference: 1986, Vol. 1

Paper ID: 86-6.6

Use of the Palmes Samplers for Measurement of Two-Day Average Nitrogne Dioxide Concentrations in Urban Residences

Author(s): LR Andrews, IF Goldstein Annual Conference: 1986, Vol. 1

Paper ID: 86-6.7

Nitrogen Dioxide Concentrations Inside Mobile Homes

Author(s): M Petreas, KS Liu, BH Chang, SB Hayward, K

Sexton

Annual Conference: 1986, Vol. 1

Paper ID: 86-6.8

A Seasonal Study of Personal Exposure to Co in Indoor and Outdoor Microenvironments of Honolulu

Author(s): PG Flachsbart, DE Brown Annual Conference: 1986, Vol. 1

Paper ID: 86-6.9

Implementation of the Groundwater Provisions of the 1984 Amendments to the Resource Conservation and Recovery

Act

Author(s): JD Thomas

Annual Conference: 1986, Vol. 4

Paper ID: 86-60.1

A Groundwater Assessment at an Ethylene Dichloride Plant

Author(s): JC Ledvina

Annual Conference: 1986, Vol. 4

Paper ID: 86-60.2

Chemical Manufacturers Association 1984 Hazardous Waste Survey

Author(s): JS Matey, LF Tischler Annual Conference: 1986, Vol. 4

Paper ID: 86-60.3

Technologies for Remediation of Contaminated Groundwater

Author(s): LF Tischler, DS Kocurek Annual Conference: 1986, Vol. 4

Paper ID: 86-60.6

Measurement of Hazardous Waste Incineration Destruction and Removal Efficiencies Using Sulfur Hexafluorine as a Chemical Surrogate

Author(s): WG England, TJ Rappolt, LH Teuscher, SL Kerrin,

RE Mournighan

Annual Conference: 1986, Vol. 4

Paper ID: 86-61.1

Remaining Issues Over Hazardous Waste Thermal Destruction

Author(s): ET Oppelt

Annual Conference: 1986, Vol. 4

Paper ID: 86-61.3

Health Risk Assessment for Metals Emissions from Hazardous Waste Incinerators

Author(s): CC Taylor, C Cook, GRA Holton

Annual Conference: 1986, Vol. 4

Paper ID: 86-61.4

A New Process for Emission Control and Waste Heat Recovery from a Hazardous Waste Incinerator

Author(s): JD Brady

Annual Conference: 1986, Vol. 4

Paper ID: 86-61.6

Fatigue of Olfactory Senses to Odorants Used in Natural Gas Odorization Practices

Author(s): DJ Moschandreas, DR Jones Annual Conference: 1986, Vol. 4

Paper ID: 86-62.1

Odor Regulation in the Bay Area Air Quality Management District

Author(s): GG Karels, HF Brinley, M Feldstein

Annual Conference: 1986, Vol. 4

Paper ID: 86-62.4

Odor Control and Abatement for a Sludge Composing Facility

Author(s): PW Fisher, H Wang, C Wilber

Annual Conference: 1986, Vol. 4

Paper ID: 86-62.6

Economic Analysis of Regulatory Impacts: Lessons from Regulations for VOC Emissions from Paper Coating

Author(s): JB Braden, LR Babcock, WJ Franek

Annual Conference: 1986, Vol. 4

Paper ID: 86-63.1

The Deterrence Effect of Delayed Compliance Penalties

Author(s): CR Marshall

Annual Conference: 1986, Vol. 4

Paper ID: 86-63.2

Integrated Air Pollution Control System--Version 11 A Computerized Design, Performance and Cost Estimating Simulation Model

Author(s): BA Laske, PJ Palmisano Annual Conference: 1986, Vol. 4

Paper ID: 86-63.3

FGD Operation and Maintenance Costs: A Function of First Cost--Or Is It?

Author(s): CD Gaige, ST Smith, VL Kunzweiler

Annual Conference: 1986, Vol. 4

Paper ID: 86-63.4

Estimating the Value of Resources at Risk from Acid Deposition

Author(s): MG Ruby

Annual Conference: 1986, Vol. 4

Paper ID: 86-63.6

Estimating of Process Change for Industrial Pollution Abatement

Author(s): DW Martin, JB Braden, LJ Carlson

Annual Conference: 1986, Vol. 4

Paper ID: 86-63.7

Choosing an Exposure metric for Investigating Acute Pulmonary Function Effects of Air Pollution

Author(s): PL Kinney, H Ozkaynak, B Burbank

Annual Conference: 1986, Vol. 4

Paper ID: 86-66.1

Estimation of Population Exposure to Ozone

Author(s): RA Paul, T McCurdy Annual Conference: 1986, Vol. 4

Paper ID: 86-66.2

Assessment of Exposures and the Development of a Health-Based Air Quality/Visibility Index

Author(s): B Burbank, H Ozkaynak, JD Spengler

Annual Conference: 1986, Vol. 4

Paper ID: 86-66.3

Estimating Risk from Measured Exposures to Six Suspected Carcinogens in Personal Ar and Drinking Water in 600 U.S. Residents

Author(s): LA Wallace

Annual Conference: 1986, Vol. 4

Paper ID: 86-66.4

Integration of EPA Guideline Air Quality Models with Human Exposure/Risk Estimation Procedures

Author(s): GJ Schewe, J Carvitti, J Vilten

Annual Conference: 1986, Vol. 4

Paper ID: 86-66.5

Post-Application Pesticide Volatilization and Transport

Author(s): RL Corsi, PD Allen Annual Conference: 1986, Vol. 4

Paper ID: 86-66.6

Design Strategies for Epidemiologic Studies of Environmental Impacts on Health

Author(s): IF Goldstein

Annual Conference: 1986, Vol. 4

Paper ID: 86-67.1

Characterization of Indoor Microenvironmental Exposures to Respirable Particulate Matter

Author(s): MT Morandi, TH Stock, CF Contant

Annual Conference: 1986, Vol. 4

Paper ID: 86-67.2

Relationship Between Symptom Severity and Residential Formaldehyde Concentrations

Author(s): T Fodish, T Zollinger, V Konopinski

Annual Conference: 1986, Vol. 4

Paper ID: 86-67.4

Dose-Response Effects of UFFI

Author(s): TD Sterling, A Arundel, CW Collett, AJ Nantel

Annual Conference: 1986, Vol. 4

Paper ID: 86-67.5

The Design Considerations for Ozone and Acid Aerosol Exposure and Health Investigations; The Fairview Lake Summer Camp-Photochemical

Author(s): PJ Lioy, D Spector, G Thurston, K Citak, M

Lippman, N Bock, C Hayes Annual Conference: 1986, Vol. 4

Paper ID: 86-67.6

Estimation of Formaldehyde Exposure for Mobile Home Residents

Author(s): KS Liu, SB Hayward, G Kulasingam, BH Chang, K

Sexton

Annual Conference: 1986, Vol. 5

Paper ID: 86-68.1

Cluster Analysis of Indoor and Outdoor Elemental Aerosol Data: Structural Interpretation and Implication for Health Effects

Author(s): SM McCarthy, SD Colome, RL Newcomb

Annual Conference: 1986, Vol. 5

Paper ID: 86-68.2

Peak Exposure to Nitrogen Dioxide and Study Design to Detect Their Acute Health Effects

Author(s): TF Goldstein, LR Andrews Annual Conference: 1986, Vol. 5

Paper ID: 86-68.4

Gas and Particle Phase Nicotine in Environmental Tobacco Smoke

Author(s): DJ Eatough, C Benner, RL Mooney, D

Bartholomew, DS Steiner, LD Hansen, JD Lamb, EA Lewis,

NL Eatough

Annual Conference: 1986, Vol. 5

Paper ID: 86-68.5

Personal Size Separating Impactor for Sampling Microbiological Aerosols

Author(s): JM Macher, HC Hansson Annual Conference: 1986, Vol. 5

Paper ID: 86-68.6

Estimating Concentrations and Health Risks of Nitrogen Dioxide in Residences

Author(s): TA King, LL Green, DO Moses

Annual Conference: 1986, Vol. 5

Paper ID: 86-68.7

Results of a Mailed Questionnaire Study on the Health Effects of UFFI

Author(s): A Arundel, TD Sterling, CW Collett, AJ Nantel

Annual Conference: 1986, Vol. 5

Paper ID: 86-68.8

Liability for Toxic Air Emissions from Hazardous Waste Activity

Author(s): in Cahan, JF Warchall, BS Carhart

Annual Conference: 1986, Vol. 5

Paper ID: 86-69.1

Economic Valuation of Ground Water Damages

Author(s): TJ Glauthier

Annual Conference: 1986, Vol. 5

Paper ID: 86-69.2

An Assessment of the Congressionally Imposed Pollution Insurance Crisis

Author(s): JL Kimble

Annual Conference: 1986, Vol. 5

Paper ID: 86-69.3

A Comprehensive Approach to Environmental "Exposure" Evaluation Combining Concerns of Both Insurors and Insured

Author(s): MA Smith, RS Krouse Annual Conference: 1986, Vol. 5

Paper ID: 86-69.5

Captive Insurance Companies and Management of Environmental Risks

Author(s): RD Feldman, DA Rowley Annual Conference: 1986, Vol. 5

Paper ID: 86-69.6

Management Systems for Minimizing Environmental Liability

Author(s): J Wilkenfeld

Annual Conference: 1986, Vol. 5

Paper ID: 86-69.7

Migration Factors for Particulates Entering the Indoor Environment

Author(s): BL Murphy, JE Yocum Annual Conference: 1986, Vol. 1

Paper ID: 86-7.2

Entry and Dissipation Rates of VOCs for Residences with Basements

Author(s): DLEichler, JH Mackey, SF Niblock, AF Weston

Annual Conference: 1986, Vol. 1

Paper ID: 86-7.3

Sequential Box Models for Indoor Air Quality: Application to Airliner Clean Cabin Air Quality

Author(s): PB Ryan, JD Spengler, PF Halfpenny

Annual Conference: 1986, Vol. 1

Paper ID: 86-7.4

Development and Application of a Multivariate Model for Identifying Sources of Indoor Aerosol

Author(s): SM McCarthy, RL Newcomb, SD Colome

Annual Conference: 1986, Vol. 1

Paper ID: 86-7.5

The Potential of Receptor Models to Apportion Indoor Air Pollution to Sources

Author(s): JG Watson, JC Chow Annual Conference: 1986, Vol. 1

Paper ID: 86-7.6

Determinants of Formaldehyde Concentrations Inside **Mobile Homes**

Author(s): KS Liu, SB Hayward, M Petreas, L Webber, K

Sexton, BH Chang

Annual Conference: 1986, Vol. 1

Paper ID: 86-7.7

Comparison of Alternative Technologies for SO2 Containment at the INCO Nickel Smelter at Thompson, Manitoba

Author(s): L Buffa, WC Ferguson, WR Snelgrove

Annual Conference: 1986, Vol. 5

Paper ID: 86-70.1

Fluoride Emissions from Aluminum Smelters Covered by New Source Performance Standards

Author(s): BL Clark, RF Kohm, RC Dickie, RE Hurt, C

Givens

Annual Conference: 1986, Vol. 5

Paper ID: 86-70.2

Regulation of the Management of Spent Linings from the Aluminum Reduction Industry

Author(s): JH Goldman, RH Carwile, RL Harris

Annual Conference: 1986, Vol. 5

Paper ID: 86-70.3

Treatment and Disposal of Strongly Acidic Waste Generated from the Production of Titanium

Author(s): M Small, JM Partridge, ES Suvoski, P Gandrud

Annual Conference: 1986, Vol. 5

Paper ID: 86-70.5

Use of Critical in Gas Sampling Trains for Volume and Rate Measurements

Author(s): CB Sorrell

Annual Conference: 1986, Vol. 5

Paper ID: 86-71.1

Source Surveillance of Visible Emissions

Author(s): AT Creekmore

Annual Conference: 1986, Vol. 5

Paper ID: 86-71.2

A New Instrument for Measuring Water Vapor Concentration

Author(s): DA Dec

Annual Conference: 1986, Vol. 5

Paper ID: 86-71.4

Moisture Determination Reconsidered

Author(s): WS Smith

Annual Conference: 1986, Vol. 5

Paper ID: 86-71.5

History and General Background for Standards for Non-Criteria Pollutants

Author(s): AC Stern

Annual Conference: 1986, Vol. 5

Paper ID: 86-72.1

Present Applications of the TLV Approach to Setting State Guidelines and Standards: Consistencies and Problems

Author(s): J Held, R Harkov Annual Conference: 1986, Vol. 5

Paper ID: 86-72.3

Technical Information Needed in Addition to Present TLV Documentation for Application in Community Air **Standard Setting**

Author(s): BO Stuart

Annual Conference: 1986, Vol. 5

Paper ID: 86-72.4

The Merits of Quantitative RIXK Assessment vs. TLV Approaches to Non-Criteria Pollutants Standards

Author(s): SP Hut, JB Batchelder, SV Dawson

Annual Conference: 1986, Vol. 5

Paper ID: 86-72.5

International Approaches to Developing Standards for Non-Criteria Pollutants

Author(s): SD Lee, J Kawecki Annual Conference: 1986, Vol. 5

Paper ID: 86-72.6

Application of Returning for NOx Control to Coal and Oil Fired Furnaces

Author(s): JM McCarthy, SL Chen, WR Seeker

Annual Conference: 1986, Vol. 5

Paper ID: 86-73.1

Entrained Flow Flash Gasification for Waste Wood Utilization

Author(s): MF Lehner

Annual Conference: 1986, Vol. 5

Paper ID: 86-73.3

Fluidized Slurry Wet Scrubbing Technologies

Author(s): KC Schifftner

Annual Conference: 1986, Vol. 5

Paper ID: 86-73.4

Nitric Oxide Reduction in Kilns and Heaters by Fuel/Air Staging

Author(s): SC Hunter, RJ Yang, RE Hall

Annual Conference: 1986, Vol. 5

Paper ID: 86-73.5

Summary of Recent Regulatory To Reduce Residential Wood **Burning Emissions**

Author(s): RL Gay

Annual Conference: 1986, Vol. 5

Paper ID: 86-74.1

A Study Design for Characterization of Residential Wood Combustion Impacts in Suburban Settings; A Case Study: Fort Collins, Colorado

Author(s): DH Gebhart, SR Andersen Annual Conference: 1986, Vol. 5

Paper ID: 86-74.3

Major Studies and Preliminary Findings on Woodstove Performance in 91 Homes in Oregon, New York, and Vermont

Author(s): N Edmisten, CA Simons, P Tiegs, PG Fox, GC

Insley, S Morgan, D Rinebolt Annual Conference: 1986, Vol. 5

Paper ID: 86-74.4

Performance Characteristics of Oregon Certified Woodstoves

Author(s): RJ Lebens, ML Hough Annual Conference: 1986, Vol. 5

Paper ID: 86-74.6

Integrated Air Cancer Project Source Measurement

Author(s): KE Leese, RC McCrillis Annual Conference: 1986, Vol. 5

Paper ID: 86-74.7

Comparison Between MM5, OM7 and Draft ASTM Measurements of Wood Stove Emissions

Author(s): RC McCrillis, RG Merrill, PR Westlin, GE Weant,

DE Wagoner

Annual Conference: 1986, Vol. 5

Paper ID: 86-74.8

Effects of Thermal Stress on Catalytic Combustor **Performance**

Author(s): MS Fisher, PE Fiegs, PG Burnet, K Ishihara

Annual Conference: 1986, Vol. 5

Paper ID: 86-74.9

Evaluation of Methods for Leak Detection in Underground Storage Tanks and Connected Piping

Author(s): BM Eklund

Annual Conference: 1986, Vol. 5

Paper ID: 86-75.3

Technical Approach and Sampling Techniques Used to Detect and Map Subsurface Hydrocarbon Contamination

Author(s): CE Scmidt, R Vandervort, WD Balfour

Annual Conference: 1986, Vol. 5

Paper ID: 86-75.4

Regulation of Underground Storage Tanks in Minnesota

Author(s): JN Holck, TP Clark Annual Conference: 1986, Vol. 5

Paper ID: 86-75.5

Case History-Leaking Underground Gasoline Tank and Vapor Problems

Author(s): DJ Hermannn, PA Tarvin Annual Conference: 1986, Vol. 5

Paper ID: 86-75.6

Consideration in Compiling Air Toxics Emissions Inventories

Author(s): TF Lahre

Annual Conference: 1986, Vol. 5

Paper ID: 86-76.1

A Comprehensive Exposure Assessment for Air Toxics in Southwest Chicago

Author(s): JE Summerhays Annual Conference: 1986, Vol. 5

Paper ID: 86-76.2

Physical Processes in the Release and dispersion of Toxic Air Contaminants

Author(s): RJ Paine, JE Pleim, DW Heinhold, BA Egan

Annual Conference: 1986, Vol. 5

Paper ID: 86-76.3

Air toxics Impacts from Resources Recovery Projects: A Comparison of Health Risk Assessment Methodologies and **Emission Factors**

Author(s): JD Rouge, J Lowe Annual Conference: 1986, Vol. 5

Paper ID: 86-76.4

The Role of the Atmosphere in Determining the Ultimate Fate of Toxic

Author(s): WH Schroeder, DA Lane Annual Conference: 1986, Vol. 5

Paper ID: 86-77.1

The Influence of Temperature on the Daytime PAH Decay on Atmospheric Soot Particles

Author(s): RM Kamens, Z Guo, J Fulcher, D Bell

Annual Conference: 1986, Vol. 5

Paper ID: 86-77.2

Rates and Products of Reaction of Benzo(A)Pyrene Adsorbed on Various Particles

Author(s): JM Daisey, PM Boone Annual Conference: 1986, Vol. 5

Paper ID: 86-77.3

Photoreaction of Wood Smoke Particles: Destruction and Creation of Mutagens in Sunlight

Author(s): DA Bell, RM Kamens, LD Claxton, J Lewtas

Annual Conference: 1986, Vol. 5

Paper ID: 86-77.4

A Refinement of the Potassium Tracer Method for Residential Wood Smoke

Author(s): JW Buchanan, S Li, C Calloway

Annual Conference: 1986, Vol. 5

Paper ID: 86-77.6

Development of California's Reasonable Extra Efforts program for Motor Vehicles

Author(s): PL Heirigs, R Susnowitz Annual Conference: 1986, Vol. 5

Paper ID: 86-78.3

An Analysis of the Cost of Particulate Trap Oxidizer Systems for Heavy-Duty Diesel Vehicles

Author(s): J Rajan, MK Singh, DO Moses

Annual Conference: 1986, Vol. 5

Paper ID: 86-78.5

Review of Heavy-Duty Emissions Control

Author(s): CS Weaver

Annual Conference: 1986, Vol. 5

Paper ID: 86-78.6

Evaluation of the Ventilation System in the Lowry Hill Tunnel

Author(s): NE Mellem, RD Cady Annual Conference: 1986, Vol. 5

Paper ID: 86-78.7

IS I/M Needed for CO Attainment?

Author(s): GJ Schewe

Annual Conference: 1986, Vol. 5

Paper ID: 86-79.1

Performance Comparison of Mobile Source Air Quality Models

Author(s): DJ Wackter, PM Bodner, TN Braverman

Annual Conference: 1986, Vol. 5

Paper ID: 86-79.2

Attainment of Carbon Monoxide Standards in Denver: The Modeling Approach and Control Scenarios

Author(s): FA Rogers, AL Dresser, RW Graves, SH Arnold

Annual Conference: 1986, Vol. 5

Paper ID: 86-79.3

Test of a Theoretical Commuter Exposure Model to Vehicle Exhaust in Traffic

Author(s): PG Flachsbart, CA Yo Annual Conference: 1986, Vol. 5

Paper ID: 86-79.4

Recent Development in Air Pollution Models the Urban Street Canyon

Author(s): RJ Yamartino

Annual Conference: 1986, Vol. 5

Paper ID: 86-79.5

An Ozone Modeling Analysis of Mobile Source Evaporative Emissions Reductions

Author(s): HW Balentine, S Kishan, R Klausmeier

Annual Conference: 1986, Vol. 5

Paper ID: 86-79.6

Results of Recent Non-Methane Hydrocarbon Measurements

Author(s): K Baugues

Annual Conference: 1986, Vol. 5

Paper ID: 86-79.7

Use of Dynamic Meteorological Models as Input to Photochemical Dispersion Models

Author(s): TW Tesche, TC Meyers, GE Moore

Annual Conference: 1986, Vol. 1

Paper ID: 86-8.1

The Complex Terrain Dispersion Model

Author(s): DG Strimaitis, DC DiCristofaro, TF Lavery

Annual Conference: 1986, Vol. 1

Paper ID: 86-8.2

Numerical Studies of Thermally and Mechanically Forced Circulations Over Complex Terrain

Author(s): RW Arritt, RA Pielke, RT McNider, D Henderson

Annual Conference: 1986, Vol. 1

Paper ID: 86-8.3

Results of Additional Evaluation of the Rough Terrain Diffusion Model (RTDM)

Author(s): RJ Paine, BA Egan Annual Conference: 1986, Vol. 1

Paper ID: 86-8.4

Construction and Validation of a Meso/Mircoscale Meteorological Model

Author(s): MD Williams, RM Cionco, WD Ohmstede

Annual Conference: 1986, Vol. 1

Paper ID: 86-8.5

A New Mexico Gaussian Puff Model for Estimating Concentrations in Complex Terrain

Author(s): RJ Ball

Annual Conference: 1986, Vol. 1

Paper ID: 86-8.6

Tracer Study of Offshore Plumes Transported into Costal Complex Terrain

Author(s): TC Spangler, VC Johnson Annual Conference: 1986, Vol. 1

Paper ID: 86-8.8

Passive Smoking Mortality A Review and Preliminary Assessment

Author(s): AJ Wels

Annual Conference: 1986, Vol. 5

Paper ID: 86-80.6

Patterns of Exposure to Environmental Tobacco Smoke in a Group of Hospitalized Patients

Author(s): GC Kabat, EL Wynder Annual Conference: 1986, Vol. 5

Paper ID: 86-80.7

Indoor Air Pollution Due to Cigarette Smoking

Author(s): FT Jeng, JH Tsai Annual Conference: 1986, Vol. 5

Paper ID: 86-80.8

Casual Relationship Between Environmental Tobacco Smoke and Lung Cancer in Non-Smokers: A Critical Review of the Literature

Author(s): NJ Balter, SL Schwartz, SJ Kilpatrick, P Witorsch

Annual Conference: 1986, Vol. 5

Paper ID: 86-80.9

Continuous Monitoring Method in the Neutralization Rate Analysis of Polonium-218

Author(s): KD Chu, PK Hopke Annual Conference: 1986, Vol. 6

Paper ID: 86-81.10

Radon Control for Residential Indoor Air

Author(s): LL Green, PL Jacobsen, DO Moses

Annual Conference: 1986, Vol. 6

Paper ID: 86-81.5

Radon Levels in Houses with Controlled Ventilation

Author(s): DA Figley

Annual Conference: 1986, Vol. 6

Paper ID: 86-81.6

Radon and Air Infiltration: Instrumentation Evaluation and Field Surveys for the R-2000 Super Energy Efficient Program

Author(s): P Piersol, M Riley, M Lubin Annual Conference: 1986, Vol. 6

Paper ID: 86-81.7

Optimal Parameters for the Absorption of Radon on Charcoal

Author(s): R Bocanegra, PK Hopke Annual Conference: 1986, Vol. 6

Paper ID: 86-81.8

Control Technology for MSW Incinerator Applications

Author(s): RW McIlvaine Annual Conference: 1986, Vol. 6

Paper ID: 86-82.1

Equipment Design Considerations for the Control of Emissions from Waste-To-Energy Facilities

Author(s): WB Ferguson, DC Borio, DL Bump

Annual Conference: 1986, Vol. 6

Paper ID: 86-82.4

Design Considerations for Resource Recovery Spray Dryer Absorption Systems

Author(s): JR Donnelly, MT Quach, JT Moller

Annual Conference: 1986, Vol. 6

Paper ID: 86-82.5

Evaluation of Air Pollution Abatement Systems for Multiple-Hearth Sewage Sludge Incinerators

Author(s): G Annamraju, RW Gerstle, YM Shah, ML Arora

Annual Conference: 1986, Vol. 6

Paper ID: 86-83.2

Effect of Mechanical Cyclone Addition on the Performance of an Undersized Electrostatic Precipitator

Author(s): HM Davenport, WE Powers Annual Conference: 1986, Vol. 6

Paper ID: 86-83.3

Fugitive Dust Control Studies Using Scale Models and Mass Loss Estimates

Author(s): MF Lepage, AE Davies, CJ Williams

Annual Conference: 1986, Vol. 6

Paper ID: 86-83.5

AMPUS Ambient Air Monitoring Program in Urbana-Champaign: Stage 11

Author(s): S Dharmavaram, PK Hopke, WW Pirkle

Annual Conference: 1986, Vol. 6

Paper ID: 86-83.6

Removing Regulatory Barriers to Innovation in Air Pollution Control

Author(s): JT Schakenbach, JD Foster Annual Conference: 1986, Vol. 6

Paper ID: 86-84.1

An Innovative SO2 Control Strategy Case History

Author(s): PW Fisher, JH Christiansen, JP Hensel

Annual Conference: 1986, Vol. 6

Paper ID: 86-84.2

Tax and Financial Implications of ERC Leasing by Electric Utilities in Illinois

Author(s): JK Raufer, EC Bodner, JA Jaksch

Annual Conference: 1986, Vol. 6

Paper ID: 86-84.3

The Distribution of Materials in Place

Author(s): ML Daum, FW Lipfert, NL Oden

Annual Conference: 1986, Vol. 6

Paper ID: 86-85.1

A Comparison of Materials on Single Family Houses in Three Cities for Estimating Quantities of Material Exposed to Air Pollution

Author(s): MA Atwater, JE Yocom, DR Murray

Annual Conference: 1986, Vol. 6

Paper ID: 86-85.10

Air Quality Modeling for Materials Damage Assessment

Author(s): LR Dupuis, FW Lipfert, JW Schaedler

Annual Conference: 1986, Vol. 6

Paper ID: 86-85.2

Comparison of Materials Damage Functions as Derived from Field and Chamber Experiments

Author(s): FH Haynie, FW Lipfert Annual Conference: 1986, Vol. 6

Paper ID: 86-85.3

Economic Evaluation of Materials Damage Associated with Acid Deposition

Author(s): RL Horst, FW Lipfert, TJ Lareau

Annual Conference: 1986, Vol. 6

Paper ID: 86-85.4

Materials Damage, Acid Deposition and the NAPAP

Assessment

Author(s): RA Bradley

Annual Conference: 1986, Vol. 6

Paper ID: 86-85.5

Evaluation of Air Quality for Materials Damage Assessment

Author(s): RJ Londergan

Annual Conference: 1986, Vol. 6

Paper ID: 86-85.6

Critique of the Carbonate Mass Loss Model for Paint Damage Functions

Author(s): RA Livingston

Annual Conference: 1986, Vol. 6

Paper ID: 86-85.7

A Critical Perspective on NAPAP'S Methodology for Materials Damage Assessment

Author(s): TJ Glauthier, MW Mayer Annual Conference: 1986, Vol. 6

Paper ID: 86-85.8

Assessment of the Costs of Materials Damage from Air Pollution in Los Angeles, California

Author(s): DR Murray, MA Atwater, JE Yocom

Annual Conference: 1986, Vol. 6

Paper ID: 86-85.9

Site Selection Process for a Hazardous Waste Incinerator in Southern California an Air Pollution Perspective

Author(s): AK Stazer, D Shikiya, J Broadbent, Stacy

Kamibayashi

Annual Conference: 1986, Vol. 6

Paper ID: 86-86.3

Siting a Special Waste Treatment Facility in Alberta

Author(s): JM Cook, KJ Simpson Annual Conference: 1986, Vol. 6

Paper ID: 86-86.7

Co-Firing Hazardous Waste Fuels in Industrial Processes-The Business Decision

Author(s): DJ Henz

Annual Conference: 1986, Vol. 6

Paper ID: 86-86.8

Current Methods of Management Industrial Waste in Mexico

Author(s): H BravoA, R TorresJ Annual Conference: 1986, Vol. 6

Paper ID: 86-87.1

Environmental Regulation in Developing Countries A Comparison of Turkey and Saudi Arabia

Author(s): BM Haddad

Annual Conference: 1986, Vol. 6

Paper ID: 86-87.2

Ocean Incineration: The European Experience

 ${\sf Author}(s){:}\; GV\; Velde, E\; God, GP\; Nassos$

Annual Conference: 1986, Vol. 6

Paper ID: 86-87.4

Managing Industrial Waste in Oland

Author(s): L Sieja, J Grabowski Annual Conference: 1986, Vol. 6

Paper ID: 86-87.5

Joy/Niro Control Technology for Hazardous Waste Incinerators

Author(s): JR Donnelly, SK Hansen, MT Quach

Annual Conference: 1986, Vol. 6

Paper ID: 86-87.6

Treatment and Disposal of Hazardous Wastes in the Federal Republic of Germany

Author(s): P Schoner

Annual Conference: 1986, Vol. 6

Paper ID: 86-87.8

Coal-Tar Contamination Investigation Utica, New York

Author(s): RW Kippel, AF Diefendorf, TA Barba, FL

Sciortiono

Annual Conference: 1986, Vol. 6

Paper ID: 86-88.1

Constant Speed Thickner Underflow Pumps--The Overlooked Cause of Many FGD Waste

Treatment/Disposal Operational Problems

Author(s): RM Klemovich, CV Weiert Annual Conference: 1986, Vol. 6

Paper ID: 86-88.2

Non-Sodium Process for Removal of PCBS From

Contaminated Transformer Oil

Author(s): CP Adams, RL Peterson Annual Conference: 1986, Vol. 6

Paper ID: 86-88.4

Brandon Woods Energy Business Park Structural Fly Ash

Author(s): DW Parks, JR Lodge Annual Conference: 1986, Vol. 6

Paper ID: 86-88.6

Characteristics Affecting Design Considerations for Waste Management Systems for Advanced S02 Control Technologies

Author(s): AG Eklund, M Stewart, DM Golden

Annual Conference: 1986, Vol. 6

Paper ID: 86-88.7

Establishing and Enforcing an Emissions Cap

Author(s): JF Olson

Annual Conference: 1986, Vol. 6

Paper ID: 86-89.3

Coordinating State and Federal Enforcement Under the Clean Air Act

Author(s): MS Alushin

Annual Conference: 1986, Vol. 6

Paper ID: 86-89-1

Global /Energy and Future CO2 Emissions: The State of the

Author(s): JA Edmonds, JM Reilly Annual Conference: 1986, Vol. 1

Paper ID: 86-9.1

A New Method of CO2 Recovery

Author(s): AM Wolsky

Annual Conference: 1986, Vol. 1

Paper ID: 86-9.2

Plant Responses to Rising CO 2

Author(s): LH Allen

Annual Conference: 1986, Vol. 1

Paper ID: 86-9.3

The CO 2-Climate Problem: A Review

Author(s): RD Cess

Annual Conference: 1986, Vol. 1

Paper ID: 86-9.4

Modeling the Response of Ecosystems to Fossil Fuel Emissions: Carbon Dioxide and Pollutant Interactions

Author(s): RC Dahlman, JF Reynolds, BR Strain

Annual Conference: 1986, Vol. 1

Paper ID: 86-9.5

Greenhouse Gases: An Emerging Policy Issue

Author(s): JC Bernabo

Annual Conference: 1986, Vol. 1

Paper ID: 86-9.6

Air Toxics Controllability

Author(s): JH Wilson, EH Pechan, E Durman

Annual Conference: 1986, Vol. 6

Paper ID: 86-90.2

Developing an Air Toxics Control Program for the State of Maryland

Author(s): GS Aburn, GP Ferreri, SSG Wierman

Annual Conference: 1986, Vol. 6

Paper ID: 86-90.6

Toxic Air Pollutants: A Preliminary Application of Decision Analysis

Author(s): PJ Grogan

Annual Conference: 1986, Vol. 6

Paper ID: 86-91.2

The Levels of Certain Volatile Organic Compounds in the Ambient Air of the United States

Author(s): DL Eichler, JH Mackey Annual Conference: 1986, Vol. 6

Paper ID: 86-91.5

California Air Toxics Source Assessment Manual

Author(s): T Smith

Annual Conference: 1986, Vol. 6

Paper ID: 86-91.6

Multiple Air Toxics Exposure Study in the Los Angeles Regions

Author(s): EDP Nelson, D Shikiya, CS Liu

Annual Conference: 1986, Vol. 6

Paper ID: 86-91.7

Numerical Methodology in the Risk Assessment of Air Pollutant Induced Ecological Effects

Author(s): M Nosla, SV Krupa Annual Conference: 1986, Vol. 6

Paper ID: 86-92.1

Risk Assessment and Management of Ecological Effects of Ozone

Author(s): VC Runeckles, GL Brown Annual Conference: 1986, Vol. 6

Paper ID: 86-92.2

Risk Assessment: The Effect of Chronic Exposure to Sulfur Dioxide and Ozone on Yield of Soybean

Author(s): HC Jones, JC Noggle, C McDuffie

Annual Conference: 1986, Vol. 6

Paper ID: 86-92.3

Risk Assessment and Management of Agricultural Effects of Acid Deposition

Author(s): PD Moskowitz, WH Medeiros, NL Oden, HC

Thode, EA Conveney, RE Rosenthal Annual Conference: 1986, Vol. 6

Paper ID: 86-92.4

Development of a Model Emergency Response Plan for Catastrophic Releases of Toxic Gases

Author(s): DJ Fingleton, EA Tanzman, KM Bertram

Annual Conference: 1986, Vol. 6

Paper ID: 86-93.1

A Basic Dispersion Model for Toxic and Hazardous Gas Releases

Author(s): DI McCready, JR Foster, CE Grigsby

Annual Conference: 1986, Vol. 6

Paper ID: 86-93.3

The Risk Assessment Lesson of BHOPAL

Author(s): GD Greenly

Annual Conference: 1986, Vol. 6

Paper ID: 86-93.4

Modeling of Potential Impacts form Hypothetical Major Releases of Chloride and Ammonia Using Specialized Air Release Modeling Techniques

Author(s): D Kringel, B Egan, D Smith, A Lloyd, D Monroe,

A Chaplin, A Hirata, M Wang Annual Conference: 1986, Vol. 6

Paper ID: 86-93.6

Toxic Release Scenarios for Emergency Response Plans

 $\hbox{Author(s): RW Johnson}$

Annual Conference: 1986, Vol. 6

Paper ID: 86-93.8

A Survey of Graduate Education in Hazardous Waste Management

Author(s): ML Davis

Annual Conference: 1986, Vol. 6

Paper ID: 86-94.20

Applicability of EPA'S "Timely and Appropriate" Enforcement Guidance to State and Local Enforcement Actions Against Significant Air Violators

Author(s): se Chester, BL Morrow Annual Conference: 1986, Vol. 6

Paper ID: 86-94.6

hazardous Waste and Air Pollution Control (Poster Session)

Author(s): KF Brasher

Annual Conference: 1986, Vol. 6

Paper ID: 86-94P

Trace Element Concentrations and TPS as Measured During the Winter of 1983 and 1986 in Mexico City

Author(s): YI Falcon, CR Ramirez, HG Garrillo, J Lopes, E

Meza

Annual Conference: 1986, Vol. 6

Paper ID: 86-94P.1

Review of Current Research and Long-Term Research Needs in Air Pollution

Author(s): AC Stern

Annual Conference: 1986, Vol. 6

Paper ID: 86-98.1

Volatile Organic Compounds in Residential Air: Levels, Sources and Toxicity

Author(s): KC Gupta, AG Ulsamer, R Gammage

Annual Conference: 1985, Vol. 1

Paper ID: 84-1.3

An Examination of the Ability of Various Physical Indicators to Predict Judgment of Visual Air Quality

Author(s): W Malm

Annual Conference: 1985, Vol. 1

Paper ID: 85-10.1

Atmospheric Visibility Trends in Dallas-Fort Worth and El Paso, Texas

Author(s): KA Zimmerman, LW Wright

Annual Conference: 1985, Vol. 1

Paper ID: 85-10.3

The Psychological Valuation of Good Visual Air Quality by National Park Visitors

Author(s): DM Ross, WC Malm, RJ Loomis

Annual Conference: 1985, Vol. 1

Paper ID: 85-10.4

Identification of Sources by Size Distribution and Chemical Composition

Author(s): ME Espinosa, EB Aguirre, C Espejel, C Mosler

Annual Conference: 1985, Vol. 1

Paper ID: 85-10.5

Comparison of a Visual Colorimeter and a Spectrometer

Author(s): RC Henry, L Matamala, T Hoffer, P Lee, M

McGown, RJ Farber

Annual Conference: 1985, Vol. 1

Paper ID: 85-10.6

Impacts of a Proposed Nuclear Waste Facility on the Night Sky in Canyonlands National Park

Author(s): MA Yocke, J Hogo, D Henderson

Annual Conference: 1985, Vol. 1

Paper ID: 85-10.7

Visibility Monitoring in Northeastern Wyoming

Author(s): GO Schreecker, DA Ryan Annual Conference: 1985, Vol. 1

Paper ID: 85-10.8

Analysis of Visibility and Aerosol Data from EPRI'S

Regional Air Quality Studies

Author(s): ES Macias, WH White Annual Conference: 1985, Vol. 1

Paper ID: 85-11.1

Visibility an Particulate Measurements in the Western United States

Author(s): WC Malm, R Eldred, T Cahill, JV Molenar

Annual Conference: 1985, Vol. 1

Paper ID: 85-11.3

Measurements of Haze and Fine Particles at a Rural Site on the Atlantic Coast

Author(s): GT Wolf, NA Kelly, MA Ferman, MS Ruthkosky,

DP Stroup, PE Korsog

Annual Conference: 1985, Vol. 1

Paper ID: 85-11.4

Results of an Intensive Field Comparison of Visibility Measurement Methods

Author(s): TE Hoffer, JL Bowen, DE Schorran, R Farber

Annual Conference: 1985, Vol. 1

Paper ID: 85-11.6

The Origin of Visibility Impairment in Vermont

Author(s): RL Potrot, PR Wishinski, RA Valentinetti

Annual Conference: 1985, Vol. 1

Paper ID: 85-11.7

Visual Quality in the Rural West 1981-1982

Author(s): DW Allard, IH Tombach, BM Muller

Annual Conference: 1985, Vol. 1

Paper ID: 85-11.8

PM10 Emission Factor Development Program

Author(s): FM Noonan

Annual Conference: 1985, Vol. 1

Paper ID: 85-12.1

Results of the Aisi Inhalable Particulate Monitoring Study

Author(s): JA Grantz, RE Sistek, JH Lucas

Annual Conference: 1985, Vol. 1

Paper ID: 85-13.1

Intercomparison of Ambient Aerosol Samplers Used in Western Visibility and Air Quality Studies

Author(s): CV Natgai, IH Tomach, JG Watson, CF Rogers

Annual Conference: 1985, Vol. 1

Paper ID: 85-13.2

An Assessment of the Illinois PM10 Attainment Status Using Measured and Predicted Data

Author(s): DJ Kilaz, DA Lawler Annual Conference: 1985, Vol. 1

Paper ID: 85-13.4

Seasonal and Geographic Variations-Ambient PM-10 Measurements in Marion County, Indiana

Author(s): D Jordan, W Beranek Annual Conference: 1985, Vol. 1

Paper ID: 85-13.5

A Mass Distribution Monitor (MDM) for Atmospheric Particulate Matter

Author(s): JB Eedding, MA Weigand, YJ Kim

Annual Conference: 1985, Vol. 1

Paper ID: 85-13.6

Aerosols in the Rural West 1981-1982

Author(s): IH Tomach, DR Fritz, RL Drake, B Mueller

Annual Conference: 1985, Vol. 1

Paper ID: 85-13.8

Measurement of PM-10 Emissions form Stationary Sources

Author(s): TE Ward, MR Midgett, TJ Logan, AD Williamson,

WE Farthing, RS Martin, JW Tagland

Annual Conference: 1985, Vol. 2

Paper ID: 85-14.1

Development of a Source PM10 Sampling Train Using Emission Gas Recycle (EGR)

Author(s): AD Williamson, RS Martin, TE Ward

Annual Conference: 1985, Vol. 2

Paper ID: 85-14.2

A Protocol for Size-Specific Emission Measurements

Author(s): WE Farthing, JS McCain, AD Williamson, TE

Ward

Annual Conference: 1985, Vol. 2

Paper ID: 85-14.3

Measurement of Condensable Vapor Contribution to PM10 Emissions

Author(s): AD Williamson, RS Matin, DB Harris

Annual Conference: 1985, Vol. 2

Paper ID: 85-14.4

PM10 Emissions from Stationary Sources-how do we Define, Measure, Control and Regulate Them?

Author(s): WG DeWees

Annual Conference: 1985, Vol. 2

Paper ID: 85-14.5

Particulate Measurement Methods for Residential Solid Heaters

Author(s): JW Shelton, DR Jaasma Annual Conference: 1985, Vol. 2

Paper ID: 85-14.6

PM10 To TSP Ratios Near Large Well-Controlled Industrial Sources are Different

Author(s): BL Clark, RL Corliss Annual Conference: 1985, Vol. 2

Paper ID: 85-15.2

Size-Specific Particulate Emissions from the Handling of Prilled Sulfur

Author(s): GE Muleski, C Cowherd Annual Conference: 1985, Vol. 2

Paper ID: 85-15.3

Development of Fugitive Dust Emission Factors Using a Low-Speed Wind Tunnel

Author(s): JE Yocum, GF Hoffnagle, NE Bowne, DJ Miller

Annual Conference: 1985, Vol. 2

Paper ID: 85-15.4

Total Suspended and Inhalable Particulates Contributed by a Depressed Minnesota Freeway

Author(s): DC Palmquist, N Meller, P Kachelmyer, JP

Halvorson

Annual Conference: 1985, Vol. 2

Paper ID: 85-15.5

Receptor Model: Summary of a Specialty Conference

Author(s): TG Page

Annual Conference: 1985, Vol. 2

Paper ID: 85-16.1

Modeling of Anthropogenic Sulfate, PM-10 Acid Depositions and Invisibility Impacts in the Southwest

Author(s): DA Latimer, H Hogo Annual Conference: 1985, Vol. 2

Paper ID: 85-16.2

The Interaction of Models and Measurements in the Attribution of PM10 Fine Particulates and Visibility to Pollution Sources

Author(s): JG Watson

Annual Conference: 1985, Vol. 2

Paper ID: 85-16.3

Change in Aerosol Optical Properties with Change in Chemical Composition

Author(s): CS Sloane

Annual Conference: 1985, Vol. 2

Paper ID: 85-16.4

Attribution of Light Extinction to Atmospheric Pollutants: A Review of Light Extinction Budgets

Author(s): CV Mathai, IH Tombach Annual Conference: 1985, Vol. 2

Paper ID: 85-16.5

Ambient Sampling and Analysis to Halogenated Hydrocarbons and Benzene

Author(s): JD Kowalski, JM Shikiya, G Tsou

Annual Conference: 1985, Vol. 2

Paper ID: 85-17.1

Results of the U.S. Environmental Protection Agency's Air Toxics Analysis in Philadelphia

Author(s): DA Sullivan, AD Jones, JG Williams

Annual Conference: 1985, Vol. 2

Paper ID: 85-17.5

Area Sources and Toxic Pollution: A Method for Estimating and Distribution Emissions within a Geographic Area

Author(s): CS Koralek, SM Krishman, AD Jones, JG Williams

Annual Conference: 1985, Vol. 2

Paper ID: 85-17.6

Characterization of Toxic Air Emissions form TSDF'S in Heavily Industrial Areas Using a Mobile MS/MS Laboratory

Author(s): JJ Zoldak, BE Dumdei Annual Conference: 1985, Vol. 2

Paper ID: 85-17.8

Joint European Campaigns on Remote Sensing of Atmospheric Pollution

Author(s): P Guillot

Annual Conference: 1985, Vol. 2

Paper ID: 85-18.1

Phased Array Doppler Coustic Radars

Author(s): KH Underwood Annual Conference: 1985, Vol. 2

Paper ID: 85-18.4

Remote Measurement of Turbulence Parameters

Author(s): JM Fage, JF Soulier, P Thomas

Annual Conference: 1985, Vol. 2

Paper ID: 85-18.5

Automatic Determination of the Depth of the Atmospheric Mixed Layer by Acoustic Sounding

Author(s): I Tomach

Annual Conference: 1985, Vol. 2

Paper ID: 85-18.6

Using a Spreadsheet with Macros to Perform Iterative Equipment Design and Cost Calculations

Author(s): KR Meardon, PC Siebert Annual Conference: 1985, Vol. 2

Paper ID: 85-19.2

Microcomputer Aideo Calculations of Parameters for Spray Dryer Operation

Author(s): JT Yeh, DF Gyorke, HW Pennline, CJ Drummond

Annual Conference: 1985, Vol. 2

Paper ID: 85-19.3

Microcomputer Based Plume Opacity Model for Utility Industry Sources

Author(s): JM Hughes, KT Lee Annual Conference: 1985, Vol. 2

Paper ID: 85-19.4

Use of a Portable Computer to Provide Toxic Gas Information and Execute Dispersion Modeling During Emergencies

Author(s): WC Tam, DJ Corr, PK Misra Annual Conference: 1985, Vol. 2

Paper ID: 85-19.5

Assessment of Heavy Duty Vehicles in California Activity Level by HDV Category

Author(s): Y Horie, M Weinstein, R Rapoport

Annual Conference: 1985, Vol. 2

Paper ID: 85-19.7

Synopsis of Scientific Understanding of Acid Deposition and Its Effects

Author(s): JC Bernard

Annual Conference: 1985, Vol. 1

Paper ID: 85-1A.1

Retrofit SO2 and NOx Control Technologies for Coal-Fired Power Plants

Author(s): MJ Miller

Annual Conference: 1985, Vol. 1

Paper ID: 85-1A.2

Forecasting Future Utility and Industrial SO2 Emissions Under Regulatory and Economic Uncertainty

Author(s): EH Pechan, K Graves, D Turner

Annual Conference: 1985, Vol. 1

Paper ID: 85-1B.1

A Comprehensive Modeling Framework for Integrated Assessments of Acid Deposition

Author(s): RJ Marnicio, ES Rubin, M Hendron, MJ Small, GJ

McRae, LB Lave

Annual Conference: 1985, Vol. 1

Paper ID: 85-1B.2

Evaluation, Selection an Economic Assessment of Control Strategies for Acidic Deposition

Author(s): HH Hovey, E Davis, G Sistla, P Galvin, R

Twaddell, ST Rao

Annual Conference: 1985, Vol. 1

Paper ID: 85-1B.3

Assessment of Regional Air Quality Improvements in the Eastern United States Associated with Proposed Acid Rain SO2 Emission Control

Author(s): DA Latimer, H Hogo, RC Ireson, RG Morris

Annual Conference: 1985, Vol. 1

Paper ID: 85-1B.4

Seasonal Fuel Switching to Natural Gas--A Logical Approach to Reduce Sulfur Dioxide and Other Air Emissions

Author(s): PL Wildinson Annual Conference: 1985, Vol. 1

Paper ID: 85-1B.5

Least Cost Strategies for Regional SO2 Emission Reductions

Author(s): JF Skea, ES Rubin Annual Conference: 1985, Vol. 1

Paper ID: 85-1b.6

Seasonal Control of Sulfur Deposition

 ${\sf Author}(s){:}\ D\ Golomb,\ JA\ Fay,\ S\ Kumar$

Annual Conference: 1985, Vol. 1

Paper ID: 85-1B.8

Receptor Modeling and Aerosol Transport

Author(s): GD Thurston, PJ Lioy Annual Conference: 1985, Vol. 2

Paper ID: 85-20.1

Tracking Regional Pollutants Via Elemental Ratios

Author(s): V Dutkiewicz, PP Parekh, E Canelli, L Husain

Annual Conference: 1985, Vol. 2

Paper ID: 85-20.2

Trace Metals (Al. Mn. V and Pb) in Size Fractioned Northeast Aerosol During Captex-83

Author(s): DC Bogen, RH Jnuth, RJ Lagomarsino, SJ

Nagourney

Annual Conference: 1985, Vol. 2

Paper ID: 85-20.3

Measurements of SOx NOx and Aerosol Species in Bermuda

Author(s): GT Wolf, MS Ruthkosky, DP Stroup, PE Korsog,

MA Ferman, GJ Wendel, DH Stedman

Annual Conference: 1985, Vol. 2

Paper ID: 85-20.4

Atmospheric Exchange of SOx and NOx Across the Southeastern United States Boundary

Author(s): E Edgertin, R McCann, KF Kosky

Annual Conference: 1985, Vol. 2

Paper ID: 85-20.5

A Composite Application of Source and Receptor Models to Fine Particle Concentrations in Portage, Wisconsin

Author(s): jc Chow, PW Severance, JD Spengler

Annual Conference: 1985, Vol. 2

Paper ID: 85-20.6

Analysis of Airborne Fine Particulate Matter in Athens, Greece

Author(s): G Valaoras, JJ Huntzicker, WH White

Annual Conference: 1985, Vol. 2

Paper ID: 85-20.8

Time Series and Spectral Analysis of Ozone-Hydrocarbon Monitoring Data

Author(s): R Tropp, J Barta, K Crum, S Dattner, K

Zimmerman

Annual Conference: 1985, Vol. 2

Paper ID: 85-21.1

The Effects of Errors an Bias on Chemical Mass Balance Receptor Models as Shown by the Pseudoinverse Matrix

Author(s): RC Henry, L Matamala, T Hoffer, P Lee, M

McGown, RJ Farber

Annual Conference: 1985, Vol. 2

Paper ID: 85-21.2

Comparison of Two Modeling Approaches for Source Apportionment of IPM and EOM in Newmark, NJ

Author(s): M Morand, PJ Lioy, JM Daisey

Annual Conference: 1985, Vol. 2

Paper ID: 85-21.4

The Effects of Sample Size and Random Error on the Factor Analysis/Multiple Regression (FA/MR) Receptor Modeling Techniques

Author(s): k Ito, TJ Kneip, PJ Lioy Annual Conference: 1985, Vol. 2

Paper ID: 85-21.5

Multivariate Analysis of CCSEM Data

Author(s): DS Kim, PK Hopke, DL Massart, L Kaufman, G

Casuccio

Annual Conference: 1985, Vol. 2

Paper ID: 85-21.6

An Intercomparison of Linear Programming Procedures for Aerosol Mass Apportionment

Author(s): MD Cheng, PK Hopke Annual Conference: 1985, Vol. 2

Paper ID: 85-21.8

Mechanism of Atmospheric Oxidation of Sulfur Dioxide by Hyroxyl Radicals

Author(s): LG Andeson, PM Gates Annual Conference: 1985, Vol. 2

Paper ID: 85-22.1

Evidence for the Formation of Mutagenic Aerosols from Secondary Atmospheric Reactions

Author(s): TL Gibson, GT Wolff Annual Conference: 1985, Vol. 2

Paper ID: 85-22.2

Nonurban Hydrocarbons and Their Effects on Ozone and Haze

Author(s): MA Ferman, NA Kelly, GT Wolff

Annual Conference: 1985, Vol. 2

Paper ID: 85-22.3

d Meteorological Conditions Associated with High and Low Ozone Concentrations in Southeastern Michigan and Nearby Areas of Ontario

Author(s): NA Kelly, MA Ferman, CT Wolff

Annual Conference: 1985, Vol. 2

Paper ID: 85-22.4

Long Term Ozone Trends in Texas

Author(s): VK Argento, EC Crosby, JB Corley

Annual Conference: 1985, Vol. 2

Paper ID: 85-22.6

Measurement of Ambient NMOC Concentrations in 22 Cities During 1984

Author(s): HG Richter, FF McElroy, VL Thomson

Annual Conference: 1985, Vol. 2

Paper ID: 85-22.7

Development of RPM-Urban and Performance Evaluation in the Southern California OCS and Urban Environment

Author(s): PD Gutfreund, RE Morris Annual Conference: 1985, Vol. 2

Paper ID: 85-23.2

Application of the Urban Airshed Model to Ozone Control Assessment in Philadelphia

Author(s): JL Haney, TN Braverman Annual Conference: 1985, Vol. 2

Paper ID: 85-23.4

Estimation of Design Values in Overlapping Airsheds

Author(s): RA Paul, KA Baugues, GL Gipson, EL Meyer

Annual Conference: 1985, Vol. 2

Paper ID: 85-23.5

Numerical Modeling of Ozone Population Exposure: An Application of a Photochemical Model

Author(s): SR Hayes, C Seigneur, GW Lundberg

Annual Conference: 1985, Vol. 2

Paper ID: 85-23.6

On The Use of a NOx Chemistry Module in a Statistical Type Long Range Transport Model

Author(s): HG Rao, A Kumar, RN Vangipuram

Annual Conference: 1985, Vol. 2

Paper ID: 85-23.7

A Method for Calculating Dispersion Modeling Uncertainty Applied to the Regulation of an Emission Source

Author(s): TE Stoeckenius, WM Cox, JA Tikvart, J Pearson

Annual Conference: 1985, Vol. 2

Paper ID: 85-24A.1

An Application of Wind Simulation and Dispersion Models to Complex Terrain in Hong Kong

Author(s): BY Lee, WE Marlatt Annual Conference: 1985, Vol. 2

Paper ID: 85-24A.2

Evaluation of EPA and Wayne County Modified ISC Model in Urban Area

Author(s): RK Sinha, AM Greenberg, KE Dowell

Annual Conference: 1985, Vol. 2

Paper ID: 85-24A.3

Preliminary Conclusions from EPA'S Model Evaluation Program

Author(s): WA Cox, JA Tikvart, JL Pearson

Annual Conference: 1985, Vol. 2

Paper ID: 85-24A.4

Characteristics of Atmospheric Dispersion and Model Predictions Offshore the Central California Coast

Author(s): DC Herkhof, WF Dabberdt Annual Conference: 1985, Vol. 2

Paper ID: 85-24A.5

An Analysis of the Results of 15 Air Quality Model Evaluation Studies

Author(s): SR Hayes, GE Moore Annual Conference: 1985, Vol. 2

Paper ID: 85-24A.7

Performance Evaluation and Sensitivity Analysis of Eulerian and Lagrangian, Regional Models Applied Sox Air Quality Issues in the Eastern United States

Author(s): DA Latimer, H Hogo, RE Morris

Annual Conference: 1985, Vol. 2

Paper ID: 85-24B.1

Cooling Tower Drift Deposition Measurement at the Orgdp

Author(s): SH Park

Annual Conference: 1985, Vol. 2

Paper ID: 85-24B.3

The Use of the BLP Model in Siting Alumina Reduction Plants

Author(s): S Friar, B Coupal Annual Conference: 1985, Vol. 2

Paper ID: 85-24B.4

A Comparison of MPTERU and Other Urban Diffusion Models to the Ram Model

Author(s): T Main, AP Letizia Annual Conference: 1985, Vol. 2

Paper ID: 85-24B.7

Meteorological Considerations in Emergency Response Capability at Nuclear Power Plant

Author(s): JE Fairobent

Annual Conference: 1985, Vol. 2

Paper ID: 85-25A.1

The Meteorological Advisor in a Nuclear Generation Station Emergency Plan

Author(s): R Caiazza

Annual Conference: 1985, Vol. 2

Paper ID: 85-25A.2

Development of a Site Specific Empirical Equation to Estimate TIBL Heights at the Ferm1-2 Power Plant Site

Author(s): MP Lebis, RA Foltman Annual Conference: 1985, Vol. 2

Paper ID: 85-25A.3

Real-Time Meteorological Data Fow in Support of TVA'S Radiological Emergency Plan

Author(s): CH Hunter, DE Pittman, JE Malo

Annual Conference: 1985, Vol. 2

Paper ID: 85-25A.5

The Evolution of Computer Based Dose Assessment Capability for Nuclear Power Plants in the State of New York

Author(s): I Gotham, B Krawchuk, J Matuszek

Annual Conference: 1985, Vol. 2

Paper ID: 85-25A.6

Validation of a Hazardous Spill Model Using N204 and LNG Spill Data

Author(s): HW Balentine, MW Eltroth Annual Conference: 1985, Vol. 2

Paper ID: 85-25B.1

A Review of Dispersion Modeling Methods for Assessing Toxic Releases

Author(s): CR Bittle, AR Borowsky Annual Conference: 1985, Vol. 2

Paper ID: 85-25B.2

Estimating Downwind Impact Distances from Fuming Acid Spills

Author(s): J Duke

Annual Conference: 1985, Vol. 2

Paper ID: 85-25B.3

Use of Monostatic Acoustic Radars to Determine Thermal Internal Boundary Layer Heights Along the Western Lake Erie Shoreline

Author(s): MP Lebeis

Annual Conference: 1985, Vol. 2

Paper ID: 85-25B.4

Backup Procedures for Estimating Meteorological Data for Radiological Emergency Support to the Sequoyah Nuclear Plant

Author(s): JE Malo, DE Pittman Annual Conference: 1985, Vol. 2

Paper ID: 85-25B.5

Computer Graphics to Display Plume Modeling Results for Nuclear Emergency

Author(s): B Krawchuk, I Gotham, J Matuszek

Annual Conference: 1985, Vol. 2

Paper ID: 85-25B.6

Greenhouse Gases in the Atmospheric: What do we Know?

Author(s): G Marland, RM Rotty Annual Conference: 1985, Vol. 3

Paper ID: 85-26.1

Use of Energy Scenarios in Addressing the Co2 Question

Author(s): RM Rotty, DB Reister Annual Conference: 1985, Vol. 3

Paper ID: 85-26.2

The Greenhouse Effect: Its Implications for Industrial and Government Policy

Author(s): J Jarrett, JF Coates Annual Conference: 1985, Vol. 3

Paper ID: 85-26.3

A System for the Removal, Recovery and Disposal of Carbon Dioxide from Fossil Fuel Power Plants in the U.S.

Author(s): M Steinberg, HC Cheng Annual Conference: 1985, Vol. 3

Paper ID: 85-26.5

Analysis R&D For the Greenhouse Effect

Author(s): BR Judd, E Olmsted, LJ Pollenz

Annual Conference: 1985, Vol. 3

Paper ID: 85-26.6

Global Energy and Carbon Dioxide

Author(s): J Reilly, J Edmonds Annual Conference: 1985, Vol. 3

Paper ID: 85-26.7

The Non-Criteria Air Pollutant Problem Scope, Science, Regulation and Future

Author(s): DR Patrick

Annual Conference: 1985, Vol. 3

Paper ID: 85-28.1

Health Assessment of Non-Criteria Pollutants

Author(s): SD Lee, LD Grant Annual Conference: 1985, Vol. 3

Paper ID: 85-28.2

The California Approach to Identifying and Controlling Toxic Air Contaminants and Program Status

Author(s): PD Venturini, WV Loscutoff, CB Suer

Annual Conference: 1985, Vol. 3

Paper ID: 85-28.4

A Case History of Toxic Regulation's Chlorine Air Emissions

Author(s): KD Hiltgen, DL Cummings Annual Conference: 1985, Vol. 3

Paper ID: 85-28.6

An Investigation of Interurban Variations in the Chemical Composition and Mutagenic Activity of Airborne Particulate Organic Matter Using an Integrated Chemical lass/Biossay System

Author(s): JP Butler, TJ Kneip, JM Daisey

Annual Conference: 1985, Vol. 3

Paper ID: 85-29.1

The Feasibility of Using Animal Test Systems in Situ to Assess Possible Human Health Consequences of Exposure to Complex Mixtures of Air Contaminants

 $\hbox{Author(s): VL Smith, J Wiersema, JH Price, MS Legator, BL}$

Harper, JB Ward

Annual Conference: 1985, Vol. 3

Paper ID: 85-29.2

Comparative Effects of Acidic and Non-Acidic Multicomponent Atmospheres on the Lungs of Rats Exposed by Inhalation

Author(s): MT Kleinman, WJ Mautz, TR McClure, R Mannix,

RF Phalen

Annual Conference: 1985, Vol. 3

Paper ID: 85-29.3

Pulmonary Function of Exercising Dogs Exposed to Ozone Alone or in Combination with SO2 and Acid Aerosol

Author(s): WJ Mautz, C Bufalino, MT Kleinman, RM

Lejnieks, RF Phalen

Annual Conference: 1985, Vol. 3

Paper ID: 85-29.4

Attempts to Rank Genetically Toxic Air Pollution Hazard From Toxic Waste Sites

Author(s): NM Trieff, MS Legator Annual Conference: 1985, Vol. 3

Paper ID: 85-29.5

Ecological and Material Effects of Air Pollution

Author(s): I Leone-Poster Session Annual Conference: 1985, Vol. 1

Paper ID: 85-2P.2

A Methodology for Estimating the Effects of "Acid Rain" on Indoor Surfaces

Author(s): JD Sinclair, CJ Weschler Annual Conference: 1985, Vol. 1

Paper ID: 85-2P.6

Atmospheric Inputs of Sulfates into the Terrestrial Ecosystem

Author(s): BB Hicks

Annual Conference: 1985, Vol. 1

Paper ID: 85-3.1

Direct Effects of Atmospheric Sulfate Deposition on Vegetation

Author(s): BI Chevone, AH Chappelka, DE Herzeld, SV

Krupa

Annual Conference: 1985, Vol. 1

Paper ID: 85-3.2

Physio-Chemical Fate of Sulfate in Soils

Author(s): MA Tabatabai Annual Conference: 1985, Vol. 1

Paper ID: 85-3.3

Transformation of Organic and Inorganic Sulfur: Importance to Sulfate Flux in an Adirondack Forest Soil

Author(s): MB David, MJ Mitchell Annual Conference: 1985, Vol. 1

Paper ID: 85-3.5

Comparison of Instrumentation for Microenvironmental Monitoring of Respirable Particulates

Author(s): NL Nagda, RC Fortmann, MD Koontz, HE Rector

Annual Conference: 1985, Vol. 3

Paper ID: 85-30A.1

Analytical and Sampling Methodology for Characterization of Polynuclear Compounds in Indoor Air

 $\hbox{Author(s): NK Wilson, RG Lewis, CC Chuang, BA Peterson,}\\$

GA Mack

Annual Conference: 1985, Vol. 3

Paper ID: 85-30A.2

A Detailed Study of Thirty Houses with Indoor Combustion Sources

Author(s): GW Traynor, IA Nitschke, WA Clarke, CP Adams,

JE Rizzuto

Annual Conference: 1985, Vol. 3

Paper ID: 85-30A.3

An Investigation of Inhalable Particulates in Twelve Houston Homes

Author(s): TH Stock, YS Kim, HM Prichard, SL Dattner

Annual Conference: 1985, Vol. 3

Paper ID: 85-30A.4

Field Testing of Energy Efficient Indoor Combustion Pollution Control Techniques

Author(s): IA Nitschke, GW Traynor, ME Clarkin, GP

Adams, JE Rizzuto

Annual Conference: 1985, Vol. 3

Paper ID: 85-30A.7

Characterization and Mitigation of Organic Vapors

Author(s): AR Hawthorne, TG Matthews, RB Gammage

Annual Conference: 1985, Vol. 3

Paper ID: 85-30B.1

Indoor Air and Surface Levels of PCBS in Public Buildings

Author(s): 1 Oatman, R Roy, D Gray

Annual Conference: 1985, Vol. 3

Paper ID: 85-30B.2

Levels of Volatile Organics in Indoor Air

Author(s): td Hartwell, JH Crowder, LS Sheldon, ED

Pellizzari, LD Pellizzari

Annual Conference: 1985, Vol. 3

Paper ID: 85-30B.3

Characterization of Particle Composition, Organic Vapor Constituents and Mutagenicity of Indoor Air Pollutant Emissions

Author(s): K Sexton, LM Webber, SB Hayward, RG Sextro

Annual Conference: 1985, Vol. 3

Paper ID: 85-30B.6

Relation Between Indoor Air Formaldehyde Concentrations and Ventilation Rates for a Group of Sixteen New Houses

Author(s): DA Figley

Annual Conference: 1985, Vol. 3

Paper ID: 85-30B.7

A Survey Methodology for Characterization of Residential NO2 Concentrations

Author(s): ML Soczek, PB Ryan, JD Spengler, fj Fowler, IH

Billick

Annual Conference: 1985, Vol. 3

Paper ID: 85-31.1

Systematic Development of Survey Instruments for Indoor Air Quality Studies

Author(s): MD Koontz, NL Nagda Annual Conference: 1985, Vol. 3

Paper ID: 85-31.2

Measuring Indoor Air Quality by Mail

Author(s): K Sexton, KS Liu, MX Petreas

Annual Conference: 1985, Vol. 3

Paper ID: 85-31.3

Survey of Nitrogen Dioxide, Carbon Monoxide and Ventilation in Residences of Patients with Ischemic Heart Disease

Author(s): SD Colome, WE Lambert, N Castenada

Annual Conference: 1985, Vol. 3

Paper ID: 85-31.5

Results from the First Three Seasons of the Team Study: Personal Exposures, Indoor-Outdoor Relationships and Breath Levels of Toxic Air Pollutants Measured for 355 Persons in New Jersey

Author(s): LA Wallace, ED P[ellizzari, TD Hartewell, CM

Sparacino, LS Sheldon, H Zelon Annual Conference: 1985, Vol. 3

Paper ID: 85-31.6

Source Identification of Outdoor and Indoor Inhalable Particulate Matter in the Houston Area

Author(s): YS Kim, TH Stock, SL Dattner

Annual Conference: 1985, Vol. 3

Paper ID: 85-31A.5

Methods of Analysis of Panel Studies of the Acute Health Effects of Air Pollution with Application to the Houston Area Study

Author(s): CF Contant, TH Stock, PA Buffler, AH Holguin,

BM Gehan

Annual Conference: 1985, Vol. 3

Paper ID: 85-32.1

The Effects of Exposure Uncertainties in Estimating Linear Exposure Response Coefficients

Author(s): PL Kinney, JD Spengler Annual Conference: 1985, Vol. 3

Paper ID: 85-32.2

The Hamilton Study: Estimating Exposure to Suspended Particulates

Author(s): LD Pengelly, CH Goldsmith, AT Kerigan, W

Furlong, S Toplack

Annual Conference: 1985, Vol. 3

Paper ID: 85-32.4

Validation of Inhalable Particulate Data by Internal and External Consistency Checks

Author(s): HM Prichard, TH Stock, SL Dattner

Annual Conference: 1985, Vol. 3

Paper ID: 85-32.5

A Comparison of the Bubble and Emission Offsets: Exposure and Health Risk Considerations

Author(s): PF Ricci, DR Fromholzer Annual Conference: 1985, Vol. 3

Paper ID: 85-33.1

Including Uncertainty in Assessments of Sulfur Oxide Health Risks

Author(s): D Amaral

Annual Conference: 1985, Vol. 3

Paper ID: 85-33.2

EPA'S Risk Assessment Process and Its Use in Making Risk Management Decisions

Author(s): DR Patrick

Annual Conference: 1985, Vol. 3

Paper ID: 85-33.3

The Value of Improved Exposure Estimates: A Decision Analytic Approach

Author(s): JS Evans

Annual Conference: 1985, Vol. 3

Paper ID: 85-33.4

The Use of Environmental Health-Risk Analysis for Managing Toxic Substances

Author(s): TE McKone

Annual Conference: 1985, Vol. 3

Paper ID: 85-33.5

Development of the Multi-Attribute Hazard Assessment System (MAHAS) and its Application to Energy-Related Waste Streams

Author(s): DJ Fingleton, LJ Habegger, SY Chiu, SG Barisas,

RH Petersen

Annual Conference: 1985, Vol. 3

Paper ID: 85-33.6

The Role of Information in Environmental Policy Debates

Author(s): RG Richels, SC Peck Annual Conference: 1985, Vol. 3

Paper ID: 85-34.1

Consideration of Risk Analysis Methods in the Revision of the Primary Standards for Ambient Particles

Author(s): H Ozkaynak, JD Spengler, GD Thurston

Annual Conference: 1985, Vol. 3

Paper ID: 85-34.2

Risk Assessment in Health Effects Review of Air Permits in Texas

Author(s): ST Dydek, J Weirsema, JH Price

Annual Conference: 1985, Vol. 3

Paper ID: 85-34.3

Air Emission Risk Assessment Model: Benzo(A) Pyrene and Arsenic Emissions from the MT. Tom Power Plant

Author(s): GS Lowalczyk, LB Grant, PF Ricci

Annual Conference: 1985, Vol. 3

Paper ID: 85-34.4

Human Exposure Assessment of On-Land Versus at Sea Incineration of PCBS

Author(s): GA Holton, CC Travis Annual Conference: 1985, Vol. 3

Paper ID: 85-34.6

Regulations of Hazardous Air Pollutants Under the Clean Air Act

Author(s): AG Fraas

Annual Conference: 1985, Vol. 3

Paper ID: 85-35.3

Liability Versus Regulation for the Control of Toxic Air Pollutants

Author(s): RC Anderson

Annual Conference: 1985, Vol. 3

Paper ID: 85-35.4

Pulmonary Function and Particulates: Preliminary Evidence from Nhanes 1

Author(s): LG Chestnut, RB Rowe, DA Savitz

Annual Conference: 1985, Vol. 3

Paper ID: 85-35.7

Air Pollution and Morbidity Revisited: A Specification Test

Author(s): BD Ostro

Annual Conference: 1985, Vol. 3

Paper ID: 85-35.8

Lung Function as a Risk Factor For Acute Respiratory

Disease: An Epidemiological Study

Author(s): AJ Krupnick, W Harrington Annual Conference: 1985, Vol. 3

Paper ID: 85-35.9

Emissions from the Combustion of Fuel Oil Containing Chlorinated Aliphatic Compounds

Author(s): JP Barta, NS Zarr Annual Conference: 1985, Vol. 3

Paper ID: 85-36.1

Sources of Nitroaromatic Mutagens in Atmospheric Polycyclic Organic Matter

Author(s): TL Gibson

Annual Conference: 1985, Vol. 3

Paper ID: 85-36.2

Detection of Mutagens in Particle and Vapors Emissions from Indoor Sources

Author(s): YY Wang, LM Webber, CP Flessel, KI Chang, K

Sexton, RG Sextro

Annual Conference: 1985, Vol. 3

Paper ID: 85-36.3

The Mutagenic Activity of Particulate Organic Matter Collected with a Dilution Sampler at Coal-Fired Power Plants

Author(s): JA Sousa, JM Daisey, JE Houck, JA Cooper

Annual Conference: 1985, Vol. 3

Paper ID: 85-36.4

Multivariate Statistical Analyses of Air Quality Data and Bacterial Mutagenicity Data from Ambient Sources

Author(s): GT Wolff, JS Siak, TL Chan, PE Korsog

Annual Conference: 1985, Vol. 3

Paper ID: 85-36.5

The Chemistry of Dimethyl Sulfate in the Atmosphere

Author(s): LD Hansen, DJ Eatough, JL Cheney, NL Eatough

Annual Conference: 1985, Vol. 3

Paper ID: 85-36.6

Stage 11 Vapor Recovery

Author(s): DF Gilson

Annual Conference: 1985, Vol. 3

Paper ID: 85-37.2

Onboard Refueling Control-Not a Simple Task

Author(s): MJ Schwarz

Annual Conference: 1985, Vol. 3

Paper ID: 85-37.3

California Perspective on Controlling Gasoline Evaporative Emissions

Author(s): PD Venturini, DC Simeroth Annual Conference: 1985, Vol. 3

Paper ID: 85-37.4

Industry Costs for Reducing Gasoline Vapor Pressure Specifications

Author(s): GM Intille

Annual Conference: 1985, Vol. 3

Paper ID: 85-37.5

An Overview of the RIO DE Janeiro Aerosol Characterization Study

Author(s): JM Daisey, AH Miguel Annual Conference: 1985, Vol. 3

Paper ID: 85-38.1

Organic Emission Standards for Light-Duty Methanol-Fueled Vehicles A Methodology

Author(s): MD Gold

Annual Conference: 1985, Vol. 3

Paper ID: 85-38.6

Highway Pollutant Emission Model Status and Application

Author(s): gb Dresser

Annual Conference: 1985, Vol. 3

Paper ID: 85-39.1

Analysis of the Environmental Need for NOx Controls on Light Duty Trucks and Heavy Duty Vehicles

Author(s): PD Gutfreund, CS Burton, WR Oliver, JL Haney, C

Seigneur

Annual Conference: 1985, Vol. 3

Paper ID: 85-39.3

Calibration of a Microscale Model for Carbon-Monoxide Estimates

Author(s): NE Mellem, JP Halvorson Annual Conference: 1985, Vol. 3

Paper ID: 85-39.4

Forecasting CO Episodes in Anchorage, Alaska

Author(s): M Fernau, PJ Samson, JM Norbeck

Annual Conference: 1985, Vol. 3

Paper ID: 85-39.5

Prototypal Models of Commuter Exposure to CO From Motor Vehicle Exhaust

Author(s): PG Flachsbart Annual Conference: 1985, Vol. 3

Paper ID: 85-39.6

Precipitation Chemistry in the Eastern United States

Author(s): MA Allan, PK Mueller Annual Conference: 1985, Vol. 1

Paper ID: 85-4.1

A Critical Assessment of Existing Data Bases for Acid **Deposition Modeling Studies**

Author(s): P Saxena, C Seigneur, AK Pollack

Annual Conference: 1985, Vol. 1

Paper ID: 85-4.2

The EPRI 1982 National Air Pollutant Emission Inventory

Author(s): SL Heisler, J Young, F Lurmann, P Hayden, H Collins, J CollinsT Yeransian, D Kringel, G Hay

Annual Conference: 1985, Vol. 1

Paper ID: 85-4.3

Development of the 1985 NAPAP Emissions Inventory

Author(s): JB Homolya, DA Toothman, JD Mobley

Annual Conference: 1985, Vol. 1

Paper ID: 85-4.4

RADM Chemical Data Requirements

Author(s): P Middleton

Annual Conference: 1985, Vol. 1

Paper ID: 85-4.5

Uncertainties in Source--Receptor Effects Relationships for Acidic Deposition Between the Eastern U.S. and

Southeastern Canada

Author(s): BL Niemann Annual Conference: 1985, Vol. 1

Paper ID: 85-4.6

Acid-Potential Emission Factors for Residential Wood **Burning Stoves**

Author(s): P Burnet, n Edminsten, P Tiegs, R Yoder

Annual Conference: 1985, Vol. 1

Paper ID: 85-4.8

Tampering and Misfueling--An Air Quality Perspective

Author(s): AS Mannato, SE Hoover Annual Conference: 1985, Vol. 4

Paper ID: 85-40..3

Updated Mobile Source Emission Factors

Author(s): MA Wolcott, TL Darlington Annual Conference: 1985, Vol. 4

Paper ID: 85-40.1

A Preliminary Assessment of Various Short Tests in Identifying Excess Vehicle Emissions

Author(s): R Ragazzi, J Stokes, G Gallagher

Annual Conference: 1985, Vol. 4

Paper ID: 85-40.2

EPA Audits of State and Local Inspection/Maintenance **Programs**

Author(s): PA Lorang, JA Armstrong, JM Cabaniss

Annual Conference: 1985, Vol. 4

Paper ID: 85-40.4

Real World Approaches to Inspection/Maintenance Quality Assurance: Field Auditing Issues

Author(s): BS Carhart

Annual Conference: 1985, Vol. 4

Paper ID: 85-40.5

Characterization of the Effects of Fuel Injection Technology on Low Temperature Emissions

Author(s): RS Sickler, KM Brown, LD Verelli, HJ Coutts

Annual Conference: 1985, Vol. 4

Paper ID: 85-40.7

Comparative Study of Open Source Particulate Emission Measuring Techniques

Author(s): JD McCain, BE Pyle, RC McCrillis

Annual Conference: 1985, Vol. 4

Paper ID: 85-41.1

The Effectiveness of Priority Lanes in Reducing Commuter Travel Time and Exposure to CO on a Honolulu Arterial

Author(s): PG Flachsbart

Annual Conference: 1985, Vol. 4

Paper ID: 85-41.3

Traffic Indices as a Measure of the Effectiveness of a Denver Carbon Monoxide Control Strategy

Author(s): F Rodgers, S Arnold Annual Conference: 1985, Vol. 4

Paper ID: 85-41.4

Increasing Average Vehicle Ridership in the South Coast Air Basin via a Mobile Source Control Measure

Author(s): JD Dunlap

Annual Conference: 1985, Vol. 4

Paper ID: 85-41.5

Current Research of the Environmental Protection Agency on Automotive Criteria Pollutants

Author(s): JA Graham, DH Horstman, VA Benignus, RS

Annual Conference: 1985, Vol. 4

Paper ID: 85-42.2

Industry Sponsored Research on the Health Effects of Automotive Emissions

Author(s): JJ Vostal

Annual Conference: 1985, Vol. 4

Paper ID: 85-42.3

California Air Resources Board Sponsored Research on Health Effects of Automotive Emissions

Author(s): SV Dawson, JE Denton, FD Westerdahl

Annual Conference: 1985, Vol. 4

Paper ID: 85-42.4

Basis for Primary Air Quality Criteria and Standards

Author(s): LD Grant, BC Jordan Annual Conference: 1985, Vol. 4

Paper ID: 85-42.5

Air Pollution From Fireplaces in Las Vegas, Nevada

Author(s): MN Naylor

Annual Conference: 1985, Vol. 4

Paper ID: 85-43.1

Ambient Air Monitoring Study of Residential Woodburning in MIO, Michigan

Author(s): PR Engel

Annual Conference: 1985, Vol. 4

Paper ID: 85-43.2

Size Distribution and Chemical Composition of Residential Wood Smoke

Author(s): JA Rau, JJ Huntzicker Annual Conference: 1985, Vol. 4

Paper ID: 85-43.3

Determination of Emissions and Efficiency of Residential Wood-Fired Central Heating Appliances

Author(s): ACS Hayden, RW Braaten Annual Conference: 1985, Vol. 4

Paper ID: 85-43.4

Emission Control Effectiveness of a Woodstove Catalyst and Emission Measurement Methods Comparison

Author(s): RC McCrillis, RG Merrill Annual Conference: 1985, Vol. 4

Paper ID: 85-43.5

Sources of Indoor Particulates in an Area Where Residential Wood Combustion is Prevalent

Author(s): RE Imhoff

Annual Conference: 1985, Vol. 4

Paper ID: 85-43.6

Biological and Chemical Testing of Coke Oven Emissions

Author(s): DJ Corr, WC Tam, J Craigmile, B Das, A Horton,

G Thomas, R Gupta

Annual Conference: 1985, Vol. 4

Paper ID: 85-44.2

Coke Oven Emission Regulations

Author(s): L Beck, S Duletsky Annual Conference: 1985, Vol. 4

Paper ID: 85-44.3

The Occurrence and Treatment of Organic Pollutants in Steel Industry Wastewaters

Author(s): GA Amendola Annual Conference: 1985, Vol. 4

Paper ID: 85-44.4

Volatile Organic Emission Control for Coke By-Product Plants

Author(s): M Hooper, JS Stanik Annual Conference: 1985, Vol. 4

Paper ID: 85-44.5

Response by the Technical Panel to Papers Presented in Session No. 44 Organics in the Iron and Steel Industry

Author(s): BA Steiner, DM Carlson, D Hartong, G

Gschwandtner

Annual Conference: 1985, Vol. 4

Paper ID: 85-44.6

Emissions Trading Reforms: Successes and Failures

Author(s): JS Palmisano

Annual Conference: 1985, Vol. 4

Paper ID: 85-45.1

Offset Investments and Guarantees: A Program to Provide Incentives for Firms to Deposit and Trade Emission Reductions

Author(s): B Garelick, JD Foster Annual Conference: 1985, Vol. 4

Paper ID: 85-45.4

The Case for Emission Reduction Credit Leasing

Author(s): RK Raufer, SL Feldman, JA Jaksch

Annual Conference: 1985, Vol. 4

Paper ID: 85-45.5

A Novel Approach to SO2 Emission Control

Author(s): SC Barton, T Wood Annual Conference: 1985, Vol. 4

Paper ID: 85-45.7

Indoor Air Quality: An Overview of Policy and Regulatory Issues

Author(s): K Sexton

Annual Conference: 1985, Vol. 4

Paper ID: 85-46.1

Does EPA Have a Policy on Indoor Air Pollution?

Author(s): VE Thomson

Annual Conference: 1985, Vol. 4

Paper ID: 85-46.2

Minnesota's Response to Indoor Air Problems

Author(s): L Oatman

Annual Conference: 1985, Vol. 4

Paper ID: 85-46.3

Texas Department of Health Indoor Air Quality Program

Author(s): M Winfield, JF Lauderdale Annual Conference: 1985, Vol. 4

Paper ID: 85-46.5

Public Policy Options for Addressing Indoor Air Quality

Author(s): ME R Fise

Annual Conference: 1985, Vol. 4

Paper ID: 85-46.6

Liability for Indoor Air Pollution in the Workplace

Author(s): LS Kirsch

Annual Conference: 1985, Vol. 4

Paper ID: 85-46.7

Urban Indoor Air Investigative Protocol

Author(s): EF Ferrand, F Nichik, N Padnos, EM Beck

Annual Conference: 1985, Vol. 4

Paper ID: 85-46.8

General Motors Environmental Auditing Experiences

Author(s): JP Barotti, JR Keller Annual Conference: 1985, Vol. 4

Paper ID: 85-48.1

Environmental Audits in Connection with Property

Purchases and Sales

Author(s): RM Cogen

Annual Conference: 1985, Vol. 4

Paper ID: 85-48.2

U.S. EPA Policy Towards Effective Environmental Auditing

Author(s): TL Kuusinen

Annual Conference: 1985, Vol. 4

Paper ID: 85-48.3

Increasing the Effectiveness of Environmental Auditing Programs

Author(s): JL Greeno

Annual Conference: 1985, Vol. 4

Paper ID: 85-48.4

Corporate Environmental Compliance Programs

Author(s): BI Raffle

Annual Conference: 1985, Vol. 4

Paper ID: 85-48.6

A Regulatory Information Tool for Compliance Audits

Author(s): CB Counihan

Annual Conference: 1985, Vol. 4

Paper ID: 85-48.8

A Qualitative and Quantitative Examination of the Performance of Regions Air Quality Models Representing Different Modeling Approaches

Author(s): CM Bhumralker, FL Ludwig, JDShannon, D

McNaughton

Annual Conference: 1985, Vol. 1

Paper ID: 85-5.1

Evaluation of a Regional-Scale Acid Deposition Model

Author(s): J Kahl, G Keeler, M Fernau, PJ Samson

Annual Conference: 1985, Vol. 1

Paper ID: 85-5.2

Evaluation of the Isdme 1980 Data Set and a Regional Climatological Deposition Model

Author(s): BL Niermann Annual Conference: 1985, Vol. 1

Paper ID: 85-5.4

An Application of Long-Range Transport Models to a Comparison of Selected SO2 Emission Reduction Strategies

Author(s): WB Norris, LL Gautney, TC Loss

Annual Conference: 1985, Vol. 1

Paper ID: 85-5.5

Application of Long Range Transport Models to New York State's Sulfur Dioxide Emissions Policy

Author(s): P Galvin, F Sistla, H Hovey, ST Rao

Annual Conference: 1985, Vol. 1

Paper ID: 85-5.6

A Comparison of Predicted and Measured Sulfate Concentrations for Precipitation Events Whiteface Mountain

Author(s): AC Dittenhoefer, Af Ferullo Annual Conference: 1985, Vol. 1

Paper ID: 85-5.7

Sensitivity Analysis of Statistical Type Long Range Model

Author(s): ST Thomas, A Kumar, RN Vanipuram

Annual Conference: 1985, Vol. 1

Paper ID: 85-5.8

Sulfur Dioxide Emissions Monitoring from a Utility Source Having Multiple Stacks

Author(s): MA Dyer

Annual Conference: 1985, Vol. 4

Paper ID: 85-51.1

An Assessment of the Long-Term Precision of Continuous Emission Monitors

Author(s): R Rollins, TJ Logan, MR Midgett

Annual Conference: 1985, Vol. 4

Paper ID: 85-51.2

Quality Assurance Programs for Visible Emission Evaluations

Author(s): JW Walton, EC Koontz Annual Conference: 1985, Vol. 4

Paper ID: 85-51.6

EPA SO2 Stack Emission Monitoring is Simplified with New in Situ Solid Electrolyte Analyzer

Author(s): RL Nelson

Annual Conference: 1985, Vol. 4

Paper ID: 85-51.8

Coal Selection and Dual Flue Gas Conditioning to Aid in Meeting Air Pollution Control Regulation

Author(s): HG Fletcher

Annual Conference: 1985, Vol. 4

Paper ID: 85-53.1

Improving Precipitator Performance and Saving Energy with Intermittent Energization--A Case Study

Author(s): RR Crynack

Annual Conference: 1985, Vol. 4

Paper ID: 85-53.2

Simplifying Bus Section Failure Calculations for Electrostatic Precipitators

Author(s): K Reynolds, J Tong, F Taylor, L Theodore

Annual Conference: 1985, Vol. 4

Paper ID: 85-53.3

Experience with Upgrading Methodology for the Electrostatic Precipitators at Buick Motor Division's Facility in Flint, Michigan

Author(s): DN McLeod, HV Krigmont, RJ Triscori, HW

Spencer

Annual Conference: 1985, Vol. 4

Paper ID: 85-53.4

Experience with Solving Pressure Drop Problems on Four Identical 754,000 C.F.M. Fabric Filters

Author(s): VV Boley, JR Dulovich Annual Conference: 1985, Vol. 4

Paper ID: 85-54.1

Routine Testing of Fabrics

Author(s): RP Perkins, MW Westley Annual Conference: 1985, Vol. 4

Paper ID: 85-54.3

Control of Emission from the Preparation of Fluorescent Lamp Tubes

Author(s): MW First, JS Fabisak Annual Conference: 1985, Vol. 4

Paper ID: 85-54.4

Pressure Drop Behavior at a Pilot-Scale Fabric Filter During a Sonic Horn Frequency of Use Test

Author(s): KM Cushing, CJ Bustard, WB Smith

Annual Conference: 1985, Vol. 4

Paper ID: 85-54.5

Review of U.S. NOx Abatement Technology

Author(s): GD Jones, JD Mobley Annual Conference: 1985, Vol. 4

Paper ID: 85-55.2

An Experimental Investigation of the Effects of Flue Gas Recirculation on NO x Formation

Author(s): AL Mahjoob, SN Singh, SM Yokosh

Annual Conference: 1985, Vol. 4

Paper ID: 85-55.3

Development of the Industrial Combustion Emission Model for Acid Rain Analyses

Author(s): KF Held, JD Mobley Annual Conference: 1985, Vol. 4

Paper ID: 85-55.4

Reduction of Nitric Oxide Emissions on a Full-Scale Cement Kiln Using Primary Air Vitiation

Author(s): SC Hunter, RC Benson Annual Conference: 1985, Vol. 4

Paper ID: 85-55.5

Converting a Black Liquor Recovery Boiler to a Wood Waste and Coal-Fired Unit

Author(s): AB Adams, DP Meffert, JR Collins

Annual Conference: 1985, Vol. 4

Paper ID: 85-56.1

Release of Copper, Chromium and Arsenic from Burning wood Treated with Preservatives

Author(s): CK McMahon, PB Bush, EA Woolson

Annual Conference: 1985, Vol. 4

Paper ID: 85-56.3

Investigation of Emissions from Combustion of Urban Waste Wood in Industrial Boilers

Author(s): JE Berry, JE Chezem, RG Ostendorf, RC Scherr

Annual Conference: 1985, Vol. 4

Paper ID: 85-56.4

A Study of Factors Influencing NOx Emissions from Spreader Stoker Wood Residue Fired Boilers

Author(s): VJ Dallons, D Hoy Annual Conference: 1985, Vol. 4

Paper ID: 85-56.5

Granular Bed Emission Control of a Fluid-Bed Bark Combustor

Author(s): RM Tollett, AV Turchina, RG Ostendorf, LG

Navratil

Annual Conference: 1985, Vol. 4

Paper ID: 85-56.6

SO2 Emission Reduction Alternatives for Catalytic Cracking Units

Author(s): RF Beckman, RW Hospodarec, JE Ruud, DF Huber

Annual Conference: 1985, Vol. 4

Paper ID: 85-57.1

Control of Sox Emissions from Fluid Catalytic Cracking Unit via Arco Catalyst Technology

Author(s): KS Siefert, KC Chuang, RL Foster

Annual Conference: 1985, Vol. 4

Paper ID: 85-57.2

Catalytic Control of FCCU SOx Emissions

Author(s): G Bernstein

Annual Conference: 1985, Vol. 4

Paper ID: 85-57.3

Investigation of Sulfur Removal Using Direct Oxidation Processes

Author(s): GE Pack

Annual Conference: 1985, Vol. 4

Paper ID: 85-57.5

The Status of Dry Scrubbing in the United States

Author(s): GF Burnett, BE Basel Annual Conference: 1985, Vol. 4

Paper ID: 85-58.1

Start-Up and Operating Experience of the University of Minnesota Dry FGH System

Author(s): JC Buschmann, FD D'Ambrosi, M Mezner

Annual Conference: 1985, Vol. 4

Paper ID: 85-58.3

Dry Flue Gas Desulfurization Process for Various Coals

Author(s): MJ Widico, PH Dhargalkar Annual Conference: 1985, Vol. 4

Paper ID: 85-58.4

The Importance of Maintenance for Lime Flue Gas Desulfurization Systems

Author(s): LN Davidson, RA Goffredi, CP Wedig

Annual Conference: 1985, Vol. 4

Paper ID: 85-58.6

Effects of Recent Operating Experience on the Design of Spray Dryer FGD Systems

Author(s): AL Acannall, ML Meadows Annual Conference: 1985, Vol. 4

Paper ID: 85-58.8

Air Pollution: Its Evaluation and Control in Austria

Author(s): KM Sullivan

Annual Conference: 1985, Vol. 5

Paper ID: 85-59A.1

Air Quality Management in Hong Kong

Author(s): MW Chan

Annual Conference: 1985, Vol. 5

Paper ID: 85-59A.2

Present State of Environmental Impact Assessment in Japan

Author(s): K Shiozawa

Annual Conference: 1985, Vol. 5

Paper ID: 85-59A.3

Air Pollution Characteristics and Control Policies in China

Author(s): G Baosen

Annual Conference: 1985, Vol. 5

Paper ID: 85-59A.4

Problems of Air Pollution in the F.R.G. Example: Heavy Metals

Author(s): K Grefen

Annual Conference: 1985, Vol. 5

Paper ID: 85-59A.5

Air Pollution In Shanghai and Approaches to Control

Author(s): Z Zhongxing, Z Zipei Annual Conference: 1985, Vol. 5

Paper ID: 85-59A.7

Air Pollution in Barcelona City in Spain

Author(s): E Auli

Annual Conference: 1985, Vol. 5

Paper ID: 85-59A.8

Study of Lead Pollution of Taiwan Area National Freeway

Author(s): SC Lu, CC Hong, CJ Liu Annual Conference: 1985, Vol. 5

Paper ID: 85-59B.2

Atmospheric Lead Pollution in Areas of Children Schools in the City of Riyadh

Author(s): MS El-Shobokshy Annual Conference: 1985, Vol. 5

Paper ID: 85-59B.3

Ozone Monitoring and Night Concentrations Events at the Campus of the University of Mexico

Author(s): HA Bravo, RJ Torres Annual Conference: 1985, Vol. 5

Paper ID: 85-59B.4

Lung Cancer and Air Pollution in Guangzhou, China

Author(s): DYingxiu, C Xiaowei, L Zhuoqing, F Jeanwei, H

Lanfang, W Xiafen, F Zhengzhi Annual Conference: 1985, Vol. 5

Paper ID: 85-59B.5

Motor Vehicle Emissions in Kuwait

Author(s): S Al-mazidi

Annual Conference: 1985, Vol. 5

Paper ID: 85-59B.6

Survey of the Air Pollution and the Integrated Network for Measuring Emissions in Hungary

Author(s): M Kertesz, T Cziczo, T Varkonyi

Annual Conference: 1985, Vol. 5

Paper ID: 85-59B.7

A Brief Look at Lead Regulations and Their Potential Impacts in Saudi Arabia

Author(s): RA Zerbonia, MAA Deghaither, TH Zeitoun, RH

Holder

Annual Conference: 1985, Vol. 5

Paper ID: 85-59C.1

Air Pollution Modeling R&D in Italy and Kuwait

Author(s): P Zannetti

Annual Conference: 1985, Vol. 5

Paper ID: 85-59C.2

Dustfall in the City of Riyadh, Saudi Arabia

Author(s): MS El-Shobokshy Annual Conference: 1985, Vol. 5

Paper ID: 85-59C.3

A Very Simple and Sensitive Optical Detector for Major Air Pollutants

Author(s): A Marechal, G Fortunato Annual Conference: 1985, Vol. 5

Paper ID: 85-59C.6

Mexico City Rain Study: Ionic Composition of Unbuffered Rain

Author(s): YI Falcon, CR Ramirez, HG Carrillo

Annual Conference: 1985, Vol. 5

Paper ID: 85-59C.7

Continuous Suspended Particulates Sampling in an Industrial Area in Mexico City

Author(s): A Espitia, J Troncoso, M Magdaleno, E Arce

Annual Conference: 1985, Vol. 5

Paper ID: 85-59C.8

An Economical Method of Flue Gas Desulfurization

Author(s): JR Shook, C Ardis, L Lahti, A Kumar

Annual Conference: 1985, Vol. 5

Paper ID: 85-60.10

Materials for Outlet Ducts in Wet FGD Systems

Author(s): HS Rosenberg, GH Koch, CW Kistler, JA Beavers,

ML Meadows, DA Stewart, CE Dene Annual Conference: 1985, Vol. 5

Paper ID: 85-60.2

Dolomitic Lime Process for Retrofit FGD Applications

Author(s): JZ Abrams, SJ Zaczek Annual Conference: 1985, Vol. 5

Paper ID: 85-60.3

Techniques for Evaluating Alternate FGD Reagent Supplies

Author(s): LJ Dierking, PN Dyer Annual Conference: 1985, Vol. 5

Paper ID: 85-60.5

AMPUC Ambient Air Monitoring Program in Urbana-Champaign

Author(s): S Dharmavaram, PK Hopke, WW Pirkle

Annual Conference: 1985, Vol. 5

Paper ID: 85-60.7

Development, Evaluation and Application of an SO2 Emissions Simulator for an Advanced Design Portland Cement Plant

Author(s): WL Greer, GW Lindberg, PD Gutfreund

Annual Conference: 1985, Vol. 5

Paper ID: 85-61.2

Interferences of SO2 and Reduced Nitrogen Compounds in Particulate Sampling of Cement Kiln (Precalciner) Stacks

Author(s): RD Griffin, GC Quartucy, S Sheth

Annual Conference: 1985, Vol. 5

Paper ID: 85-61.3

Field Study of Air Motion Within Western Coal Mine Trenches

Author(s): RG Steen

Annual Conference: 1985, Vol. 5

Paper ID: 85-61.5

Drum Mix Asphalt Plants-Maryland's Experience

Author(s): KOC Gunkel, AL Bowles Annual Conference: 1985, Vol. 5

Paper ID: 85-61.7

High Solids Automotive Topcoats

Author(s): CC Anderson

Annual Conference: 1985, Vol. 5

Paper ID: 85-62.1

Assessment of Odor Problems Caused by Implementation of Low Solvent Technology at a Delaware Automotive Assembly Plant

Author(s): JW Peronti

Annual Conference: 1985, Vol. 5

Paper ID: 85-62.4

KPR System for VOC Emission Control from Paint Spray Booths

Author(s): RE Kenson

Annual Conference: 1985, Vol. 5

Paper ID: 85-62.5

Carbon Adsorption/Thermal Oxidation (Hybrid System)

Author(s): JV Bargen, J Quiel, W Schuliger, P Sengupta, R

Saxter

Annual Conference: 1985, Vol. 5

Paper ID: 85-62.6

Evaluation of Parameters Affecting Activated Carbon Adsorption of a Solvent Laden Air Stream

Author(s): ML Foster

Annual Conference: 1985, Vol. 5

Paper ID: 85-62.7

Massachusetts Air Toxics Program: A Unique Approach to Regulating Carcinogenic Substances

Author(s): HS Brown

Annual Conference: 1985, Vol. 5

Paper ID: 85-63.1

Control of Ambient Air Guidelines to Assess and Control Emissions of Toxic Air Pollutants

Author(s): RF Black

Annual Conference: 1985, Vol. 5

Paper ID: 85-63.3

A Technical Method for Demonstrating Environmental Acceptability of Non-Criteria Pollutants: Implementation within a New Source Review Program

Author(s): JL Trout

Annual Conference: 1985, Vol. 5

Paper ID: 85-63.4

New Source Review in Texas for Noncriteria Air Contaminant Impacts

Author(s): JH Price, JM Wiersema, ST Dydek, B Rogers

Annual Conference: 1985, Vol. 5

Paper ID: 85-63.5

EPA'S Experience with Assessment of Site-Specific Environmental Problems: A Review of IEMD'S Geographic Study of Philadelphia

Author(s): ER Haemisegger, AD Jones, FL Reinhardt

Annual Conference: 1985, Vol. 5

Paper ID: 85-63.6

The Answers to Converters Questions on Complaint Adhesives for Flexible Packaging Laminating

Author(s): RL Bashford

Annual Conference: 1985, Vol. 5

Paper ID: 85-64.2

Control of VOC Emissions from Flexographic Printing Ink Delivery Systems

Author(s): JE Walter, AM Ringel, MA Borski

Annual Conference: 1985, Vol. 5

Paper ID: 85-64.3

Innovative VOC Compliance in the Flexographic and Rotogravure Package Printing Industry

Author(s): JJ Morris

Annual Conference: 1985, Vol. 5

Paper ID: 85-64.4

Case Studies of VOC Rule Evaluations: The Cooperative Audit/Rule Effectiveness Approach

Author(s): A Bennett

Annual Conference: 1985, Vol. 5

Paper ID: 85-64.5

Estimating the Air Quality Impacts of Flare Operations

Author(s): DB Hunsaker, FC Kornegay

Annual Conference: 1985, Vol. 5

Paper ID: 85-64.7

Validation of the Semi-Volatile Organic Sampling Train Method for Measuring Emissions from Hazardous Waste Incinerators

Author(s): JB HomolyaJF McGaughey, DE Wagoner, MW

Hartman, JH Margeson, JE Knoll, MR Midgett

Annual Conference: 1985, Vol. 5

Paper ID: 85-65.1

Laboratory Evaluation of the Protocol for the Volatile Organic Sampling Train

Author(s): TJ Logan, RG Fuerst, MR Midgett, J Prohaska

Annual Conference: 1985, Vol. 5

Paper ID: 85-65.2

Vost vs. MS/MS--A Case Study

Author(s): DO Schmid, JM Osborne

Annual Conference: 1985, Vol. 5

Paper ID: 85-65.3

Evaluation of Parts per Billion (PPS) Organic Cylinder Gases for Use as Audits During Hazardous Waste Trial Burn Tests

Author(s): RKM Jayanty, SW Cooper, CE Decker, DJ

vonLehmden

Annual Conference: 1985, Vol. 5

Paper ID: 85-65.4

Sampling and Analytical Problems Associated with the Source Measurement Methods for POHC'S

Author(s): WS Smith

Annual Conference: 1985, Vol. 5

Paper ID: 85-65.5

Assessment, Monitoring and Modeling from a Superfund Site Remedial Action

Author(s): CE Schmidt, JKM Schmidt Annual Conference: 1985, Vol. 5

Paper ID: 85-66.2

Remedial Actions at a Former Industrial Waste Disposal Site

Author(s): RA Paschke, MA Santoro Annual Conference: 1985, Vol. 5

Paper ID: 85-66.3

Control of Fugitive Dust Emissions at Hazardous Waste Cleanup Sites

Author(s): KD Rosbury, SC James Annual Conference: 1985, Vol. 5

Paper ID: 85-66.4

Rapid Assessment of Exposure to Particulate Emissions from Surface Contamination Sites

Author(s): CCowherd, GE Muleski, PJ Englehart, DA Gillette

Annual Conference: 1985, Vol. 5

Paper ID: 85-66.5

Assessment of Dust Emissions and Resulting Inhalation Exposure at Vertac Chemical Corporation Site Jacksonville, Arkansas

Author(s): JW Falco, JL Schaum Annual Conference: 1985, Vol. 5

Paper ID: 85-66.6

Emerging Legal and Policy Considerations in the Siting of Hazardous Waste Management Facilities

Author(s): MB Van Hook Annual Conference: 1985, Vol. 5

Paper ID: 85-67.1

Selection and Evaluation of Hazardous Waste Disposal Sites Using Fuzzy Set Analysis

Author(s): RD Horsak, SA Damico Annual Conference: 1985, Vol. 5

Paper ID: 85-67.3

Effects of Burning Hazardous Wastes in Cement Kilns on **Conventional Pollutant Emissions**

Author(s): RE Mournighan, JA Peters, MR Branscome

Annual Conference: 1985, Vol. 5

Paper ID: 85-68.1

Test Results of Hazardous Waste Combustion in Two Cement Kilns

Author(s): JN Bolstad, JT Chehaske, M Branscome, CW Westbrook, RG Mournighan

Annual Conference: 1985, Vol. 5

Paper ID: 85-68.2

Cofiring of hazardous Wastes in Industrial Boilers

Author(s): C Castaldini, RJ DeRosier, HB Mason, DC

Wolbach, RA Olexsey

Annual Conference: 1985, Vol. 5

Paper ID: 85-68.3

An Alternate Method for High Level PCB Destruction

Author(s): TE Siedhoff

Annual Conference: 1985, Vol. 5

Paper ID: 85-68.4

Cofiring of Refuse Derived an Coal at the C.P. Crane Power Plant

Author(s): NG Lassahn

Annual Conference: 1985, Vol. 5

Paper ID: 85-68.5

Cogeneration Using Methane from Sewage Treatment Waste Digester Gas

Author(s): HL Hohnsen, AR Greenway Annual Conference: 1985, Vol. 5

Paper ID: 85-68.6

Permitting Waste to Energy Projects in California

Author(s): JD Rouge, P Beekley, R Kapani

Annual Conference: 1985, Vol. 5

Paper ID: 85-68.7

Monitoring and Evaluating Multiple Source Emissions at Hazardous Waste Sites

Author(s): KJ Skipa, DF Elias, JD Gram

Annual Conference: 1985, Vol. 5

Paper ID: 85-69.1

An Atmospheric Field Program Conducted at a Hazardous Waste Site

Author(s): RW Juback, RR Stoner, TF Iaccarion, DR Smiley

Annual Conference: 1985, Vol. 5

Paper ID: 85-69.3

Hazardous Emissions from Sanitary Landfills

Author(s): D Lipsky, B Jacot Annual Conference: 1985, Vol. 5

Paper ID: 85-69.4

Impacts of Atmospheric Tritium Releases from Solid Waste Storage Areas

Author(s): FC Kornegay

Annual Conference: 1985, Vol. 5

Paper ID: 85-69.7

The Influence of Meteorology on Wintertime Precipitation Chemistry

Author(s): JL Moody, PJ Samson, PJ Reynolds

Annual Conference: 1985, Vol. 1

Paper ID: 85-6A.1

Seasonal Variations in the Chemistry of Precipitation of the **United States**

Author(s): VC Bowersox, GJ Stensland

Annual Conference: 1985, Vol. 1

Paper ID: 85-6A.2

Time Series Analysis of Acid Rain Data Collected in North-Eastern United States

Author(s): WR Terry, A Kumar, JB Lee

Annual Conference: 1985, Vol. 1

Paper ID: 85-6A.3

Analysis of Recent Sulfur Wet Deposition and SO2 Emissions Trends in Eastern North America

Author(s): AC Dittenhoefer, Af Ferullo

Annual Conference: 1985, Vol. 1

Paper ID: 85-6A.5

Spatial Trend Analysis and Uncertainty Estimates of Acid Precipitation Data in Ontario

Author(s): AJS Tang, WH Chan Annual Conference: 1985, Vol. 1

Paper ID: 85-6A.6

Dry Deposition to Snow in an Urban Area

Author(s): JM Dasch, SH Cadle Annual Conference: 1985, Vol. 1

Paper ID: 85-6B.3

Concentration and Loading Gradients of Aidic Deposition in the Adirondack Park, New York

Author(s): AH Johannes, ER Altwicker Annual Conference: 1985, Vol. 1

Paper ID: 85-6B.4

Dust From Unpaved Roads as a Source of Cations in Precipitation

Author(s): DF Gatz, WR Barnard, GJ Stensland

Annual Conference: 1985, Vol. 1

Paper ID: 85-6B.6

Analysis of Wet Deposition at an Urban Location

Author(s): RA Foltman

Annual Conference: 1985, Vol. 1

Paper ID: 85-6B.7

Meso and Synoptic Scale Pollutant Transport: Review of Episode Formation and Transport Meteorology, Methods of Analysis and Anatomy

Author(s): MA Lazaro

Annual Conference: 1985, Vol. 1

Paper ID: 85-6B.8

Comparison of Chemical Mechanism for Regional Acid Deposition

Author(s): WR Stockwell Annual Conference: 1985, Vol. 1

Paper ID: 85-7.1

Formation of Sulfate in Non-Precipitation Clouds

Author(s): SK Nair, LK Pters, AJ Alkezweeny

Annual Conference: 1985, Vol. 1

Paper ID: 85-7.2

NO2 Transformation in Cloud Droplets

Author(s): AW Gertler, MR Whitbeck, DF Miller

Annual Conference: 1985, Vol. 1

Paper ID: 85-7.3

On The Acidity of Dew

Author(s): WR Pierson, WW Brachaczek, RA Gorse, SM

Japar, JM Norbeck

Annual Conference: 1985, Vol. 1

Paper ID: 85-7.4

Seasonal Variations in Atmospheric Chemistry in the Adirondacks

Author(s): TJ Kelly, RL Tanner, SE McLarsen, MV DuBois

Annual Conference: 1985, Vol. 1

Paper ID: 85-7.5

Inhibition of Transition Metal ION-- Catalyzed Oxidation of S(IV) Species in Rain and Cloud Drops

Author(s): ER Altwicker

Annual Conference: 1985, Vol. 1

Paper ID: 85-7.6

Studies of the Formation and Vertical Transport of Sulfur Compounds with a One-Dimensional Time Dependent Cloud Model

Author(s): TS Yuen, NC Lau Annual Conference: 1985, Vol. 1

Paper ID: 85-7.7

Estimates of Nitrate Formation in Rain and Snow Systems

Author(s): TY Chang

Annual Conference: 1985, Vol. 1

Paper ID: 85-7.8

Control of Emissions from Hazardous Waste , Waste Treatment Facilities

Author(s): JR Ehrenfeld, JH Ong Annual Conference: 1985, Vol. 6

Paper ID: 85-70.1

Laboratory Investigations of In-Situ Emission Control Methods for Surface Impoundments

Author(s): C Springer, KT Valsaraj, LJ Thibodeaux

Annual Conference: 1985, Vol. 6

Paper ID: 85-70.2

Techniques for Treating Hazardous Wastes to Remove Volatile Organic Constituents

Author(s): CC Allen, BL Blaney Annual Conference: 1985, Vol. 6

Paper ID: 85-70.4

Treatment of Contaminated Groundwaters with Granular Activated Carbon and Air Stripping

Author(s): MH Stenzel, US Gupta Annual Conference: 1985, Vol. 6

Paper ID: 85-70.5

Direct Thermochemical Conversion of Sewage Sludge to Fuel Oil

Author(s): PM Molton, AG Fassbender, MD Brown

Annual Conference: 1985, Vol. 6

Paper ID: 85-70.7

Designing Air Monitoring Programs for Remediation at Hazardous Waste Sites

Author(s): CE Schmidt, DL Gordy Annual Conference: 1985, Vol. 6

Paper ID: 85-72.2

Determination of Ambient Air Quality Impacts, From a Hazardous Waste Facility--A Case Study

Author(s): DA Cook, WE Sweet, AJ Polcyn

Annual Conference: 1985, Vol. 6

Paper ID: 85-72.5

Ambient Air Monitoring At Hazardous Waste Faculties

Author(s): FH Jarke

Annual Conference: 1985, Vol. 6

Paper ID: 85-72.6

Air Quality in Residences Adjacent to an Active Hazardous Waste Disposal Site

Author(s): JJ Miller, MB Betzer Annual Conference: 1985, Vol. 6

Paper ID: 85-72.7

Comparison of Metals Emissions Data from Hazardous Waste Incineration Facilities

Author(s): KE Kelly

Annual Conference: 1985, Vol. 6

Paper ID: 85-72.8

Protocols for Sampling and Analysis of Surface Impoundments and Land Treatment/Disposal Sites for VOCS

Author(s): RC Hanisch, MA McDevitt Annual Conference: 1985, Vol. 6

Paper ID: 85-73.1

Methods to Determine Emissions and Possible Health Effects of Organic Compounds from California Landfills

Author(s): D Todd, R Propper Annual Conference: 1985, Vol. 6

Paper ID: 85-73.2

Measurement of Particulate Emissions from Hazardous Disposal Sites

Author(s): C Cowherd

Annual Conference: 1985, Vol. 6

Paper ID: 85-73.3

Validation of Mathematical Models Predicting the Airborne Chemical Emission Rates from Saturated Soils

Author(s): J Caravanos, GH Sewell, TT Shen

Annual Conference: 1985, Vol. 6

Paper ID: 85-73.4

Volatile Organic Compounds in Gases from Landfill Simulators

Author(s): WG Vogt, JJ Walsh Annual Conference: 1985, Vol. 6

Paper ID: 85-73.5

Sampling Airborne Toxic Organics by Remote Control

Author(s): RJ Countess, R Brewer, RJ Gordon

Annual Conference: 1985, Vol. 6

Paper ID: 85-73.6

A Basic Programming Techniques for the Estimation of VOC Emissions from Hazardous Waste Treatment, Storage and Disposal Facilities

Author(s): CC Vaught

Annual Conference: 1985, Vol. 6

Paper ID: 85-73.8

Relationship Between Municipal Refuse Combustion Conditions and Trace Organic Emissions

Author(s): F Hasselriis

Annual Conference: 1985, Vol. 6

Paper ID: 85-76A.1

A New Theory of Dioxin Formation in Municipal Solid Waste Combustion

Author(s): RD Griffin

Annual Conference: 1985, Vol. 6

Paper ID: 85-76A.10

A Control Strategy for Municipal Solid Waste Incineration

Author(s): DA Frum

Annual Conference: 1985, Vol. 6

Paper ID: 85-76A.3

Emissions from and Sampling of Incineration of Pentachlorophenol Treated Wood

Author(s): TL Guinivan, T Tiernan, M Taylor, G Vanness, D

Deis, J Garrett, H Hodges Annual Conference: 1985, Vol. 6

Paper ID: 85-76A.4

The Origins and Methods of Controlling Polychlorinated Dibenzio-p-Dioxin and Dibenzofuran Emissions from MSW Incinerators

Author(s): B Commoner, T Webster, K Shapiro, M McNamara

Annual Conference: 1985, Vol. 6

Paper ID: 85-76A.5

Relation of Continuous Measurements to Incinerator Emissions

Author(s): BW Doyle

Annual Conference: 1985, Vol. 6

Paper ID: 85-76A.7

Assessment of Potential Public Health Impacts Associated with Predicted Emissions of Polychlorinated Dibenzo-Dioxins and Polychlorinated Dibenzo-Furans from a Resource Recovery Facility

Author(s): Dd Lipsky, K Boldt Annual Conference: 1985, Vol. 6

Paper ID: 85-76A.9

Air Emissions Tests of a Deutsche Babcock Anlagen Dry Scrubber System at the Munich North Refuse Fired Power Plant

Author(s): JL Hahn, HP Vondemfange, RJ Jordan, JA Finney

Annual Conference: 1985, Vol. 6

Paper ID: 85-76B.1

Dry Scrubbing MSW Incinerator Flue Gas By Spray Dryer Absorption: New Developments in Europe

Author(s): JT Moller, OB Christisansen Annual Conference: 1985, Vol. 6

Paper ID: 85-76B.3

Design of an RDF Power Plant to Meet State of Maine Emission Requirements

Author(s): WT Morgan, OF Fortune Annual Conference: 1985, Vol. 6

Paper ID: 85-76B.4

Resource Recovery Emission Control System Comparison

Author(s): AJ Teller

Annual Conference: 1985, Vol. 6

Paper ID: 85-76B.5

Assessment of Metal Emissions from Hazardous Waste Incinerators

Author(s): DD Wallace, AR Trenholm, DD Lane

Annual Conference: 1985, Vol. 6

Paper ID: 85-77.2

Environmental Impact of Hazardous Waste Incineration-An Alternate POHC Ranking Method

Author(s): JC Reed, JD Cobb, PM Purseglove

Annual Conference: 1985, Vol. 6

Paper ID: 85-77.3

Evaluation of Pilot-Scale Pollution Control Devices for Hazardous Waste Incineration

Author(s): HM Freeman, RA Olexsey Annual Conference: 1985, Vol. 6

Paper ID: 85-77.5

Evaluation of a Pilot Scale Circulating Bed Combustor as a Potential Hazardous Waste Incinerator

Author(s): DPY Chang, NW Sorbo, GS Murchison, RC

Adrian, DC Simeroth

Annual Conference: 1985, Vol. 6

Paper ID: 85-77.6

Mini-Burn Tests for Decision Making on Full-Scale Incinerators and Boilers

Author(s): JA Peters

Annual Conference: 1985, Vol. 6

Paper ID: 85-78.1

Pollution Prevention Pays in Hazardous Waste Management 3M'S 10 Year Effort

Author(s): MD Koenigsberger, AH Aspengren

Annual Conference: 1985, Vol. 6

Paper ID: 85-78.2

Flare Efficiency The Influence of Flare Head Design and Gas Composition

Author(s): BA Tichenor, JH Pohl Annual Conference: 1985, Vol. 6

Paper ID: 85-78.3

Chemical Industry's Position on Regulatory Control of Burning Hazardous Waste in Boilers

Author(s): WP Moore

Annual Conference: 1985, Vol. 6

Paper ID: 85-78.4

Experience in Continuous Monitoring of a Large Rotary Kiln Incinerator for CO,co2 AND 02

Author(s): SL Daniels, DR Martin, RA Johson, AD Potoff, JA

Jackson, RH Locke

Annual Conference: 1985, Vol. 6

Paper ID: 85-78.5

Odorous Emissions from Waste Disposal Sites Owner/Operator Concerns

Author(s): FH Harke

Annual Conference: 1985, Vol. 6

Paper ID: 85-79.1

Assessing the Impact of Odorous Emissions from Municipal Landfill Sites on the Surrounding Community

Author(s): AW Gnyp, CC St. pierre, EM Poositchi

Annual Conference: 1985, Vol. 6

Paper ID: 85-79.2

Air Pollution Aspects of Hazardous Waste Disposal in Texas

Author(s): IL Bilsky

Annual Conference: 1985, Vol. 6

Paper ID: 85-79.3

Quantification of Odors from Waste Sites

Author(s): JW Bradstreet, RA Duffee, JJ Zoldak

Annual Conference: 1985, Vol. 6

Paper ID: 85-79.4

A Rapid Screening Method for Evaluation the Community Odor Potential of Volatile Organic Liquid Waste Streams

Author(s): LK Engeland, AM Moran, PO Warner

Annual Conference: 1985, Vol. 6

Paper ID: 85-79.5

Soil Bed System for Control of Rendering Plant Odors

Author(s): WH Prokop, HL Bohn Annual Conference: 1985, Vol. 6

Paper ID: 85-79.6

Odor Control Measures During Excavation of RCRA Superfund Site

Author(s): JW Schweizer, MJ Nimmons, MH Wu

Annual Conference: 1985, Vol. 6

Paper ID: 85-79.7

Research Needs in Support of Secondary Standard Decisions on Particle-Related Soiling and Nuisance

Author(s): JD Bachman, FH Haynie, JW Spence

Annual Conference: 1985, Vol. 1

Paper ID: 85-8.1

The Measure of Soiling

Author(s): JP Lodge

Annual Conference: 1985, Vol. 1

Paper ID: 85-8.2

Legal Aspects of the Proposed Revised TSP Secondary Ambient Standards

Author(s): AT Stein

Annual Conference: 1985, Vol. 1

Paper ID: 85-8.4

Implications of Perception Thresholds for Soiling

Author(s): FVP Bradow, GR Lockhead, RL Bradow

Annual Conference: 1985, Vol. 1

Paper ID: 85-8.5

Forecasting Materials Damage from Air Pollution

Author(s): RE Wyzga, FW Lippert Annual Conference: 1985, Vol. 1

Paper ID: 85-8.6

Particulate Standards for Museums, Libraries and Archives

Author(s): NS Baer, PN Banks Annual Conference: 1985, Vol. 1

Paper ID: 85-8.8

Corrosion Rates of Galvanized Chain-Link Fence: A Field Study

Author(s): SB Cunningham, T Chico, FH Haynie

Annual Conference: 1985, Vol. 1

Paper ID: 85-8.9

Development of a Gas/Particle Fractionating Sampler for Chlorinated Organics

Author(s): ND Johnson, SC Baron, GHS Thomas, DA Lane,

WH Schroeder

Annual Conference: 1985, Vol. 6

Paper ID: 85-81.1

Storage Stability of Volatile Organic Compounds in Summa Polished Canisters

Author(s): JD Pleil, KD Oliver, WA McClenny

Annual Conference: 1985, Vol. 6

Paper ID: 85-81.2

Surface-Enhanced Raman Spectroscopy: A New Tool for Air Pollutants Detection

Author(s): TV Dinh, PD Enlow Annual Conference: 1985, Vol. 6

Paper ID: 85-81.3

Sensitive Spectrophotometric Determination of Benzene Using a New Reagent

Author(s): S Upadhyay, P Verma, VK Gupta

Annual Conference: 1985, Vol. 6

Paper ID: 85-81.4

A Computer-Based Data Acquisition System for a Mobile Atmospheric Research Laboratory

Author(s): MA Ferman, NA Kelly, GT Wolff

Annual Conference: 1985, Vol. 6

Paper ID: 85-81.5

A Study of the Ambient Measurement of Methylenedianiline (MDA) Using Neutral and Reactive Substrates

Author(s): R Dipietrantonio, PO Warner, M Coddens

Annual Conference: 1985, Vol. 6

Paper ID: 85-81.6

A New Absorbing System for Spectrophotemetric Determination of Atmospheric Nitrogen Dioxide

Author(s): S Sunita, VK Gupta Annual Conference: 1985, Vol. 6

Paper ID: 85-81.7

Measurement of Dissolved Sulfide in Geothermal Condensate

Author(s): DPY Chang, RL Corsi, C McNeece

Annual Conference: 1985, Vol. 6

Paper ID: 85-83.2

Sampling and Analytical Techniques for Air Pollution Source Tests of Incinerators of Explosive Materials

Author(s): SM VanSlyke, ST Scheibler, KE Williams, LD

Clark, MV Sheely

Annual Conference: 1985, Vol. 6

Paper ID: 85-83.3

Aircraft Sampling of Plumes from Chemical Waste Incineration

Author(s): D Pankratz, IH Tombach, JA Hill

Annual Conference: 1985, Vol. 6

Paper ID: 85-83.4

Receptor Modeling of a Natural Gas Processing Odor Source in a Rural Setting

Author(s): S Dattner, D Pendleton, O Ross, C Shelvin, T

Palmer

Annual Conference: 1985, Vol. 6

Paper ID: 85-83.6

Indoor Air Quality Inside Manufactured Housing in Texas

Author(s): TH Stock, RM Monsen, DA Sterling, SW Norsted

Annual Conference: 1985, Vol. 6

Paper ID: 85-85.1

Formaldehyde Concentrations Measured in California Mobile Homes

Author(s): K Sexton, MX Petreas, KS Liu, GC Kulasingam

Annual Conference: 1985, Vol. 6

Paper ID: 85-85.2

Merchant Exposure to CO From Motor Vehicle Exhaust at Honolulu's Ala Moana Shopping Center

Author(s): PG Flachsbart, DE Brown Annual Conference: 1985, Vol. 6

Paper ID: 85-85.3

Continuous Monitoring Method of the Neutralization Phenomena of Polonium-218

Author(s): KD Chu, PK Hopke Annual Conference: 1985, Vol. 6

Paper ID: 85-85.5

Monitoring Personal Exposure to Nitrogen Dioxide

Author(s): IF Goldstein, D Hartel, LR Andrews

Annual Conference: 1985, Vol. 6

Paper ID: 85-85.7

Visibility Protection in the Green Mountains: Elements of Plan Design

Author(s): PR Wishinski, RL Poirot, RA Valentinetti

Annual Conference: 1985, Vol. 1

Paper ID: 85-9.1

Urban Visibility-A Regulatory Approach to Solving the Problem

Author(s): JM Lents, J Clouse, J Gallagher, S Arnold

Annual Conference: 1985, Vol. 1

Paper ID: 85-9.2

Analysis of Policy Options for State Visibility Regulations

Author(s): D Latimer, SJ Connolly Annual Conference: 1985, Vol. 1

Paper ID: 85-9.3

Visibility Programs and Regulatory Issues within the National Park Service

Author(s): DB Joseph, MN Ross Annual Conference: 1985, Vol. 1

Paper ID: 85-9.4

The EPA Interagency Task Force on Visibility

Author(s): JD Bachmann Annual Conference: 1985, Vol. 1

Paper ID: 85-9.5

Implementation Plans for Visibility Protection--Part 11

Author(s): BV Polkowsky Annual Conference: 1985, Vol. 1

Paper ID: 85-9.7

Site Specific Meteorological Considerations for Emergency Preparedness and Response at a Coastal Nuclear Power Plant

Author(s): RH Thuillier, E Shelar Annual Conference: 1984, Vol. 1

Paper ID: 84.14.7

Air Quality from Hazardous Waste Treatment Storage and Disposal

Author(s): KA Walker

Annual Conference: 1984, Vol. 1

Paper ID: 84.3.1

Ambient Monitoring of Selected Halogenated Hydrocarbons and Benzene in the California South Coast Air Basin

Author(s): J Shikiya, G Tsou, J Kowalski, F Leh

Annual Conference: 1984, Vol. 1

Paper ID: 84-1.1

Human Exposure to Potentially Toxic Elements Through Ambient Air in Texas

Author(s): JM Wiersema, L Wright, B Rogers, R Barta, L

Haeuser, JH Price

Annual Conference: 1984, Vol. 1

Paper ID: 84-1.2

Air Quality in Hospitals and Laboratories

Author(s): EM Sterling, TD Sterling, DA Sterling

Annual Conference: 1984, Vol. 1

Paper ID: 84-1.4

Health Effects in a Population Living Near a Hazardous Waste Disposal Site

Author(s): KP Satin, M Deane, A Leonard, RR Neutra, M

Harnly

Annual Conference: 1984, Vol. 1

Paper ID: 84-1.5

Relationship Between Human Morbidity and Ambient Pollution: Preliminary Findings

Author(s): H Ozkaynak, GD Thurston, AD Schatz

Annual Conference: 1984, Vol. 1

Paper ID: 84-1.6

Contribution to Bacterial Mutagenicity from Nitro-Pah Compounds in Ambient Aerosols

Author(s): J Siak, TL Chan, TL Gibson, GT Wolff

Annual Conference: 1984, Vol. 1

Paper ID: 84-1.7

Personal Exposures, Outdoor Concentrations and Breath Levels of Toxic Air Pollutants Measured for 425 Persons in Urban, Suburban and Rural Areas

Author(s): LA Wallace, E Pellizzari, TD Hartwell, CM

Sparacino, LS Shledon, H Zelon Annual Conference: 1984, Vol. 1

Paper ID: 84-1.8

Sampling and Analytical Methods for Assessing Toxic and Hazardous Organic Emissions from Stationary Sources-A Critical Review of Current Methods and Practices

Author(s): AJ Polcyn, HE Hesketh Annual Conference: 1984, Vol. 1

Paper ID: 84-10.2

Correcting Problems in the Operation of Wet Scrubbers on Hazardous Waste Incinerators

Author(s): KC Schifftner Annual Conference: 1984, Vol. 1

Paper ID: 84-10.5

Superfund and Fugitive Dust-An Air Quality Study

Author(s): JA Ives, PA Doughty, GS Casuccio

Annual Conference: 1984, Vol. 6

Paper ID: 84-100.1

The Assessment of the State of the Art in Dust Collection Controls for the Sand and Gravel Industry

Author(s): JM Pryor

Annual Conference: 1984, Vol. 6

Paper ID: 84-100.10

Investigative Air Monitoring Study at a Burning Coal Refuse Pile in Oak Hill, West Virginia

Author(s): DE Seely, RJ Engle Annual Conference: 1984, Vol. 6

Paper ID: 84-100.11

An Assessment of Mercury Emissions form the Afton Copper Smelter

Author(s): JD Robertson, CJ Price Annual Conference: 1984, Vol. 6

Paper ID: 84-100.12

Development of Ambient Lead Control Strategies for a Secondary Lead Smelter

Author(s): DA Lawler, DR D'Auben, JE Shrock

Annual Conference: 1984, Vol. 6

Paper ID: 84-100.3

Statistical Exploration of the Effects of Copper Smelter Emissions on Visibility in Southwestern National Parks

Author(s): MD Williams, DH Nochumson

Annual Conference: 1984, Vol. 6

Paper ID: 84-100.5

Uncertainties in Predicting Fugitive Dust Emissions and Concentrations Around Western Surface Goal Mines

Author(s): KD Rosbury, RA Zimmer, J Rasmussen

Annual Conference: 1984, Vol. 6

Paper ID: 84-100.6

An Experimental Model Evaluation to Optimize the Ventilation System for a Clamshell Lime Unloader Hopper

Author(s): GB Gilbert, TE Hunter, D Ross

Annual Conference: 1984, Vol. 6

Paper ID: 84-100.7

24-Hour TSP Analysis for Fugitive Dust Sources

Author(s): KD Winges

Annual Conference: 1984, Vol. 6

Paper ID: 84-100.8

Modeling of Risk to Population from Multi-Species Exposure to Atmospheric Toxics

Author(s): GE Anderson

Annual Conference: 1984, Vol. 6

Paper ID: 84-102.2

Inhalation Pathway Risk Assessment of Hazardous Waste Incineration Facilities

Author(s): GA Holton, CC Travis, EL Etnier, FR O'Donnell

Annual Conference: 1984, Vol. 6

Paper ID: 84-102.3

A Review and Evaluation of Recent Literature on Ambient Concentrations, Emissions, Modeling and Population Exposure to Benzene, Toluene and Xylene

Author(s): RM Dowd, BG Doyle Annual Conference: 1984, Vol. 6

Paper ID: 84-102.5

Open Burning of Creosote Treated Rail Ties: A Case Study In Health Risk Assessment

Author(s): D Becker, G Eckhardt, J Seltz, T Johnson

Annual Conference: 1984, Vol. 6

Paper ID: 84-102.6

Measurements of Risk Assessment of Toxic Air Pollutants by Ambient Air Quality Monitoring Networks

Author(s): JA Hill, PW Painter Annual Conference: 1984, Vol. 6

Paper ID: 84-102.7

EPA'S Process of Assessing and Managing Risks Posed by Exposure to Toxic Air Pollutants

Author(s): DR Patrick

Annual Conference: 1984, Vol. 6

Paper ID: 84-103.2

An Illinois Case History of Toxic Airborne Materials Affecting :Land & Water Resources

Author(s): WH Busch

Annual Conference: 1984, Vol. 6

Paper ID: 84-103.3

Risk Assessment Criteria for Risk Management

Author(s): BD Goldstein Annual Conference: 1984, Vol. 6

Paper ID: 84-103.4

A Multi-Media Risk Analysis of Lead Exposure from Secondary Lead Smelter Emissions and Resulting Remedial Actions

Author(s): TJ Bierma, SA Tamplin, SA Ramirez, CJ Wiant,

GR Johnson

Annual Conference: 1984, Vol. 6

Paper ID: 84-103.9

A Comparison of Ambient Ozone Exposures for Selected Nonurban Sites

Author(s): AS Lefohn

Annual Conference: 1984, Vol. 6

Paper ID: 84-104.1

Field Exposure Methodology for Assessing the Effects of Photochemical Oxidants on Crops

Author(s): SV Krupa

Annual Conference: 1984, Vol. 6

Paper ID: 84-104.2

A Pollutant Exposure Control System for Determination of the Effects of Exposure Regimes on Plant Growth

Author(s): WE Hogsett, DT Tingey, SR Holman

Annual Conference: 1984, Vol. 6

Paper ID: 84-104.3

Statistical Models Air Pollutant Dose and Plant Response

Author(s): M Nosal

Annual Conference: 1984, Vol. 6

Paper ID: 84-104.5

An Approach for Specifying the Influence of Upwind Areas Using Back Trajectory Analysis

Author(s): M Pitchford, A Pitchford Annual Conference: 1984, Vol. 6

Paper ID: 84-107.1

Dimensional Analysis of the Vertical Distribution of Aerosols by Particle Size and Combustion

Author(s): JB Baron, LO Myrup, TA Cahill, RG Flocchini

Annual Conference: 1984, Vol. 6

Paper ID: 84-107.2

Comparison of a Single-Layer and a Multilayer Transport Model for Residence Time Analysis

Author(s): JF Bresch, T Henmi, ER Reiter, LL Ashbaugh

Annual Conference: 1984, Vol. 6

Paper ID: 84-107.3

Ontario Hydro's Application of Fisher's Statistical Long-Range Transport Model

Author(s): SC Wright, JE Grabenstetter, JD Holdsworth

Annual Conference: 1984, Vol. 6

Paper ID: 84-107.4

Precipitation During Long Range Transport: Assessing Its Effect on Particle Concentration at a Remote Site

Author(s): JS Nasstrom

Annual Conference: 1984, Vol. 6

Paper ID: 84-107.5

Elemental Composition of Artic Particulate Matter

Author(s): TA Cahill, RA Eldred Annual Conference: 1984, Vol. 6

Paper ID: 84-107.6

Diurnal Nature of Aerosol Transport from the Los Angeles Basin and Southern San Joaquin Valley into the Mojave Desert

Author(s): LO Myrup, RG Flocchini Annual Conference: 1984, Vol. 6

Paper ID: 84-107.7

Measurements of Dry Acid Deposition in California

Author(s): W John, SM Wall, JL Ondo Annual Conference: 1984, Vol. 6

Paper ID: 84-108.1

Strong Acid Aerosol Size Distributions in the Los Angeles Air Basin

Author(s): S Wall, J Ondo, W John Annual Conference: 1984, Vol. 6

Paper ID: 84-108.2

Dry Aid Deposition on Leaves of Ligustrum and a New Surrogate Leaf

Author(s): JL Ondo, W John, SM Wall Annual Conference: 1984, Vol. 6

Paper ID: 84-108.3

A Prototype Concentration Monitor for Estimating Acidic Dry Deposition

Author(s): JL Durham, TG Ellestad Annual Conference: 1984, Vol. 6

Paper ID: 84-108.4

Recent Field Studies of Dry Deposition to Surfaces in Plant Canopies

Author(s): SE Lindberg, GM Lovett, EA Bondietti, CI

Davidson

Annual Conference: 1984, Vol. 6

Paper ID: 84-108.5

Bulk Atmospheric Deposition Measurements, Orange County, California 1958-1975

Author(s): JL Wendt, DR Lawson, WG Bope

Annual Conference: 1984, Vol. 6

Paper ID: 84-108.6

Use of Quantitative Analysis in the NAAQS Review Process

Author(s): HC Thomas

Annual Conference: 1984, Vol. 6

Paper ID: 84-109.1

An Evaluation of Alternative Formulations of the National Ambient Air Quality Standards for SO2

Author(s): SR Hayes, JL Haney, CS Burton

Annual Conference: 1984, Vol. 6

Paper ID: 84-109.2

Revising the National Ambient Air Quality Standards for Particulate Matter-A Selective Sampling Monitoring Strategy

Author(s): NH Frank, SF Sleva, NJ Berg

Annual Conference: 1984, Vol. 6

Paper ID: 84-109.3

An Analysis of Alternative Particulate Matter Standards for the Chicago Metropolitan Area

Author(s): JC Butler

Annual Conference: 1984, Vol. 6

Paper ID: 84-109.4

Quantitative Information In the HAAQS Review Process: A Summary of a Benefit Cost Analysis for Particulate Matter

Author(s): RL Horst, EH Manuel, JT Bentley, AC Basala

Annual Conference: 1984, Vol. 6

Paper ID: 84-109.5

Estimating Air Quality Impacts and Associated Costs of Achieving Alternative National Ambient Air Quality Standards for Particulates Matter

Author(s): AE Smith, KL Brubaker Annual Conference: 1984, Vol. 6

Paper ID: 84-109.6

Estimation of Short-Term Sulfur Dioxide Population Exposures

Author(s): WA Biller, HC Thomas, TE Stoekenius, RA Paul

Annual Conference: 1984, Vol. 6

Paper ID: 84-109.7

The Role of Risk Assessment in Setting Ambient Air Quality Standards

Author(s): RE Wyzga, PC Freudenthal, HD Roth

Annual Conference: 1984, Vol. 6

Paper ID: 84-109.8

The Regulation of Hazardous and Toxic Substance in Waste Oils Used as Fuels

Author(s): J Menczel, J Ehmann, B Tornick

Annual Conference: 1984, Vol. 1

Paper ID: 84-11.1

The Formation and Fate of PCDD'S and PCDF'S During Chlorophenol Combustion

Author(s): TR Bridle, BK Afghan, HW Campbell, RJ

Wilkinson, J Carron, A Sachdev Annual Conference: 1984, Vol. 1

Paper ID: 84-11.2

PSD Permitting for an 18 MW Anthracite Culm-Fired Fluidized Bed Industrial Boiler

Author(s): AR Greenway, AR Morano Annual Conference: 1984, Vol. 1

Paper ID: 84-11.3

Waste Oil Use in Texas: Lead, Sulfur and Chlorine in Fuel Oils

Author(s): JM Jenks, V Anselmo, C Bradford, D Ehman, M

Lewis

Annual Conference: 1984, Vol. 1

Paper ID: 84-11.4

Lead Emissions from Waste Oil Combustion in Steel Production: A New Concern

Author(s): DA Cook, WE Sweet, AJ Polcyn

Annual Conference: 1984, Vol. 1

Paper ID: 84-11.5

Developing an Industrial Boiler Inventory

Author(s): JH Wilson, EH Pechan, SS Rothschild

Annual Conference: 1984, Vol. 6

Paper ID: 84-110.2

Reducing Opacity Emissions from Industrial and Utility Boilers

Author(s): CM Schidt, RD Allen Annual Conference: 1984, Vol. 6

Paper ID: 84-110.3

Detection of Sulfuric Acid Aerosols by a Mobility Classifier System

Author(s): JF McCarthy, G Mohiddin, MH Tollefson, JF

Elliott

Annual Conference: 1984, Vol. 6

Paper ID: 84-110.4

Clean Fuels for California's Electric Utility Industry

Author(s): GR Bemis, CY Mizutani, J Wang

Annual Conference: 1984, Vol. 6

Paper ID: 84-110.5

Design and Field Demonstration of a Low-NOx Burner for TEOR Steamers

Author(s): GC England, Y Kwan, R Payne, M Osborne

Annual Conference: 1984, Vol. 6

Paper ID: 84-110.9

Continuous Monitoring of Wormser Fluidized Bed Combustor

Author(s): EF Peduto, PF Fennelly, JW Podlenski, JO

Milliken

Annual Conference: 1984, Vol. 6

Paper ID: 84-1108

Poster Session/ Photochemical Model Development and Application 11

Author(s): P Gutfreund

Annual Conference: 1984, Vol. 6

Paper ID: 84-114P

Effects of Photochemical Kinetic Mechanisms on Oxidant Model Predictions

Author(s): JP Killus, GZ Whitten Annual Conference: 1984, Vol. 6

Paper ID: 84-114P.2

The Impact of Cloud Chemistry on Photochemical Oxidant Formation

Author(s): C Seigneur, P Saxena Annual Conference: 1984, Vol. 6

Paper ID: 84-114P.4

Relating Ambient Visibilities to Aerosol Composition

Author(s): CS Sloane, CT Wolff Annual Conference: 1984, Vol. 6

Paper ID: 84-115.1

A Practical Algorithm for Visibility Impairment Analysis

Author(s): TS Yuen

Annual Conference: 1984, Vol. 6

Paper ID: 84-115.2

Experimental and Modeling Studies of the Optical Effects of Particulate Plumes

Author(s): C Seigneur, RW Bergstrom, CD Johnson, LW

Richards

Annual Conference: 1984, Vol. 6

Paper ID: 84-115.3

Development, Application and Evaluation of Regional Visibility Models

Author(s): DA Latimer, H Hogo, RG Ireson, RE Morris, P

Saxena

Annual Conference: 1984, Vol. 6

Paper ID: 84-115.4

Development of a Periodic Control Strategy for Mobile Sources in the Denver Metro Area

Author(s): G Hagevik, A Grady Annual Conference: 1984, Vol. 6

Paper ID: 84-118.1

Brown Skies and Green Neighborhoods: Perception of Air Quality Traffic and Community Improvement

Author(s): I Mussen

Annual Conference: 1984, Vol. 6

Paper ID: 84-118.3

Carbon Monoxide Hotspots, Coldspots and Implications for Attainment Planning

Author(s): TE Perardi, RE DeMandel, DC Duker, W Siu

Annual Conference: 1984, Vol. 6

Paper ID: 84-118.4

Clean Air Targets and The Politics of Urban Travel-A Case Study

Author(s): CL Saricks

Annual Conference: 1984, Vol. 6

Paper ID: 84-118.5

Effects of Traffic Speed on the Ambient Pollutant Concentration Near Roadways

Author(s): WB Petersen, RE Eskridge, ST Rao, V Pagnotti

Annual Conference: 1984, Vol. 6

Paper ID: 84-118.6

Air Pollution Experiments in a Highway Tunnel

Author(s): KD Winges

Annual Conference: 1984, Vol. 6

Paper ID: 84-118.7

Synthetic Fuel Combustion in Utility Boilers: Tradeoffs in the Emission of Non-Criteria Pollutants

Author(s): MM Lobnitz, MG Webb Annual Conference: 1984, Vol. 1

Paper ID: 84-12.1

Hazardous Air Pollutants--Deciding Whom to Regulate and How Far to Go

Author(s): HV Nickel, JF Bowe Annual Conference: 1984, Vol. 1

Paper ID: 84-12.2

Relative Contributions of Utility Boilers to Total and Acidic Primary Sulfate Emissions in the Contiguous, Eastern and Northeastern United States

Author(s): IM Goklany, GF Hoffnagle Annual Conference: 1984, Vol. 1

Paper ID: 84-12.3

Candidate Sampling and Analysis Methods for Twenty-One Suspect Carcinogens in Combustion Emissions

Author(s): M Cooke, KB Degner, MC Osborne, JC Harris, AD

Little

Annual Conference: 1984, Vol. 1

Paper ID: 84-12.4

Emission and Atmospheric Impact of Trace Elements from a Reconverted Coal-Fired Power Plant

Author(s): GS Kowalczyk Annual Conference: 1984, Vol. 1

Paper ID: 84-12.6

Dioxin Formation and Destruction in Combustion Processes

Author(s): TS Wong

Annual Conference: 1984, Vol. 1

Paper ID: 84-12.7

Human Exposure Assessment: Background Concepts, Purpose and Overview of the Washington, DC, Denver, Colorado Field Studies

Author(s): GG Akland, WR Ott, LA Wallace

Annual Conference: 1984, Vol. 6

Paper ID: 84-121.1

Application of Microprocessors to Data Logging Problems in Air Pollution Exposure Field Studies

Author(s): W OTT, c Williams, C Rodes, R Drago, F

Burmann

Annual Conference: 1984, Vol. 6

Paper ID: 84-121.2

A Study of Personal Exposure to Carbon Monoxide in Denver, Colorado

Author(s): TR Johnson

Annual Conference: 1984, Vol. 6

Paper ID: 84-121.3

Study of Carbon Monoxide Exposure of Residents of Washington, DC

Author(s): TD Hartwell, Ca Clayton, RM Michie, RW Whitmore, HS Zelon, DA Whitehurst, GG Akland

Annual Conference: 1984, Vol. 6

Paper ID: 84-121.4

Evaluation of Two Methods for Measuring Formaldehyde at PPB Levels

Author(s): M Peatreas, S Twist, D Pon, M Imada

Annual Conference: 1984, Vol. 6

Paper ID: 84-121.6

Source and Ambient Air Monitoring for Chlorinated Hydrocarbons Using Modified High-Volume Sampling Techniques

Author(s): DR Pendleton, JM Jenks Annual Conference: 1984, Vol. 1

Paper ID: 84-13.1

Analysis of Tetrachlorinated Dibenzo-P-Dioxins in Soil and Foam Plugs by GC/MS/MS

Author(s): HS ZARR, jl Lindgren, JM Jenks

Annual Conference: 1984, Vol. 1

Paper ID: 84-13.2

Analysis of Ambient Air Samples for Chlorothalonil: Comparison of Analytical Results from GC/MS and GC/MS/MS

Author(s): JL Lindgren, HJ Kruass, NS Zarr, JM Jenks

Annual Conference: 1984, Vol. 1

Paper ID: 84-13.4

Benzo(a) Pyrene in New Jersey-Results from a Twenty-Seven-Site Study

Author(s): R Harkov, A Greenberg Annual Conference: 1984, Vol. 1

Paper ID: 84-13.6

Meteorological Aspects of Emergency Preparedness and Response: An Overview

Author(s): RR Stoner, BL Orndorff, TE Pierce

Annual Conference: 1984, Vol. 1

Paper ID: 84-14.1

Transport and Dispersion Considerations in TVA Radiological Emergency Response Procedures

Author(s): DE Pittman, SF Mueller, MS Robinson, NA

Nielsen

Annual Conference: 1984, Vol. 1

Paper ID: 84-14.11

Evaluation of Savannah River Plant Emergency Response Model Using Standard and Nonstanding Meteorological Data

Author(s): DD Hoel

Annual Conference: 1984, Vol. 1

Paper ID: 84-14.4

Effects of Nearby Surface Features on Windy Speed at a Nuclear Plant Meteorological Station

Author(s): NA Nielsen, RJ Goodwin, DE Pittman

Annual Conference: 1984, Vol. 1

Paper ID: 84-14.6

Structured Analysis Techniques Applied to the Design of a National Emergency Response System

Author(s): RL Baskett

Annual Conference: 1984, Vol. 1

Paper ID: 84-14.8

Emergency Response Atmospheric Dispersion and Assessment System

Author(s): A Roffman, MW Chandler, SA Murawski

Annual Conference: 1984, Vol. 1

Paper ID: 84-14.9

Time-Series Model for Predicting Ambient TSP Concentrations at Monitors Located Near Coal-Fired Power Plant

Author(s): WW Hicks, G Siple Annual Conference: 1984, Vol. 1

Paper ID: 84-15.1

New Horizontal and Vertical Mass Transfer Coefficient Equation Formulations Coefficient Equation Formulations Applied to a Refinery Data Base

Author(s): LJ Hellums, DG Fine, SS DeCoursey, KA Cronic

Annual Conference: 1984, Vol. 1

Paper ID: 84-15.2

Observations and Parameterization of Overwater Atmospheric Diffusion

Author(s): WF Dabberdt Annual Conference: 1984, Vol. 1

Paper ID: 84-15.3

Comparison of Two Air Quality Models (CDM and ISC) Predicted Concentrations for Surface Mining

Author(s): MJ Komp, DF Elias, TM Swain, MR Myers

Annual Conference: 1984, Vol. 1

Paper ID: 84-15.4

Application of a Lagrangian Dispersion Model to Short Term Releases of Pollutants

Author(s): M Schorling

Annual Conference: 1984, Vol. 1

Paper ID: 84-15.6

Source of Mutagens in Contra Costa County Community Aerosols

Author(s): CP Flessel, GBN Guirguis, JC Cheng, KI Chang,

ES Hahn, S Twiss, JJ Wesolowski Annual Conference: 1984, Vol. 1

Paper ID: 84-16.1

Biogenic and Anthropogenic Carbonaceous Aerosols and Their Precursors within a Forest Canopy

Author(s): RL Tanner, JS Gaffney Annual Conference: 1984, Vol. 1

Paper ID: 84-16.2

Organic Oxysulfur Compounds in the Atmosphere

Author(s): DJ Eatough, LD Hansen Annual Conference: 1984, Vol. 1

Paper ID: 84-16.3

Receptor Source Apportionment Models for Three Fractions of Respirable Particulate Organic Matter

Author(s): JM Daisey, PK Hopke Annual Conference: 1984, Vol. 1

Paper ID: 84-16.4

Diurnal Mutagenicity of Airborne Particulate Organic Matter Adjacent to a Heavily Traveled West Los Angeles Freeway

Author(s): JA Sweetman, W Harger, DR Fitz, HR Paur, AM

Winer, JN Pitts

Annual Conference: 1984, Vol. 1

Paper ID: 84-16.5

Application of Cluster Analysis to Identify Sources of Airborne Polycyclic Aromatic Hydrocarbons

Author(s): KE Thrane

Annual Conference: 1984, Vol. 1

Paper ID: 84-16.6

Evaluation of Interpretive Methods Used on Pollution Data

Author(s): ED Pellizzari, TD Hartwell, J Crowder, JT Bursey

Annual Conference: 1984, Vol. 1

Paper ID: 84-17.1

Design and Implementation of a Mobile Monitoring Unit (MMU) to Measure Ambient Volatile Organic Compounds

Author(s): B Haggert, R Havkov Annual Conference: 1984, Vol. 1

Paper ID: 84-17.2

Sampling and Analytical Methodology for the Determination of Organic Emissions from Aircraft Engine Exhaust

Author(s): MW Holdren, RM Riggin, CW Spicer, TF Lyon

Annual Conference: 1984, Vol. 1

Paper ID: 84-17.3

The Effectiveness and Cost Benefit of a Luminescence Screening Procedure for Polyaromatic Pollutants in Ambient Air

Author(s): TV Dinh

Annual Conference: 1984, Vol. 1

Paper ID: 84-17.4

Temperature-Dependent Collection Efficiency of a Cryogenic Trap for Trace-Level Volatile Organic Compounds

Author(s): JD Pleil, WA McClenny Annual Conference: 1984, Vol. 1

Paper ID: 84-17.5

Automated Calibration and Analysis of VOCs with a Capillary Column Gas Chromatograph Equipped for Reduced Temperature Trapping

Author(s): WA McClenny, JD Pleil Annual Conference: 1984, Vol. 1

Paper ID: 84-17.6

Field Experience in Sampling Hazardous Waste Incinerators

Author(s): P Gorman, F Bergman, D Oberacker

Annual Conference: 1984, Vol. 1

Paper ID: 84-18.2

Air Emissions from Industrial Boilers Burning Hazardous Waste Materials

Author(s): RA Olexsey

Annual Conference: 1984, Vol. 1

Paper ID: 84-18.3

Evaluation of Analytical Methods for the Determination of POHC in Combustion Products

Author(s): RH James, RE Adams, JM Finkel, HC Miller, LD

Johnson

Annual Conference: 1984, Vol. 1

Paper ID: 84-18.5

A Comparison of Methods of Computing Precipitation ph Average

Author(s): GJ Stensland, VC Bowersox Annual Conference: 1984, Vol. 1

Paper ID: 84-19.1

The 1981 Precipitation Chemistry Data Set: Complication, Display, Interacomparison and Interpretation

Author(s): BL Niemann

Annual Conference: 1984, Vol. 1

Paper ID: 84-19.3

North American Acid Deposition Data System and Its Use in Spatial Analysis

Author(s): CR Watson, AR Olsen Annual Conference: 1984, Vol. 1

Paper ID: 84-19.4

The Effect of Season and Synoptic Storm Type on Precipitation Chemistry

Author(s): LE Topol, R Vijayakumar, CM McKinley, TL

Waldron

Annual Conference: 1984, Vol. 1

Paper ID: 84-19.5

Trends in Precipitation Chemistry in Southern California

Author(s): MD Zeldin, EC Ellis Annual Conference: 1984, Vol. 1

Paper ID: 84-19.6

Meteorological Factors Influencing the Acidity of Fog in the Los Angeles Basin

Author(s): SL Marsh, LD Bergman Annual Conference: 1984, Vol. 1

Paper ID: 84-19.7

Wet and Dry Deposition Monitoring in Southeastern Michigan

Author(s): JM Dasch, SH Cadle Annual Conference: 1984, Vol. 2

Paper ID: 84-20.1

A Comparison of Lagrangian Precipitation Statistics Computed with Two Regional Scale Atmospheric Transport Models

Author(s): AC Dittenhoefer, AF Ferullo Annual Conference: 1984, Vol. 2

Paper ID: 84-20.2

A Case Study of the Effects of Local and Distant Sources of Alkaline Material on Precipitation in the Midwest and Plains

Author(s): KG Doty, RG Seminin Annual Conference: 1984, Vol. 2

Paper ID: 84-20.3

Trace Elements in North Florida Precipitation

Author(s): ES Edgerton

Annual Conference: 1984, Vol. 2

Paper ID: 84-20.4

Sequential Monitoring of Acidic Deposition the Shenandoah Valley with Origins in the Ohio Valley

Author(s): JM Hughes, AR Walker, KT Lee

Annual Conference: 1984, Vol. 2

Paper ID: 84-20.6

Precipitation Chemistry and Mineral Deposition in Israel

Author(s): Y Mamane

Annual Conference: 1984, Vol. 2

Paper ID: 84-20.7

Florida Acid Deposition Study, Statistical Analysis of Monitoring Results for the Period September 15,1981-September 14,1982

Author(s): KF Kosky, ES Edgerton, JD Schert, JT McClave,

CD Henderson

Annual Conference: 1984, Vol. 2

Paper ID: 84-20.9

The Effect of a Large-Scale Utility Sulfur Dioxide Emissions Control Program on Local and Regional Sulfur Measurements

Author(s): WJ Parkhurst, TL Crawford, NT Lee, JD Lokey

Annual Conference: 1984, Vol. 2

Paper ID: 84-21.2

Urban and Local Source Effects on Precipitation Chemistry

Author(s): FW Lipfert, LR Dupuis Annual Conference: 1984, Vol. 2

Paper ID: 84-21.3

Further Analysis of the Ratios of Major Ions in Wet Acidic Deposition with Implications for SO2 Emissions-Wet SO Deposition Relationships

Author(s): BL Niemann

Annual Conference: 1984, Vol. 2

Paper ID: 84-21.5

Statistical Analysis of Relationship Between Precipitation Chemistry and Air Quality in New Hampshire and Precursor Emissions

Author(s): FW Lipfert, E Kaplan, M Daum

Annual Conference: 1984, Vol. 2

Paper ID: 84-21.6

Analysis and Comparison of Past and Present Aquatic Acidification Data

Author(s): JR Kramer

Annual Conference: 1984, Vol. 2

Paper ID: 84-22.1

Investigations of the Role of Internally Generated H+ and A1***on Soil and Surface Water Acidification

Author(s): JC Noggle, HC Jones, JD Joslin, RW Garber, JM

Kelly, H Olem, PF Brewer Annual Conference: 1984, Vol. 2

Paper ID: 84-22.3

Potential Effects of Acid Deposition in the West

Author(s): HL Bohn

Annual Conference: 1984, Vol. 2

Paper ID: 84-22.4

Appraisal of Some Current Hypotheses Describing Acidification Watersheds

Author(s): EC Krug, PJ Isaacson, CR Frink

Annual Conference: 1984, Vol. 2

Paper ID: 84-22.5

Acid Rain Effects Research--A Status Report

Author(s): AS Lefohn, RW Brocksen Annual Conference: 1984, Vol. 2

Paper ID: 84-22.6

The Alkalinity of Pristine Lakes in the High Sierra Mountains

Author(s): MME Amamy, GR Bradford, AL Page, CA Fox

Annual Conference: 1984, Vol. 2

Paper ID: 84-22.7

Determination of Chemical Abundance and Element Ratios of Soil Aerosols Produced by Different Aerosol Generation Methods

Author(s): LC Chu, GJ Stensland, MV Miller, DF Gatz

Annual Conference: 1984, Vol. 2

Paper ID: 84-22.8

The Transport of Reactive Pollutants within Local Circulations

Author(s): GR Carmichael, T Kitada, LK Peters, H Ueda

Annual Conference: 1984, Vol. 2

Paper ID: 84-24.1

Development and Evaluation of an Acidic Rain Trajectory Model

Author(s): C Seigneur, P Saxena, V Mirabella

Annual Conference: 1984, Vol. 2

Paper ID: 84-24.2

Aerosol Composition in a Stagnant Air Mass Impacted by Dense Fogs: Preliminary Results

Author(s): DJ Jacob, JW Munger, JM Waldman, MR Hoffman

Annual Conference: 1984, Vol. 2

Paper ID: 84-24.5

Evidence of Aqueous Phase SO Oxidation in Power Plant Plumes

Author(s): AC Dittenhoefer Annual Conference: 1984, Vol. 2

Paper ID: 84-24.7

A Flexible Non-Empirical Model for Cloud Chamber Studies

Author(s): N Robinson, M Whitbeck Annual Conference: 1984, Vol. 2

Paper ID: 84-24.8

Comparison of Acid Deposition Models

Author(s): JA Fay, DS Golomb, S Kumar

Annual Conference: 1984, Vol. 2

Paper ID: 84-25.4

Assessment of the Near-Source Impact of Primary Sulfates and Nitrates from a Sulfuric Acid Plant and a Pulp and Paper Mill

Author(s): WG Kistler, JD McCain, DH Carnes

Annual Conference: 1984, Vol. 2

Paper ID: 84-25.5

The Sensitivity of Sulfate Source-Receptor Relationships to Meteorological Variability

Author(s): J Kahl, GJ Keeler, PJ Samson Annual Conference: 1984, Vol. 2

Paper ID: 84-25.6

The Impact of Plume Penetration Effects on Long Range Transport of Emissions

Author(s): ST Thomas, A Kumar, VN Ravindran

Annual Conference: 1984, Vol. 2

Paper ID: 84-25.8

An Integrated Emissions Model System for Analysis of Acid Deposition Control Strategies

Author(s): P Schwengels, E Pechan, K Graves, D Streets

Annual Conference: 1984, Vol. 2

Paper ID: 84-27.1

Equity, Efficiency and Sulfur Emission Reductions

Author(s): C Pechman

Annual Conference: 1984, Vol. 2

Paper ID: 84-27.2

An Assessment of Coal Washing as a Strategy for Mitigating Acid Deposition

Author(s): JF Skea, ES Rubin Annual Conference: 1984, Vol. 2

Paper ID: 84-27.3

Strategies for Reducing Sulfur Dioxide Emissions from Midwest Electric Utilities

Author(s): JJ Stukel, CW Bullard Annual Conference: 1984, Vol. 2

Paper ID: 84-27.4

Coal Cleaning as an Acid Rain Mitigation Strategy: An In-Depth Examination

Author(s): DB Garvey, RD Doctor, JL Anderson, CD

Livengood, PS Farber

Annual Conference: 1984, Vol. 2

Paper ID: 84-27.5

Forecasting Future Industrial SO2 and NOx Emissions

Author(s): K Graves, E Pechan, D Turner

Annual Conference: 1984, Vol. 2

Paper ID: 84-27.6

Salable FGD Chemical Production Through National SO2 Emission Inventory Reduction

Author(s): JD Maddox, KB Hinerman, W Ellison

Annual Conference: 1984, Vol. 2

Paper ID: 84-27.7

Regulation of Toxic or Hazardous Air Contaminants from Land Disposal Sites

Author(s): E Camarena, CA Coy Annual Conference: 1984, Vol. 1

Paper ID: 84-3.2

Sampling Approaches for Measuring Emission Rates from Hazardous Waste Disposal Facilities

Author(s): WD Balfour, CE Schidt Annual Conference: 1984, Vol. 1

Paper ID: 84-3.3

Thermal Effects on the Emission of Volatile Organic Chemicals from Surface Waste-Water Impoundments in the Absence of Wind: Laboratory Measurements

Author(s): C Springer, LJ Thibodeaux, T Hedden

Annual Conference: 1984, Vol. 1

Paper ID: 84-3.4

Dust Suppression Test for Remedial Action at a Hazardous Landfill

Author(s): JJ Shah, SL Heisler, V Shortell, JA Scarf

Annual Conference: 1984, Vol. 1

Paper ID: 84-3.6

Monitoring Volatile Organic Compounds at Hazardous and Sanitary Landfills in New Jersey

Author(s): SJ Gianti, R Harkov, JW Bozzelli

Annual Conference: 1984, Vol. 1

Paper ID: 84-3.7

A Pilot Scale Study of Volatile Organic Emissions from Hazardous Waste Landfills

Author(s): G Hildebrand, C Springer, L Thibodeaux

Annual Conference: 1984, Vol. 1

Paper ID: 84-3.8

Pollutant Mixtures Studies and the Setting of Ambient Air Sampling

Author(s): LJ Zaragoza, TC Curran Annual Conference: 1984, Vol. 2

Paper ID: 84-30.1

The Co-Occurrence of Potentially Phytotoxic Concentrations of Various Gaseous Air Pollutants

Author(s): AS Lefohn, DT Tingey Annual Conference: 1984, Vol. 2

Paper ID: 84-30.2

Assessing Effects of Pollutants Mixtures (03,SO2,NO2)

Methods and Knowledge Crops

Author(s): DP Ormrod

Annual Conference: 1984, Vol. 2

Paper ID: 84-30.4

Response of Forest Species to O3, SO2 and NO2 Mixtures

Author(s): PR Miller, KW Stolte Annual Conference: 1984, Vol. 2

Paper ID: 84-30.5

Dosimetry of Ozone and Nitrogen Dioxide in Man and Animals

Author(s): JH Overton, FJ Miller Annual Conference: 1984, Vol. 2

Paper ID: 84-31.2

Assessing Health Effects Following Exposure to Ozone by Combining Literature Data with a Dosimetric Model

Author(s): ED Smolko, DB Menzel, RL Wolpert, DJ McKee

Annual Conference: 1984, Vol. 2

Paper ID: 84-31.3

The Integration of Species Sensitivity and Dosimetry in the Extrapolation of Ozone and Nitrogen Dioxide Health Data from Animal to Man

Author(s): JA Graham, GE Hatch Annual Conference: 1984, Vol. 2

Paper ID: 84-31.4

Air Demands of Residential Combustion Appliances

Author(s): ACS Hayden, RW Braaten Annual Conference: 1984, Vol. 2

Paper ID: 84-32.1

Ventilation Compliance Tests for Houses

Author(s): JH White

Annual Conference: 1984, Vol. 2

Paper ID: 84-32.2

Results of Testing Unvented Kerosene Heaters in a House: Gas Emissions, Surface Temperatures and Fuel Consumption Rates

Author(s): SG Clarkson, BL Tom, AJ Babcock, KA Mehkeri

Annual Conference: 1984, Vol. 2

Paper ID: 84-32.4

Measurement of Combustion Products from a Gas Cooking Stove in a Two-Storey House

Author(s): Y Goto, GT Tamura Annual Conference: 1984, Vol. 2

Paper ID: 84-32.5

Indoor Air Quality Associated with Conventional and New Technology Wood Heaters in a Weatherized Home

Author(s): CV Knight, MP Humphreys Annual Conference: 1984, Vol. 2

Paper ID: 84-32.6

Control of Pollutants from Woodburning Stoves in the Indoor Environment

Author(s): RE Imhoff

Annual Conference: 1984, Vol. 2

Paper ID: 84-32.7

Carbon Monoxide Poisoning in Housing Contributing Factors and Remedial Measures

Author(s): PA Russell, TD Robinson Annual Conference: 1984, Vol. 2

Paper ID: 84-32.8

Radon Decay-Product Behavior Indoors: Numerical Modeling of Convection Effects

Author(s): GE Schiller, AV Nero, KL Revzan, CL Tien

Annual Conference: 1984, Vol. 2

Paper ID: 84-33.2

A Field Study of Indoor Air Contaminant Levels Associated with Unvented Combustion Sources

Author(s): BP Leaderer, JAJ Stolwijk, RT Zagraniski, MQ

Shan

Annual Conference: 1984, Vol. 2

Paper ID: 84-33.3

Indoor Air Pollution to Emissions from Wood Burning Stoves

Author(s): GW Traynor, MG Apte, AR Carruthers, JF

Dillworth, DT Grimsrud, LA Gundel Annual Conference: 1984, Vol. 2

Paper ID: 84-33.4

Indoor and Outdoor Aerosols: A Multivariate Approach to Source Identification

Author(s): SM McCarthy, SD Colome, JD Spengler

Annual Conference: 1984, Vol. 2

Paper ID: 84-33.6

Application of Automated Particle Analysis to Indoor Source Apportionment

Author(s): SB Hayward, K Sexton, LM Webber

Annual Conference: 1984, Vol. 2

Paper ID: 84-33.8

Survey of State and Local Agency Response to Indoor Air Quality Problems

Author(s): JE Yocom, JA Frazier Annual Conference: 1984, Vol. 2

Paper ID: 84-35.1

Formaldehyde Indoor Air Problems

Author(s): B Meyer, K Hermanns Annual Conference: 1984, Vol. 2

Paper ID: 84-35.2

Control of Indoor Radon by Activated Carbon Filters

Author(s): MA Brisk, A Turk Annual Conference: 1984, Vol. 2

Paper ID: 84-35.3

Residential Radon Control by Subslab Ventilation

Author(s): HM Sachs, TL Hernandez Annual Conference: 1984, Vol. 2

Paper ID: 84-35.4

Review of Maryland's Licensing Regulation for the Control of Friable Asbestos

Author(s): DAP Andrew, FD Whitehead, AS Weikert

Annual Conference: 1984, Vol. 2

Paper ID: 84-35.5

California's Indoor Air Quality Program

Author(s): K Sexton, JJ Wesolowski Annual Conference: 1984, Vol. 2

Paper ID: 84-35.6

Legal Aspects of Indoor Air Pollution in Homes

Author(s): LS Kirsch

Annual Conference: 1984, Vol. 2

Paper ID: 84-35.8

Assessment of Actual Versus Modeled SO2 Impacts of Two Pulp Mills in a Northwestern River Valley Using Complex1

Author(s): WB Crews, RE Gilbert, JE Walter

Annual Conference: 1984, Vol. 2

Paper ID: 84-36.1

Emissions of Organic Compounds from Veneer Dryers and Their Control

Author(s): V Dallons

Annual Conference: 1984, Vol. 2

Paper ID: 84-36.2

Advances in the Characterization and Control of Emissions from Prescribed Fires

Author(s): DE Ward, CC Hardy Annual Conference: 1984, Vol. 2

Paper ID: 84-36.3

Washington State Smoke Management Plan, Objectives, Operations and Results

Author(s): D Weaver, HF Droege Annual Conference: 1984, Vol. 2

Paper ID: 84-36.4

Meeting Laer NOx Requirements for an Industrial Combined Cycle Gas Turbine Cogeneration System at a Paper Mill

Author(s): JE Walter, WB Crews, EJ Chism, RR Roe

Annual Conference: 1984, Vol. 2

Paper ID: 84-36.5

Emission Control System for MSW Incineration in Resource Recovery New Developments

Author(s): AJ Teller

Annual Conference: 1984, Vol. 2

Paper ID: 84-37.1

Air Pollution Control of Municipal Solid Waste Incinerators

Author(s): DR Mills

Annual Conference: 1984, Vol. 2

Paper ID: 84-37.2

Air Pollutant Emissions During Co-Firing of Coal and Refuse Derived Fuel

Author(s): G Stine, RM Burton Annual Conference: 1984, Vol. 2

Paper ID: 84-37.4

Dry Scrubbing of Municipal Solid Waste Incinerator Flue Gas By Spray Dryer Absorption

Author(s): JT Moller, OB Christiansen Annual Conference: 1984, Vol. 2

Paper ID: 84-37.5

Emissions of Chlorinated Organics from Two Municipal Incinerators in Ontario

Author(s): V Ozvacic, G Wong, H Tosine, RE Clement, J

Osborne

Annual Conference: 1984, Vol. 2

Paper ID: 84-37.6

VOC Emission Reduction and Other Benefits Achieved by Major Powder Coating Operations

Author(s): GE Cole

Annual Conference: 1984, Vol. 3

Paper ID: 84-38.1

Understanding the Economics of Compliance Coatings

Author(s): H Ellerhorst

Annual Conference: 1984, Vol. 3

Paper ID: 84-38.3

Regulations Controlling the VOC Emissions from Paints-The Benefits!

Author(s): R Joseph

Annual Conference: 1984, Vol. 3

Paper ID: 84-38.4

Evaluation of Alternate Methods for the Determination of VOC Capture Efficiency at Surface Coating Operations

Author(s): DB Hunt, JL Randall, RJ Turner

Annual Conference: 1984, Vol. 3

Paper ID: 84-38.5

Overview of New Source Performance Standards Program for Coatings

Author(s): WL Johnson

Annual Conference: 1984, Vol. 3

Paper ID: 84-38.6

Practical Considerations in Selecting an Inert Gas Condensation System for Solvent Recovery

Author(s): DJ Reiman

Annual Conference: 1984, Vol. 3

Paper ID: 84-38.7

The Recirculated Air Spray Booth-A User Report

Author(s): RE Schuster

Annual Conference: 1984, Vol. 3

Paper ID: 84-38.8

Development and Application of a Water Reductible Primer for the Aerospace Industry

Author(s): B Levine

Annual Conference: 1984, Vol. 3

Paper ID: 84-38.9

The Use of Nontraditional Control Strategies in the Iron and Steel Industry: Air Bubbles Water Bubbles and Multimedia Based Control Strategies

Author(s): J Palmisano, D Martin Annual Conference: 1984, Vol. 3

Paper ID: 84-39.1

Pushing Emissions Control-#1 Coke Oven Battery Shenango Incorporated

Author(s): JR Zwikl

Annual Conference: 1984, Vol. 3

Paper ID: 84-39.2

Conversion of a Precipitator Into a Baghouse for Control of Secondary B.O.F. Emissions

Author(s): WB VanHooser Annual Conference: 1984, Vol. 3

Paper ID: 84-39.4

Evaluation of Coke Oven Charging Emissions

Author(s): NJ Stagias, RV Ramani Annual Conference: 1984, Vol. 3

Paper ID: 84-39.5

Capture and Control of Electric Arc Furnace Emission

Author(s): DA Pahl, WV Terry, LC Banker

Annual Conference: 1984, Vol. 3

Paper ID: 84-39.6

Sinter Plant Emission Control System at Lone Star Steel Company

Author(s): LN Cochran, OL Holland, CA Barber

Annual Conference: 1984, Vol. 3

Paper ID: 84-39.7

Improved Thermal Denox Process Verified by Field Testing

Author(s): BE Hurst

Annual Conference: 1984, Vol. 3

Paper ID: 84-42.1

A Case Study of the Evaluation and Application of NO x Control Systems to Internal Combustor Engines

Author(s): JD Rouge, ED Zarytkiewicz, LR Thomas

Annual Conference: 1984, Vol. 3

Paper ID: 84-42.2

Catalyst Denitrification of Exhaust from Reciprocating Engines Fueled with Sewage Digester Gas

Author(s): GM Adams, V Novy Annual Conference: 1984, Vol. 3

Paper ID: 84-42.3

Laboratory, Evaluation of NOx Reduction Techniques for Refinery CO Boilers

Author(s): HB Lange, JK Arand, MN Mansour, RE Hall

Annual Conference: 1984, Vol. 3

Paper ID: 84-42.4

NOx Emissions from Refinery and Industrial Boiler and Heaters

Author(s): J Karas, D Goalwin Annual Conference: 1984, Vol. 3

Paper ID: 84-42.6

Emissions from Oil-Field Steam Generators in Kern County, California Part 1: Data

Author(s): DL Roberts, FJ Trogus, WD Balfour

Annual Conference: 1984, Vol. 3

Paper ID: 84-42.7

NOx Reduction Program for Gas Fueled Stationary Engines

Author(s): AC Rawuka

Annual Conference: 1984, Vol. 3

Paper ID: 84-42.8

Technical and Economic Evaluation of Dry Sorbent Injection for SO2 Control Using Sodium Compounds

Author(s): GP Green, RC Carr, RG Hooper

Annual Conference: 1984, Vol. 3

Paper ID: 84-43.1

Prospective Environmental Performance of Utility Plants Using Low BTU Gas Produced via the Kilngas Process

Author(s): PA Vopelak, JS Deacon Annual Conference: 1984, Vol. 3

Paper ID: 84-43.2

State-of-the-Art of Acid Rain Precursor Control

Author(s): FT Princiotta

Annual Conference: 1984, Vol. 3

Paper ID: 84-43.3

Enhancement of Flue Gas Desulfurization Systems Applied to Coal-Fired Utility Boilers

Author(s): RD Delleney, OW Hargrove, JD Colley

Annual Conference: 1984, Vol. 3

Paper ID: 84-43.5

TVA's SO2 Control Options-Today and Tomorrow

Author(s): GA Holliden, JD Maxwell, CL Massey

Annual Conference: 1984, Vol. 3

Paper ID: 84-43.6

An Approach for Selecting Cost Effective Acid Rain Control Technologies

Author(s): JE Damon, PA Ireland, DW Shattuck, EW Stenby,

DG Neumeyer

Annual Conference: 1984, Vol. 3

Paper ID: 84-43.8

Reconversion of Coal-Fired Industrial Boilers Regulatory Aspects Case History

Author(s): RH Kaatman

Annual Conference: 1984, Vol. 3

Paper ID: 84-44.1

Combustion Efficiency of Flares

Author(s): JH Pohl, J Lee, R Payne, BA Tichenor

Annual Conference: 1984, Vol. 3

Paper ID: 84-44.3

Review of Rich Burn Internal Combustion Engines with Catalytic Converter Controls

Author(s): DG Wolf

Annual Conference: 1984, Vol. 3

Paper ID: 84-44.4

Waste Oil Heaters: Emissions and Impacts

Author(s): M Cooke, WE Bresler, TL Hayes, RE Hall, JL

Mumford, RG Merrill

Annual Conference: 1984, Vol. 3

Paper ID: 84-44.6

Emissions from Industrial Boilers Versus RCRA Regulated Incinerators

Author(s): EJ Potenta, JJ Coyle Annual Conference: 1984, Vol. 3

Paper ID: 84-44.7

Nitrogen Oxide Emissions from Raw Materials in Cement Kilns

Author(s): EM Gartner, CM Wilk Annual Conference: 1984, Vol. 3

Paper ID: 84-44.8

Determination of Appropriate Odor Control Techniques

Author(s): JW Bradstreet, N Ostojic, R Duffee

Annual Conference: 1984, Vol. 3

Paper ID: 84-45.2

Odor Controls for Sewage Treatment Facilities

Author(s): RG Patterson, RC Jain, S Robinson

Annual Conference: 1984, Vol. 3

Paper ID: 84-45.3

Dry Scrubbing A New Concept for Removing Odour and Particulates from Kraft Recovery Furnace Stack Gases

Author(s): SP Bhatia

Annual Conference: 1984, Vol. 3

Paper ID: 84-45.5

Assessment and Evaluation of Three Regional Air Quality Models

Author(s): RE Ruff, KC Nitz, FL Ludwig, CM Bhumralkar, JS

Shannon, CM Sheih, R Humar, DJ McNaughton

Annual Conference: 1984, Vol. 3

Paper ID: 84-46.1

Examination of the Performance of Real-Time Air Quality Model (RAM) with the Regional Air Pollution Study (RAPS) Level-7 Data Base

Author(s): ST Rao, G Sistla, V Pagnotti, WB Petersen, JS

Irwin, DB Turner

Annual Conference: 1984, Vol. 3

Paper ID: 84-46.2

Investigation of Plume Dispersion Using Lidar Plume Measurements

Author(s): HM Ellis, M Logan, C Chiu, SA Tufts

Annual Conference: 1984, Vol. 3

Paper ID: 84-46.3

Plume Rise Model Development and Validation for Gas Transmission Industry Reciprocating Engines and Gas Turbines

Author(s): HW Balentine, HJ Williamson, SM Zubrick, S

Coerr

Annual Conference: 1984, Vol. 3

Paper ID: 84-46.4

Turbulent Diffusion Behind Vehicles: Experiments and Verification of Roadway Models

Author(s): RE Eskridge, WB Petersen, ST Rao, G Sistla

Annual Conference: 1984, Vol. 3

Paper ID: 84-46.7

Review of Photochemical Quality Simulation Models

Author(s): TW Tesche

Annual Conference: 1984, Vol. 3

Paper ID: 84-47.1

U.S. EPA Regional Oxidant Model-Background and Overview

Author(s): KL Schere, NC Possiel Annual Conference: 1984, Vol. 3

Paper ID: 84-47.2

Implementation of the U.S. EPA Regional Oxidant Modeling System

Author(s): JH Novak

Annual Conference: 1984, Vol. 3

Paper ID: 84-47.3

Review of Recent Developments in Regional Scale Oxidant Modeling

Author(s): DA Stewart, MK Liu Annual Conference: 1984, Vol. 3

Paper ID: 84-47.5

Model Performance Evaluation for Regional Photochemical Models in California

Author(s): KK Wagner, AJ Ranzieri Annual Conference: 1984, Vol. 3

Paper ID: 84-47.6

Performance Evaluation of RPM-IISS with Airborne Plume Measurements at the Four Corners and Navajo Power Plants

Author(s): PD Gutfreund, MA Yocke, RE Morris

Annual Conference: 1984, Vol. 3

Paper ID: 84-47.7

Application and Comparison of Three Photochemical Models: Urban Airshed, EKMA/DODGE, EKMA/CB-3

Author(s): GL Gipson

Annual Conference: 1984, Vol. 3

Paper ID: 84-47.8

A Comparison of Results from Source and Receptor Model Evaluation and Validation Studies

Author(s): jg Watson

Annual Conference: 1984, Vol. 3

Paper ID: 84-48.1

Hybrid Source-Receptor Models: Concepts and Applications

Author(s): RJ Yamartino

Annual Conference: 1984, Vol. 3

Paper ID: 84-48.2

Meteorological Analysis of Trace Element Data

Author(s): PJ Samson, GD Thurston, JD Spengler

Annual Conference: 1984, Vol. 3

Paper ID: 84-48.4

Source Reconciliation of Hydrocarbons Measured Aloft over Tokyo

Author(s): I Uno, S Wakamatsu, RA Wadden

Annual Conference: 1984, Vol. 3

Paper ID: 84-48.5

Assessment of the Near Source Impact of Primary Sulfates and Nitrates from a Coal-Fired Power Plant

Author(s): JD McCain, WG Kistler, DH Carnes

Annual Conference: 1984, Vol. 3

Paper ID: 84-48.6

Participation of NOAA Lidar in Experiments Guiding Development of Air Quality Model

Author(s): WL Eberhard, TF Lavery Annual Conference: 1984, Vol. 3

Paper ID: 84-51.1

Application of Alpha-1 to Plume Model Validation and Development

Author(s): EE Uthe, BM Morley Annual Conference: 1984, Vol. 3

Paper ID: 84-51.2

Application of Optical Cross-Path Wind Sensors to Pollution Advection Studies in Complex Terrain

Author(s): WM Porch

Annual Conference: 1984, Vol. 3

Paper ID: 84-51.3

Estimating Mixing Layer Heights from Digitized Doppler Acoustic Sounder Data

Author(s): SH Holets, RN Swanson Annual Conference: 1984, Vol. 3

Paper ID: 84-51.4

Meteorological Monitoring Using Sodar for Electric Utility Air Quality Applications

Author(s): JA Santovasi

Annual Conference: 1984, Vol. 3

Paper ID: 84-51.6

Accuracy and Precision of Atmospheric Visibility and Aerosol Measurements in the WRAQS

Author(s): CV Mathai, DH Bush, RC Nininger, DW Allard,

IH Tombach

Annual Conference: 1984, Vol. 3

Paper ID: 84-52.10

Data Screening for Large Air Quality Data Sets

Author(s): TC Curran

Annual Conference: 1984, Vol. 3

Paper ID: 84-52.3

An Improved Gas Standard Traceability Procedure for Ambient Air Quality Measurements

Author(s): GW Siple

Annual Conference: 1984, Vol. 3

Paper ID: 84-52.4

Quality Assurance Program for Meteorological Monitoring-The TVA Approach

Author(s): KG Wastrack, RV Carter, CL Bach

Annual Conference: 1984, Vol. 3

Paper ID: 84-52.5

The EPRI Plume Model Validation and Development Project External Audits

Author(s): F Smith

Annual Conference: 1984, Vol. 3

Paper ID: 84-52.6

Quality Assurance Evaluation of EPA Method 6B Emissions Measurements

Author(s): DL Lewis, JI Steinmetz Annual Conference: 1984, Vol. 3

Paper ID: 84-52.7

Preparation of Standards on Glass Fiber Filters for X-Ray Fluorescence Spectroscopy

Author(s): VC Anselmo, JJ Rios Annual Conference: 1984, Vol. 3

Paper ID: 84-52.8

Operational and Acceptance Testing of Three U.S. Air Force Air Monitoring Stations

Author(s): SG Forbes, RB Rosenberg, DB Bener, JB English

Annual Conference: 1984, Vol. 3

Paper ID: 84-53.3

Entering the 80's with TVA's Aerometric Monitoring System

Author(s): RV Carter, CL Bach, CH Hilten

Annual Conference: 1984, Vol. 3

Paper ID: 84-53.4

Upgrading Ambient Air Monitoring Systems

Author(s): JM Causey

Annual Conference: 1984, Vol. 3

Paper ID: 84-53.6

Siting and Operational Upgrades of Ambient Air Quality Monitoring Networks

Author(s): DJ Sodersten

Annual Conference: 1984, Vol. 3

Paper ID: 84-53.7

Apparent Sources of High Particulate Matter at Sites Likely to Exceed a PM10 NAAQS

Author(s): TG Pace, EJ Hanks Annual Conference: 1984, Vol. 3

Paper ID: 84-54.2

The Economic Benefits of Alternative National Ambient Air Quality Standards for Particulate Matter

Author(s): EH Manuel, RL Horst, KM Brennan, JM Hobart,

MC Duff, CD Harvey, DE Klinger Annual Conference: 1984, Vol. 3

Paper ID: 84-54.5

Comparison of Results from Fine Particulate Samplers Near a Major Steel Works

Author(s): JA Grantz

Annual Conference: 1984, Vol. 3

Paper ID: 84-55.4

Rationale for Selecting a Distribution Reflecting the Variability of PM10/TSP Relationships

Author(s): EL Meyer, WP Freas, TG Pace, AD Thrall, AB

Hudischewskyj, CS Burton Annual Conference: 1984, Vol. 3

Paper ID: 84-55.5

Development of an Ambient PM10 Monitoring Network Considering Instrument Precision and Sampler Intercomparison

Author(s): RE Sistek

Annual Conference: 1984, Vol. 3

Paper ID: 84-55.6

The Relationship Between Particulate Matter Collected by Collocated D PM10 and Hi-Vol Samplers

Author(s): JB Constantino, GS Cacuccio

Annual Conference: 1984, Vol. 3

Paper ID: 84-55.7

A New Air Monitoring Filter for PM-10 Collection and Measurement Techniques

Author(s): LG West

Annual Conference: 1984, Vol. 3

Paper ID: 84-55.8

Inertial and Electrostatic Collection of Charged Particles by a Fixed Collector

Author(s): HC Wang, JJ Stukel, KH Leong, PK Hopke

Annual Conference: 1984, Vol. 4

Paper ID: 84-56.1

Modeling of Surface Tension Effects in Venturi Scrubbing

Author(s): RM Ott, TKL Wu, JW Crowder

Annual Conference: 1984, Vol. 4

Paper ID: 84-56.2

Application of Expanded PTFE Membrane Filter to In-Stack Particle Size Measurement

Author(s): J Hao, MG Ruby Annual Conference: 1984, Vol. 4

Paper ID: 84-56.3

Application of an XRF Compatible Cascade Impactor at a Kraft Pulp Mill

Author(s): JD McCain, LG Felix, KT Knapp

Annual Conference: 1984, Vol. 4

Paper ID: 84-56.4

Design and Characterization of an Isokinetic Sampling Train for Particle Size Measurements Using Exhaust Gas Recirculation

Author(s): AD Williamson, RS Martin, DB Harris, TE Ward

Annual Conference: 1984, Vol. 4

Paper ID: 84-56.5

Impact of Fly Ash Composition Upon Shaker Baghouse Efficiency

Author(s): DR Sears, SJ Miller Annual Conference: 1984, Vol. 4

Paper ID: 84-56.6

Wind Tunnel Studies of Small Particle Deposition onto a Flat Plate

Author(s): D McCready, W Pendergrass, JM Hughes

Annual Conference: 1984, Vol. 4

Paper ID: 84-56.7

An Equivalent Method for the Determination of Lead on Filters from High Volume Air Samplers

Author(s): VC Anselmo, MJ Zimmerman, GC Dean, JM Jenks

Annual Conference: 1984, Vol. 4

Paper ID: 84-56.8

A Comparison of the Mass and Chemical Components Found on High Volume TSP, 1P15 and PM10 Samples

Author(s): HE Hesketh, DJ Kolaz Annual Conference: 1984, Vol. 4

Paper ID: 84-58.1

Potential Causes of High PM10 and PM15 Measurements in the 1P Network

Author(s): CF Rogers, JG Watson Annual Conference: 1984, Vol. 4

Paper ID: 84-58.2

Inhalable Particulate Measurement Program in Canadian Urban Areas

Author(s): TF Dann

Annual Conference: 1984, Vol. 4

Paper ID: 84-58.4

A Chemical Characterization and Source Apportionment of the 1P Network Fine Particle Data

Author(s): GD Thurston, J Ozkaynak, AD Schatz

Annual Conference: 1984, Vol. 4

Paper ID: 84-58.5

Characterization of Individual Particles Collected During the Deep Creek Lake Experiment

Author(s): Y Mamane

Annual Conference: 1984, Vol. 4

Paper ID: 84-58.6

Current Status of EPA Visibility Program

Author(s): DH Stonefield, BV Polkowsky

Annual Conference: 1984, Vol. 4

Paper ID: 84-59.1

Relationships Between Aerosol Extinction Coefficients Derived from Airport Visual Range Observations and Alternative Measures of Airborne Particles Mass

Author(s): j Ozkaynak, AD Schatz, GD Thurston, RG Isaccs,

RB Husar

Annual Conference: 1984, Vol. 4

Paper ID: 84-59.2

Visibility and Air Quality Impairment in the Southeastern United States

Author(s): LM Resinger, RJ Valente Annual Conference: 1984, Vol. 4

Paper ID: 84-59.3

Results of an Early EPA Effort to Screen Toxic Air Pollution Sources in an Industrialized Urban Area

Author(s): AW Cole, JT Wilburn, SG Piper

Annual Conference: 1984, Vol. 1

Paper ID: 84-6.1

New York State Techniques and Experience In Regulating Toxic Air Contaminants

Author(s): AK Fossa, MM Riano, PJ Lavin, DR Vollmre

Annual Conference: 1984, Vol. 1

Paper ID: 84-6.2

Impact of an Extended Seasonal VOC Control Policy on Toxic Air Pollutants

Author(s): IM Goklany, JA Jaksch Annual Conference: 1984, Vol. 1

Paper ID: 84-6.3

California's Program to Regulate Toxic Air Contaminants

Author(s): RD Barham

Annual Conference: 1984, Vol. 1

Paper ID: 84-6.5

A Regulatory Approach to the Combustion of Waste Derived Fuels

Author(s): B Mathur, PM Purseglove Annual Conference: 1984, Vol. 1

Paper ID: 84-6.6

Visibility-Particulate Measurement Techniques-Poster Session

Author(s): W Malm

Annual Conference: 1984, Vol. 4

Paper ID: 84-60P

The Use of a Scanning Densitometer to Measure Visibility Related Parameters from Photographic Slides

Author(s): CE Johnson, JV Molenar, JR Hein, WC Malm

Annual Conference: 1984, Vol. 4

Paper ID: 84-60P.8

Use of Microcomputer and Laser Video Disc Technology for Visual Image Archiving an Retrieval in Visibility Studies

Author(s): VA Evans, DA Latimer Annual Conference: 1984, Vol. 4

Paper ID: 84-60P.9

Social, Economic and Psychological Perspective of Visibility Impairment

 $\hbox{Author(s): } J\ Pearson$

Annual Conference: 1984, Vol. 4

Paper ID: 84-61P

Visibility Impairment and Visitor Enjoyment

Author(s): DM Ross, WC Malm, GE Haas, RJ Loomis

Annual Conference: 1984, Vol. 4

Paper ID: 84-61P.1

Field Testing a Methodology for Assessing the Importance of Good Visual Air Quality

Author(s): W Malm

Annual Conference: 1984, Vol. 4

Paper ID: 84-61P.2

Control of Acrylic Vapor Emissions by Absorption in Chemical Solutions

Author(s): MW First, R Weker Annual Conference: 1984, Vol. 4

Paper ID: 84-62..4

Equipment Leaks of VOC: Emissions and Their Control

Author(s): WF Dimmick, KC Hustvedt

Annual Conference: 1984, Vol. 4

Paper ID: 84-62.1

Alternate Program to Control Leaks of Volatile Organic Compounds (VOC) From Petroleum Refining Equipment

Author(s): RL Norton, DG Cole, TW Rhoads

Annual Conference: 1984, Vol. 4

Paper ID: 84-62.5

Performance Evaluation of an Improved Street Sweeper

Author(s): MW Duncan, RC Jain, SC Yung, RG Patterson

Annual Conference: 1984, Vol. 4

Paper ID: 84-63.1

Study of Construction Related Dust Control

Author(s): JS Kinsey, PJ Englehart Annual Conference: 1984, Vol. 4

Paper ID: 84-63.2

Total Suspended and Inhalable Particulates Contributed by a Rural Minnesota Expressway

Author(s): MB Khan, JP Halvorson Annual Conference: 1984, Vol. 4

Paper ID: 84-63.5

Emission Offsets as an Economic Commodity in California

Author(s): B Garelick, J Lapthrop Annual Conference: 1984, Vol. 4

Paper ID: 84-65.1

Massachusetts VOC Bubble Regulation: The Daily Cap and Issues it Raises

Author(s): TB Powers

Annual Conference: 1984, Vol. 4

Paper ID: 84-65.4

Louisiana's Emission Banking System

Author(s): A Brasher

Annual Conference: 1984, Vol. 4

Paper ID: 84-65.5

Elimination of Dual Definition of Source: Impact on Total Emissions and Other Issues

Author(s): IM Goklany, IJ Tether, D Foster

Annual Conference: 1984, Vol. 4

Paper ID: 84-65.6

Regulatory Reform-Smarter Regulations

Author(s): PS Feldman

Annual Conference: 1984, Vol. 4

Paper ID: 84-65.7

The 1982 SIP Rulemaking Process: A Federal Perspective the Los Angeles (South Coast Air Basin) 1982 Plan

Author(s): LV Ommering
Annual Conference: 1984, Vol. 4

Paper ID: 84-66.2

Section 107 Redesignation: There Must be a Better Way

Author(s): MT DeBusschere Annual Conference: 1984, Vol. 4

Paper ID: 84-66.3

Demonstrating Air Quality Improvements: A Review of Alternatives

Author(s): DB Hunsaker

Annual Conference: 1984, Vol. 4

Paper ID: 84-67.1

Evaluating the Performance of the SIPs in Attaining Reasonable Further Progress (RFP) A Collaborative Approach

Author(s): A Chun

Annual Conference: 1984, Vol. 4

Paper ID: 84-67.2

EPA Region 9 Program to Build Enforcement Considerations into the Quantification of Stationary Source VOC Emission Reductions

Author(s): R Smith

Annual Conference: 1984, Vol. 4

Paper ID: 84-67.4

Ract Enforcement

Author(s): AJ Cava

Annual Conference: 1984, Vol. 4

Paper ID: 84-67.5

Proactive Enforcement Using Ambient Air Data

Author(s): M Peters

Annual Conference: 1984, Vol. 4

Paper ID: 84-67.6

An Overview of the Control Strategy Analysis Program

Author(s): C Maxwell, JR Martinez, HS Javitz

Annual Conference: 1984, Vol. 4

Paper ID: 84-67.7

Implementation of the Pollutant Standards Index (PSI)

Author(s): AJ Sadar, MG Ruby Annual Conference: 1984, Vol. 4

Paper ID: 84-67.8

Green Bay SO2 Implementation Plan Development

Author(s): RM Tollett, PW Fishher, JH Christiansen

Annual Conference: 1984, Vol. 4

Paper ID: 84-67.9

Auditing Waste Disposal Facilities

Author(s): DL Brandwein, BL Murphy, BD Cowen, MS

Halvorsen, WW Beck, HC Elston Annual Conference: 1984, Vol. 4

Paper ID: 84-69.2

Designing and Implementing an Environmental Auditing Program

Author(s): MF Basta, S Pellerite, BA Schmidt

Annual Conference: 1984, Vol. 4

Paper ID: 84-69.4

Environmental Auditing a Management Tool and Potential Regulatory Reform

Author(s): LJ Fleckenstein Annual Conference: 1984, Vol. 4

Paper ID: 84-69.5

Environmental Protection Systems Review Program

Author(s): WG Kelly

Annual Conference: 1984, Vol. 4

Paper ID: 84-69.6

Promotion of Environmental Auditing Through State-Level Initiative: The North Carolina Saga Continues

Author(s): MA Smith

Annual Conference: 1984, Vol. 4

Paper ID: 84-69.8

The Use of Air Quality Standards in Regulating Toxic Air Pollutants

Author(s): DR Patrick

Annual Conference: 1984, Vol. 1

Paper ID: 84-7.1

Air Quality Data and Air Quality Standards in the Regulation of Toxic Air Pollutants

Author(s): CC Smith, RJ Tropp Annual Conference: 1984, Vol. 1

Paper ID: 84-7.2

Development of an Air Toxics Programs in Massachusetts

Author(s): HS Brown, CA Rowan, DR Bishop

Annual Conference: 1984, Vol. 1

Paper ID: 84-7.3

Developing Short-Term Net Ground Level Concentration Limits for Lead

Author(s): rj Tropp, CC Smith, CJ Durrensberger, SL Dattner

Annual Conference: 1984, Vol. 1

Paper ID: 84-7.4

The National Air Toxics Information Clearinghouse

Author(s): KL Blanchard, RM Schell Annual Conference: 1984, Vol. 1

Paper ID: 84-7.6

Overview of Control Strategies for Residential Wood Combustion

Author(s): WE Grotheer

Annual Conference: 1984, Vol. 4

Paper ID: 84-70.1

An Assessment of the Relative Source Impact of Residential Woodburning on the Ambient Total Suspended Particulate Levels in Western Massachusetts

Author(s): DE Holland, GS Kowalczyk Annual Conference: 1984, Vol. 4

Paper ID: 84-70.12

Comparative Analysis of Current Woodstove Technologies: Emissions and Efficiencies

Author(s): PE Tiegs, NG Edmisten, CL Hatch

Annual Conference: 1984, Vol. 4

Paper ID: 84-70.3

Status of Canadian Standard for Efficiency and Emissions of Domestic Wood-Fired Appliances

Author(s): RW Braaten, ACS Hayden Annual Conference: 1984, Vol. 4

Paper ID: 84-70.4

Impact of Residential Wood Combustion or Measured Particulate and PAH Concentrations in Whitehorse, YT

Author(s): R McCandless Annual Conference: 1984, Vol. 4

Paper ID: 84-70.6

Environmental Impact of Residential Wood Heating in Scandinavia

Author(s): I Alfheim, T Ramdahl Annual Conference: 1984, Vol. 4

Paper ID: 84-70.7

The Contribution of Residential Wood Combustion to Ambient Air Pollution in Nashville, Tennessee-A Case Study

Author(s): RE Imhoff, JA Manning, PJ Bontrager

Annual Conference: 1984, Vol. 4

Paper ID: 84-70.9

Coping with Errors Encountered in Estimation of Emissions

Author(s): IM Goklany, JH Southerland Annual Conference: 1984, Vol. 4

Paper ID: 84-71.1

Development of Temporal, Spatial and Species Allocation Factors for the Northeast Corridor Regional Modeling Project Annual Emission Inventory

Author(s): FM Sellars

Annual Conference: 1984, Vol. 4

Paper ID: 84-71.2

Improving Emission Inventories Using an Integrated Emission Data System

Author(s): R Bradley, M Johns, R Tate, E Yotter

Annual Conference: 1984, Vol. 4

Paper ID: 84-71.3

Coping with Uncertainties in a Particle Sized Emission Inventory Data Base

Author(s): KD Rosbury, RA Zimmer, JH Southerland

Annual Conference: 1984, Vol. 4

Paper ID: 84-71.4

Improvement of Organic Gas Speciation for Selected Source Categories

Author(s): SH Peoples, WR Oliver Annual Conference: 1984, Vol. 4

Paper ID: 84-72.2

Medians and Percentiles for Emission Inventory Totals

Author(s): TS Mangat, LH Robinson, P Switzer

Annual Conference: 1984, Vol. 4

Paper ID: 84-72.3

Automobile Emission Factors: An Indirect Measurement Method Applied to Polycycle Aromatic Hydrocarbon and Lead Emissions

 $\hbox{Author(s): S Larssen}$

Annual Conference: 1984, Vol. 4

Paper ID: 84-72.4

Inventorying Pesticide Emissions

Author(s): HA Rose, LG Wayne Annual Conference: 1984, Vol. 4

Paper ID: 84-72.5

Benefit/Cost Analysis and Regulation Under the Clean Air

Author(s): AG Fraas

Annual Conference: 1984, Vol. 4

Paper ID: 84-73.1

Quantification of Emission Bubble Impacts

Author(s): KM McElroy, AJ Olsen, JA Jaksch

Annual Conference: 1984, Vol. 4

Paper ID: 84-73.4

An Economic Evaluation of the Use of Netting as an Alternative to New Source Review

Author(s): KG Croke, JE Norce, I Tether Annual Conference: 1984, Vol. 4

Paper ID: 84-73.5

The Optimal Design of Chemical Processing Systems in the Presence of Controlled Pollutants Emissions

Author(s): SF Afshar, EMW Niu Annual Conference: 1984, Vol. 4

Paper ID: 84-73.7

New Source Review: Local Agency's Perspective

Author(s): A Khan, L Singh Annual Conference: 1984, Vol. 4

Paper ID: 84-75.1

Integrating Emissions Banking and Emission Source Review Processes

Author(s): MT DeBusschere Annual Conference: 1984, Vol. 4

Paper ID: 84-75.2

Experience of NSR In the San Francisco bay Area

Author(s): PF Hess, SA Hill, EG Linder, J Karas

Annual Conference: 1984, Vol. 4

Paper ID: 84-75.3

Can You Get a PSD Permit if You Exceed the Class 1 Increment?

Author(s): JO Blankenship Annual Conference: 1984, Vol. 4

Paper ID: 84-75.5

Bubbles Or Alternative Control Strategies in Illinois

Author(s): CP Romaine

Annual Conference: 1984, Vol. 4

Paper ID: 84-75.6

The Reaction of NO3 With Formaldehyde

Author(s): LG Anderson, WR Stockwell, CA Cantrell, K

Busarow, JG Calvert

Annual Conference: 1984, Vol. 4

Paper ID: 84-76.1

An Analysis of Organic Species Data Collected in the Northeast Corridor Regional Modeling Project

Author(s): GL Gipson, WP Freas Annual Conference: 1984, Vol. 4

Paper ID: 84-76.8

Mexico City Aerosol Study: Trace Element Concentration and Chemical Composition of Sulfates as a Function of Particle Size

Author(s): YI Falcon, CR Ramirez, HG Carrillo, EB Aquirre,

MR Flores

Annual Conference: 1984, Vol. 4

Paper ID: 84-76.9

Transboundary Air Pollution Along the United States-Mexico Border

Author(s): HG Applegate
Annual Conference: 1984, Vol. 4

Paper ID: 84-78.1

An Example of International Cooperation the Tijuana-San Diego Air Quality Project

Author(s): HW Brown, VB Engler Annual Conference: 1984, Vol. 4

Paper ID: 84-78.2

Air Pollution in El Paso, Texas and Ciudad Juarez, Chihuahua: The Legal and Policy Framework

Author(s): CR Bath

Annual Conference: 1984, Vol. 4

Paper ID: 84-78.3

Utilizing National and International Legal Forums Towards Resolution of Transboundary Air Pollution

Author(s): TA Ulasewicz Annual Conference: 1984, Vol. 4

Paper ID: 84-78.5

Economic Aspects of International Air Pollution Control Policies

Author(s): C Seigneur

Annual Conference: 1984, Vol. 4

Paper ID: 84-78.6

The Mutagenic Activity of the Ambient Aerosol During Summertime: A Comparison of Photochemical Pollution Episodes with Other Periods

Author(s): JM Daisey, PJ Lioy, JB Louis, LJ McGeorge, GJ

McGarrity, TB Atherholt Annual Conference: 1984, Vol. 5

Paper ID: 84-80.1

Organic and Elemental Characterization of Wintertime Aerosol in a Wood-Burning Community

Author(s): K Sexton, KS Liu, SB Hayward, JD Spengler

Annual Conference: 1984, Vol. 5

Paper ID: 84-80.2

A Major Wintertime(1983) Pollution Episode; Analysis of the Accumulation and Spatial Distribution of the Organic Fraction

Author(s): PJ Lioy, JM Daisey, A Greenberg, R Harkov

Annual Conference: 1984, Vol. 5

Paper ID: 84-80.4

Source Apportionment for Carbonaceous Aerosol Using CEB, MLR and EI

Author(s): JJ Shah, JJ Huntzicker Annual Conference: 1984, Vol. 5

Paper ID: 84-80.5

Factors which Influence PAH Decomposition on Wood Smoke Particles

Author(s): RM Kamens, JM Perry, DA Saucy, DA Bell, DL

Newton, B Brand

Annual Conference: 1984, Vol. 5

Paper ID: 84-80.6

Determination of Primary and Secondary Organic Aerosols in Los Angeles

Author(s): EC Ellis, MD Zeldin Annual Conference: 1984, Vol. 5

Paper ID: 84-80.7

Experimental Characterization of Atmospheric Diffusion in Complex Terrain with Land-Sea Interaction

Author(s): MM Millan, E Otamendi, LA Alonso, I Ureta

Annual Conference: 1984, Vol. 5

Paper ID: 84-81.3

A Critical Commentary on Epidemiological Studies of Air Pollution in Japan

Author(s): T Namekata, J Yagi Annual Conference: 1984, Vol. 5

Paper ID: 84-81.5

A Grab Sampling Study of Baseline Sulfur Dioxide Level at Junk Bay

Author(s): TS Yuen

Annual Conference: 1984, Vol. 5

Paper ID: 84-81.6

The Jordan Program a Look Inside Air Quality Regulation in the Third World

Author(s): MW Black, RH Berby Annual Conference: 1984, Vol. 5

Paper ID: 84-81.8

An Economic and Ecological Assessment of Three Electrical Power Plants: Coal, Pitch and Nuclear Power. The Integration of Damage Cost in KWH Cost Price and Comparison

Author(s): WJJ Hecq

Annual Conference: 1984, Vol. 5

Paper ID: 84-81.9

The National Park Service Research Program on the Effects of Air Pollution on Cultural Properties

Author(s): SL Sherwood Annual Conference: 1984, Vol. 5

Paper ID: 84-83.1

Stone Damage Rates Measured at Historic Building and Monuments

Author(s): RA Livingston, NS Baer Annual Conference: 1984, Vol. 5

Paper ID: 84-83.2

Indoor Air Pollution: Effects on Cultural and Historic Materials

Author(s): NS Baer, PN Banks Annual Conference: 1984, Vol. 5

Paper ID: 84-83.4

Economic Valuation of Cultural Materials: Some Preliminary Findings

Author(s): DA Rae

Annual Conference: 1984, Vol. 5

Paper ID: 84-83.5

Fading of Artists Pigments Due to Atmospheric Ozone

Author(s): K Drisko, GR Cass, JR Druzik

Annual Conference: 1984, Vol. 5

Paper ID: 84-83.6

Analysis of Variance Applied to National Ozone Air Quality Trends

Author(s): AK Pollack, WF Hunt, TC Curran

Annual Conference: 1984, Vol. 5

Paper ID: 84-84.4

Statistical Analysis of Meteorological and SO2 Data

Author(s): E Koo, CM Tam, WL Chang

Annual Conference: 1984, Vol. 5

Paper ID: 84-84.6

Experimental Design of the El Paso Quantitative Microscopy Study

Author(s): SL Dattner

Annual Conference: 1984, Vol. 5

Paper ID: 84-84.9

Dispersion Modeling on Personal Computers

Author(s): JC Clary

Annual Conference: 1984, Vol. 5

Paper ID: 84-85.1

The Implementation of a Microcomputer Systems for Air Pollution Studies

Author(s): DW Hopper

Annual Conference: 1984, Vol. 5

Paper ID: 84-85.2

Design of a Microprocessor Based Air Monitoring Data Acquisition and Telemetry System for the Bay Area Air Quality Management District

Author(s): RO Webb, PC Hanna, MA Shell

Annual Conference: 1984, Vol. 5

Paper ID: 84-85.3

A Video Based Tracking System Using Microcomputer Graphics

Author(s): SM Zubrick, HW Balentine, CE Riese, MT

Johnston

Annual Conference: 1984, Vol. 5

Paper ID: 84-85.4

Automatic Calibration Systems in Texas Air Control Board Air Monitoring Stations

Author(s): R Schultz, AE Partida Annual Conference: 1984, Vol. 5

Paper ID: 84-85.5

System for Processing High Volume Sampler Quality Assurance Data on an Apple II Plus Computer

Author(s): RB Brewer

Annual Conference: 1984, Vol. 5

Paper ID: 84-85.6

A Microcomputer Model for Analyzing Aircraft Pollution Measurements

Author(s): H Segal

Annual Conference: 1984, Vol. 5

Paper ID: 84-85.8

The Importance to Urban Haze of Mobile Sources and Mobile Source Controls

Author(s): RL Dennis

Annual Conference: 1984, Vol. 5

Paper ID: 84-87.1

Use of Lead Sensitive Test Papers for Vehicle Inspections

Author(s): HC McKee

Annual Conference: 1984, Vol. 5

Paper ID: 84-87.2

Measurements of a Carbon Monoxide Cloud in San Jose, California

Author(s): DC Duker, DA Levaggi, T Umeda, RE Demandel,

TE Perardi

Annual Conference: 1984, Vol. 5

Paper ID: 84-87.4

Effects of Automotive Emissions

Author(s): R Kokomeychuk, L Yeager, J Spiegel

Annual Conference: 1984, Vol. 5

Paper ID: 84-87.5

Discussion and Evaluation of Current Issues Effectiveness of In-Use Vehicle Emission Control Strategies the Texas Experience

Author(s): RR Wallis, DL Darcy Annual Conference: 1984, Vol. 5

Paper ID: 84-87.8

Impact of Noise Regulations on the Design of Motor Vehicles

Author(s): PP Pataky

Annual Conference: 1984, Vol. 5

Paper ID: 84-88.3

Community Noise Produced by Industrial HVAC Systems

Author(s): JT Nelson, WE Blazier Annual Conference: 1984, Vol. 5

Paper ID: 84-88.6

Advances in Fan Noise Control Technology for Particulate-Laden Air Flows

Author(s): MM Gmerek, TR Norris Annual Conference: 1984, Vol. 5

Paper ID: 84-88.7

Performance Plans to Determine H2S Air Emissions Compliance for Geothermal Steam Drilling, Testing and Power Production

Author(s): RL Reynolds, RL Kauper Annual Conference: 1984, Vol. 5

Paper ID: 84-89.2

Description of the Low Solids H2S Abatement Process for Units 1,2,7 and 8 The Geyser Power Plant

Author(s): GP Dorighi, JM Henderson Annual Conference: 1984, Vol. 5

Paper ID: 84-89.4

Intermittent Control Procedures for the Geysers Hydrogen Sulfur Emission Abatement

Author(s): BD Buick, ML Mooney Annual Conference: 1984, Vol. 5

Paper ID: 84-89.6

Concentrations of Non-Criteria Pollutants in the Vicinity of Geothermal Power Plants at the Geysers, California

Author(s): SL Altshuler, TD Arcado, CI Lin

Annual Conference: 1984, Vol. 5

Paper ID: 84-89.7

Pilot-Scale Investigation of Surrogate Means of Determining POHC Destruction

Author(s): LR Waterland
Annual Conference: 1984, Vol. 1

Paper ID: 84-9.1

Summary of Trial Burn Results at the SCA Incinerator

Author(s): PG Gorman, GJ Hennon, GS Kush

Annual Conference: 1984, Vol. 1

Paper ID: 84-9.2

Modifications to Decrease Fine Particulate Emissions from a Hazardous Waste Incinerator: A Case Study

Author(s): BT Riley, H Freeman, J Trapp

Annual Conference: 1984, Vol. 1

Paper ID: 84-9.3

Dry Scrubbing of Hazardous Waste Incinerator Flue Gas by Spray Dryer Absorption

Author(s): JT Moller, OB Christisansen Annual Conference: 1984, Vol. 1

Paper ID: 84-9.5

Sensible and Latent Heat Recovery from Hazardous Waste Incinerator Exhaust Gases

Author(s): JD Brady

Annual Conference: 1984, Vol. 1

Paper ID: 84-9.6

Assessing the Impacts of Acid Deposition on Pennsylvania

Author(s): sj Brodsky, DW Ditz, AJ Moore, JS Salmento

Annual Conference: 1984, Vol. 5

Paper ID: 84-92P.1

The Terminology of Odor Technology in Air Pollution Application

Author(s): RA Johnson

Annual Conference: 1984, Vol. 5

Paper ID: 84-93.1

A State's View of Odor Regulations

Author(s): GAV Bodungen, O Tanner Annual Conference: 1984, Vol. 5

Paper ID: 84-93.2

Industry View Toward Odor Regulatory Needs

Author(s): WH Prokop

Annual Conference: 1984, Vol. 5

Paper ID: 84-93.3

A Survey of Dynamic Olfactometer Design

Author(s): PR Jann

Annual Conference: 1984, Vol. 5

Paper ID: 84-93.4

Odor Measurement Calibration Needs

Author(s): DM Benforado, DO Schmid Annual Conference: 1984, Vol. 5

Paper ID: 84-93.5

Legal Issues Resulting from Odor Emissions

Author(s): JL Parker

Annual Conference: 1984, Vol. 5

Paper ID: 84-93.6

New High Performance Fabric for Hot Gas Filtration

Author(s): JN Shah

Annual Conference: 1984, Vol. 5

Paper ID: 84-95.2

Fabric Filters of Teflon TFE-Florocarbon Fiber on High Ratio Collectors for Coal-Fired Power Boilers

Author(s): KGJ van Dooren Annual Conference: 1984, Vol. 5

Paper ID: 84-95.4

A Study of Sonic Cleaning for Enhanced Baghouse Performance

Author(s): KM Cushing, DH Pontius, RC Carr

Annual Conference: 1984, Vol. 5

Paper ID: 84-95.5

Evaluation of a Pilot Scale Electrostatically Enhanced Fabric Filter Baghouse

Author(s): BE Pyle, DH Pontius, CE Martin

Annual Conference: 1984, Vol. 5

Paper ID: 84-95.6

Field Evaluation of Sonic Assisted Reverse-Gas and Shaker Cleaned Full Scale Utility Baghouse

Author(s): LG Felix, RL Merritt Annual Conference: 1984, Vol. 5

Paper ID: 84-95.7

Electrostatic Precipitator Bus Section Failure: Operation and Maintenance

Author(s): L Theodore, J Reynolds, F Taylor, S Errico

Annual Conference: 1984, Vol. 5

Paper ID: 84-96.10

A Field Study of a Combined NH3-SO3 Conditioning System on a Cold Side Fly Ash Precipitator at a Coal-Fired Power Plant

Author(s): RS Dahlin, GH Marchant, JP Gooch, RE

Bickelhaupt, DR Sears, RF Altman Annual Conference: 1984, Vol. 5

Paper ID: 84-96.3

Pulsed Energization of a Pilot Scale Precipitator

Author(s): JL DuBard, EC Landham, WR Piulle, LE Sparks

Annual Conference: 1984, Vol. 5

Paper ID: 84-96.5

Pilot Plant Evaluation of the Cooled Electrode Precharger on a Utility Flue Gas Slipstream with High-Resistivity Flyash

Author(s): MD Durham, GA Rinard, DE Rugg, T Carney, LE

Sparks

Annual Conference: 1984, Vol. 5

Paper ID: 84-96.7

A Mathematical Model for a Triode Precharger Device

Author(s): PV Bush, JR Cooper, DH Pontius

Annual Conference: 1984, Vol. 5

Paper ID: 84-96.8

Practical Experience with Pulse-Energized Precipitators

Author(s): S Olesen, D Lisiecki Annual Conference: 1984, Vol. 5

Paper ID: 84-96.9

Technical Solutions for the New SO2 Legislation in West Germany

Author(s): M Esche, H Igelbucscher Annual Conference: 1984, Vol. 5

Paper ID: 84-97.1

The Gonzaga Desulfurization Flue Gas Process

Author(s): RL Kellher, TJ O'Leary, IA Shirk

Annual Conference: 1984, Vol. 5

Paper ID: 84-97.3

Use of Adipic Acid to Enhance Flue Gas Desulfurization

Author(s): N Ostroff, D Laslo Annual Conference: 1984, Vol. 5

Paper ID: 84-97.4(A)

Limestone/Adipic Acid FGD and Stack Opacity Reduction Pilot Plant Tests at Big Rivers Electric Corporation

Author(s): D Laslo, E Bakke, E Chisholm

Annual Conference: 1984, Vol. 5

Paper ID: 84-97.4(B)

EPRI/NIPSCO/FMC Limestone Double Alkali Demonstration Plant

Author(s): RJ Biolchini, BA Wrobel Annual Conference: 1984, Vol. 5

Paper ID: 84-97.5

Dry FGD at UPA Stanton Station

Author(s): RN Roop, L Pflug Annual Conference: 1984, Vol. 5

Paper ID: 84-98.1

Performance of Dry Flue Gas Desulfurization on a Petroleum Coke Kiln Application

Author(s): RJ Horn, JF Bent Annual Conference: 1984, Vol. 5

Paper ID: 84-98.2

Two-Fluid Nozzle Technology for Dry FGD: the Strathmore Experience

Author(s): JP Monat, AL Letourneau, ACF Meyer, EL Biedell

Annual Conference: 1984, Vol. 5

Paper ID: 84-98.4

Design and Operating Experience of the Antelope Valley Unit 1 Dry Scrubber

Author(s): RL Eriksen, HW Spencer, JR Donnelly

Annual Conference: 1984, Vol. 5

Paper ID: 84-98.5

An Experimental Study on Spray Dry So2 Scrubbing

Author(s): T Ku, TJ Overcamp Annual Conference: 1984, Vol. 5

Paper ID: 84-98.8

The Status of Permit Fees in State Implementation Plans

Author(s): RW Halvey, GD McCutchen, JM Clouse

Annual Conference: 1983, Vol. 2

Paper ID: 83.20.6

Source Apportionment of Rain Water Impurities in Central Illinois

Author(s): DF Gatz

Annual Conference: 1983, Vol. 2

Paper ID: 83.28.3

Visibility: Long Range Transport and Regional Aspects; Poster Session

Author(s): A Bishard

Annual Conference: 1983, Vol. 1

Paper ID: 83-10P

Copper Smelters and Atmospheric Visibility in the Southwest, Seasonal Analysis

Author(s): DH Nochumson, MD Williams

Annual Conference: 1983, Vol. 1

Paper ID: 83-10P.12

A Methodology for Establishing the Probability of the Origin of Air Masses Containing High Pollutant Concentrations

Author(s): llaSHBAUGH, wc Malm, WZ Sadeh

Annual Conference: 1983, Vol. 1

Paper ID: 83-10P.13

Summertime Visibility Declines: Meteorological Influences

Author(s): CS Sloane

Annual Conference: 1983, Vol. 1

Paper ID: 83-11.3

Plume Visibility Model Intercomparison Study: A Progress Report

Author(s): WH White, DW Heinold, MW Eltgroth, LW

Richards, PT Roberts

Annual Conference: 1983, Vol. 1

Paper ID: 83-11.4

Visibility Indices: A Review and New Directions

Author(s): RC Henry, J Collins, W Frei Annual Conference: 1983, Vol. 1

Paper ID: 83-11.5

Assessing Visibility Impacts on Visitor Perception of Class 1 Parks and Wilderness Areas

Author(s): TC Daniel, DA Latimer Annual Conference: 1983, Vol. 1

Paper ID: 83-11.6

Visibility Impact Analysis for Decision Making: Existing Tools and Future Needs

Author(s): DA Latimer, VA Evans Annual Conference: 1983, Vol. 1

Paper ID: 83-11.7

A Methodology for Determining The Adversity of Visibility Impairment

Author(s): WC Malm, D Shaver Annual Conference: 1983, Vol. 1

Paper ID: 83-11.8

Respiratory Effects on Populations from Low-Level Exposure to Ozone

Author(s): MD Lebowitz, CJ Holberg, RR Dodge

Annual Conference: 1983, Vol. 1

Paper ID: 83-12.5

Comprehensive Monitoring Program for Fossil Fuel Utility Boilers

Author(s): JW Moffett, AM Garcia Annual Conference: 1983, Vol. 1

Paper ID: 83-13.3

Lidar Remote Sensing Techniques for Regulatory Compliance of Plume Opacity

Author(s): B Caputo, RW Dow, RL Johnson, DA Leonard

Annual Conference: 1983, Vol. 1

Paper ID: 83-13.4

Practical Considerations of Gathering Necessary Data During Incinerator Test Burns

Author(s): RF Toro

Annual Conference: 1983, Vol. 1

Paper ID: 83-13.5

Air Ion Concentrations

Author(s): MV O'Brien

Annual Conference: 1983, Vol. 1

Paper ID: 83-13.6

A receptor Source Apportionment Model for Inhalable Particulate Matter in Newark, NJ

Author(s): Mmorandi, JM Daisey, PJ Lioy

Annual Conference: 1983, Vol. 1

Paper ID: 83-14.2

Models to Develop Control Strategies for PM 10

Author(s): TH Pace

Annual Conference: 1983, Vol. 1

Paper ID: 83-14.3

Chemical Element Balance by Linear Programming

Author(s): ES Hougland

Annual Conference: 1983, Vol. 1

Paper ID: 83-14.7

Receptor Model Identification of Particulate Sources and Implications for the Development of Air Quality Control Strategies for Chicago

Author(s): PA Scheff, RJ Allen, RA Wadden

Annual Conference: 1983, Vol. 1

Paper ID: 83-14.8

Poster Session: Data Analysis & Experimental Design

Author(s): T Curran

Annual Conference: 1983, Vol. 1

Paper ID: 83-15P

Analysis of Selected Models Relating Daily Maximum Exceedances to Annual Mean Nitrogen Dioxide Concentration

Author(s): T Johnson, J Capel, T McCurdy, RB Atherton

Annual Conference: 1983, Vol. 1

Paper ID: 83-15P.2

Analysis of Ozone Trends for Selected Indices of Daily Maximum Air Quality Data

Author(s): J Capel, TR Johnson, T McCurdy

Annual Conference: 1983, Vol. 1

Paper ID: 83-15P.4

Planning for ADP Audits in Laboratory or Field Projects

Author(s): DA Cox

Annual Conference: 1983, $Vol.\ 2$

Paper ID: 83-16.2

Quality Assurance for the Assessment of Exposure of Humans to Air Pollutants

Author(s): RC Jordan, LT Hackworth, DH Smith, JN Howard

Annual Conference: 1983, Vol. 2

Paper ID: 83-16.4

Precision Estimates for Bioassays

Author(s): LE Meyers

Annual Conference: 1983, Vol. 2

Paper ID: 83-16.5

The Performance Audit Program for Gaseous Certified Reference Materials

Author(s): RS Wright, WC Eaton, CE Decker, DJ von

Lehmden

Annual Conference: 1983, Vol. 2

Paper ID: 83-16.6

Measurement of Ambient Hi-Volume Filters by Microscopic and Bulk Chemistry Methods

Author(s): GS Casuccio, PB Janocko, SL Dattner, JS

Mgebroff, JL Zalar

Annual Conference: 1983, Vol. 2

Paper ID: 83-17.1

New Advances in Beta Gauge Dust Measurements: An Automatic Chain of Samplers & Assoc. Codification Beta Labs Instruments: Semi Continuous Beta Monitors Used in Alarm Networks

Author(s): F Gourdon

Annual Conference: 1983, Vol. 2

Paper ID: 83-17.2

A Thin Film Technique for Atmosphere Related Aerosols and Its Application to Field Experiment in Urban Atmosphere

Author(s): Y Ueno

Annual Conference: 1983, Vol. 2

Paper ID: 83-17.3

A Monitoring Program to Evaluate Community Health-Related Air Pollutant Concentration

Author(s): JC Chow, JG Watson, RR Knapp, JJ Shah

Annual Conference: 1983, Vol. 2

Paper ID: 83-17.4

Air Quality Monitoring for the Uranium Industry

Author(s): H Frentz

Annual Conference: 1983, Vol. 2

Paper ID: 83-17.5

Ambient Particulate Matter in Eastern Arizona

Author(s): E Thomas, PR Buseck Annual Conference: 1983, Vol. 2

Paper ID: 83-17.6

Alternatives Available to Companies to Meet the Clean Air Act

Author(s): AH Aspengren, DM Benforado

Annual Conference: 1983, Vol. 2

Paper ID: 83-18.1

The Effect of the Existing Regulatory Environment on Emerging Technology

Author(s): JW Phillips, JD Lokey Annual Conference: 1983, Vol. 2

Paper ID: 83-18.2

Corporate Average Emission Standard for Automobile

Author(s): AJ Olsen, RL Hayes, KM McElroy, RF Lorang

Annual Conference: 1983, Vol. 2

Paper ID: 83-18.5

Towards a More Rational Geographical Basic for Determining Compliance with Ambient Standards

Author(s): FD Muschett

Annual Conference: 1983, Vol. 2

Paper ID: 83-18.6

The Evolution of Environmental Auditing: Implications for Firms and for Regulators

Author(s): J Palmisano

Annual Conference: 1983, Vol. 2

Paper ID: 83-19.1

Safeguarding Confidential Business Information

Author(s): DJ Henz

Annual Conference: 1983, Vol. 2

Paper ID: 83-19.2

The Role of Environmental Auditing for Industry and Regulators

Author(s): ST MacIntyre

Annual Conference: 1983, Vol. 2

Paper ID: 83-19.4

Environmental Auditing and North Carolina: Regulators Encourage Use of a Catalyst for Environmental Protection

Author(s): WG Ross

Annual Conference: 1983, Vol. 2

Paper ID: 83-19.5

A Utility Experience with an Environmental Quality Assessment Program

Author(s): MF Basta

Annual Conference: 1983, Vol. 2

Paper ID: 83-19.6

Effects of Simulated Ozone and Sulfur Dioxide Fumigations on Soybeans in Open-Top Field Chambers

Author(s): GC Pratt

Annual Conference: 1983, Vol. 1

Paper ID: 83-2.1

The Potential for the Interaction of Acidic Precipitation and Ozone Pollutant Doses Affecting Agricultural Crops

Author(s): AS Lefohn, HM Benedict Annual Conference: 1983, Vol. 1

Paper ID: 83-2.2

The Impact of Rising Electric Power Generation on Vegetation in Southeastern Ohio

Author(s): JS Jacobson, RE Showman Annual Conference: 1983, Vol. 1

Paper ID: 83-2.3

Oxidants and Acid Precipitation: A Method for Identifying and Modeling Effects on United States Soybean Yield

Author(s): WH Medeiros, PD Moskowitz, EA Coveney, HC

Thode

Annual Conference: 1983, Vol. 1

Paper ID: 83-2.4

The Federal Land Manager's Certification of NO Adverse Impact for Theodore Roosevelt National Park

Author(s): JP Bennett

Annual Conference: 1983, Vol. 1

Paper ID: 83-2.6

EPA'S Auditing of Air Pollution Control Programs: Present and Future

Author(s): JJ Silvasi, J Calcagni Annual Conference: 1983, Vol. 2

Paper ID: 83-20.2

Aspects of the Department of the Interior Air Quality Regulatory Program for Outer Continental Shelf Operations

Author(s): MT Baer, JT Goll Annual Conference: 1983, Vol. 2

Paper ID: 83-20.3

Control Program Implementation in the Face of Uncertainty in the Decisionmaking Process

Author(s): SA Tamplin, FW Sherman Annual Conference: 1983, Vol. 2

Paper ID: 83-20.4

A Joint Governmental-Industrial Effort to Evaluate Acid Deposition in Texas and to Formulate a Plan for Future Activities

Author(s): JA Levy

Annual Conference: 1983, Vol. 2

Paper ID: 83-20.5

Potential Particle Size Considerations in Developing Emission Trading Proposals

Author(s): LH Stander

Annual Conference: 1983, Vol. 2

Paper ID: 83-21.3

Fugitive Dust Source Inventory and Control Erie County, New York

Author(s): DC Skoney, AT Voell, A Carlacci

Annual Conference: 1983, Vol. 2

Paper ID: 83-21.4

Evaluation of Size-Specific Particulate Matter Emissions in Houston and El Paso, Texas

Author(s): SL Heisler, JJ Shah, GH Hay, RJ Troop

Annual Conference: 1983, Vol. 2

Paper ID: 83-21.5

Potential Growth in Fugitive Dust Emissions Associated with Synfuel Development

Author(s): WR Oliver

Annual Conference: 1983, Vol. 2

Paper ID: 83-21.6

A Methodology for Propagating Measurement Uncertainties Through Dispersion Models

Author(s): DL Freeman, RT Egami, NF Robinson, JG Watson

Annual Conference: 1983, Vol. 2

Paper ID: 83-23.1

Implications of Incomplete Sampling in a Statistical Form of The Ambient Air Quality Standard for Particulate Matter

Author(s): JE Davidson, PK Hopke Annual Conference: 1983, Vol. 2

Paper ID: 83-23.2

Legal Flexibility in the Gray Area

Author(s): JJ McNealey

Annual Conference: 1983, Vol. 2

Paper ID: 83-23.3

Air Sampling Around a Hazardous Liquid Surface Impoundment

Author(s): DC Guzewich, CA Bond, RJ Valis, JH Vinopal, DP

Deeter

Annual Conference: 1983, Vol. 2

Paper ID: 83-24.1

Design and Operation of a Mobile Hazardous Materials Monitoring System

Author(s): RC Hall, WC Crow, EC Miller, JM Hazlett

Annual Conference: 1983, Vol. 2

Paper ID: 83-24.3

An Instrumental Analytical Technique for Gaseous Forms of Mercury in Ambient Air

Author(s): WH Schroeder

Annual Conference: 1983, Vol. 2

Paper ID: 83-24.4

Helium Microwave Plasma Detection for GC Using a Simultaneous Multichannel Spectrometer

Author(s): M Dancziger, RA Jackson, M Shats

Annual Conference: 1983, Vol. 2

Paper ID: 83-24.5

Ambient Hydrocarbon Monitoring in Lake County, Indiana

Author(s): A Khan, L Singh Annual Conference: 1983, Vol. 2

Paper ID: 83-24.6

Radar and Satellite Studies of the Impact of Mesoscale Convective Precipitation and Wind Systems on Visibility, Sulfates and Oxidants During Persistent Elevated Pollution Episodes

Author(s): WA Lyons, RH Calby Annual Conference: 1983, Vol. 2

Paper ID: 83-25.1

Two-Dimensional Sensing of Ozone and Aerosols:

Comparison Between Remote and In Situ Sensors

Author(s): DS McDougal, EV Browell, ST Shipley, MS

Shumate, WB Grant

Annual Conference: 1983, Vol. 2

Paper ID: 83-25.2

Vermilion Cliffs Monitoring Site Ambient Monitoring Report December 1981

Author(s): R Candelaria, E Johnson, D Sultana, M Pierce, LD

Shakespear, H Bjorn

Annual Conference: 1983, Vol. 2

Paper ID: 83-25.6

The Use of Instrumented Mobile Laboratories to Determine Gaseous Pollutant Impacts

Author(s): JE Cunningham Annual Conference: 1983, Vol. 2

Paper ID: 83-25.7

Comparison of Mixing Height Obtained by Using a Monsostatic Acoustic Radar and By Direct-Measurement in a Tropical Coastal Environment

Author(s): E Koo, WL Chang, CM Tam

Annual Conference: 1983, Vol. 2

Paper ID: 83-25.8

A Survey of Emergency Models an Applications-Part 1: Models Developed for Hazardous Spills Applications

Author(s): SR Hanna, B Munger Annual Conference: 1983, Vol. 2

Paper ID: 83-26.1

Numerical Models and Their Role in Emergency Response: A Perspective on Dispersion Modeling for Emergency Preparedness

Author(s): GD Greenly, MH Dickerson Annual Conference: 1983, Vol. 2

Paper ID: 83-26.3

Development of Site-Specific Nonuniform Meteorological Fields for Emergency Assessment

Author(s): SJ Krivo, GR Brown, SL Marsh

Annual Conference: 1983, Vol. 2

Paper ID: 83-26.4

Safer System Dispersion Model for /emergency Predictions of Hazardous Releases

Author(s): RC Sklarew

Annual Conference: 1983, Vol. 2

Paper ID: 83-26.5

Accident Dispersion Modeling a Simplified Approach

Author(s): DW Hopper, DB Chambers Annual Conference: 1983, Vol. 2

Paper ID: 83-26.6

Air Quality Modeling of Chemical Spills: Determination of Thermophysical Properties of Chemical not Included in the Data Base of the Shell Spills Model

Author(s): RJ Kricks, S Pan, T Minnich Annual Conference: 1983, Vol. 2

Paper ID: 83-26.7

Air Quality Modeling of Chemical Spills: Sensitivity Analysis of Thermophysical Property Parameters Used As Input to the Shell Spills Model

Author(s): SC Pan, rj Kricks, TR Minnich

Annual Conference: 1983, Vol. 2

Paper ID: 83-26.8

Indoor Air Pollution Monitoring Epidemiology

Author(s): MD Lebowitz

Annual Conference: 1983, Vol. 2

Paper ID: 83-27.3

Resolving the Acidic Debate on Acid Precipitation

Author(s): FD Muschett

Annual Conference: 1983, Vol. 2

Paper ID: 83-28.6

Analysis of Variations in Sulfur Deposition Associated with Proposed Regional Emission Reductions

Author(s): BL Niemann

Annual Conference: 1983, Vol. 2

Paper ID: 83-28.7

Carbon Dioxide Research

Author(s): FA Koomanoff

Annual Conference: 1983, Vol. 2

Paper ID: 83-29.1

Leachate of Dry Scrubber Wastes

Author(s): PS Frber, CD Livengood, JL Anderson

Annual Conference: 1983, Vol. 2

Paper ID: 83-29.2

Study Design to Relate Residential Energy Use, Air Filtration and Indoor Air Ouality

Author(s): NL Nagda, md Koontz, HE Rector, D Harrje, A

Lannus, R Patterson, G Purcell Annual Conference: 1983, Vol. 2

Paper ID: 83-29.3

Shredded Tires for Electric Generation

Author(s): MV O'Brien, WC Hanson Annual Conference: 1983, Vol. 2

Paper ID: 83-29.4

The Effect of Economic and Environmental Factors on Cogeneration Development in California

Author(s): B Garelick

Annual Conference: 1983, Vol. 2

Paper ID: 83-29.7

Protecting Public Welfare: The Role of Environmental Effects Information in Air Standards Development

Author(s): JD Bachmann, LJ Zaragoza Annual Conference: 1983, Vol. 1

Paper ID: 83-3.1

Adverse Effects of Air Pollutants on Plants

Author(s): WA Feder

Annual Conference: 1983, Vol. 1

Paper ID: 83-3.2

A Comparison of Alternative Approaches to Benefits Analysis of Air Quality Standards

Author(s): RL Horst, EH Manuel, KM Brennan

Annual Conference: 1983, Vol. 1

Paper ID: 83-3.5

Contribution of Hydroxyl Radical Addition Mechanism to 20-2-4 Formation A Smog Chamber Study

Author(s): KJ Olszyna, JF Meagher Annual Conference: 1983, Vol. 2

Paper ID: 83-30.3

A Study of Pollutant Concentration Predicted by Four Chemical Mechanisms

Author(s): AM Dunker, S Kumar, PH Berzins

Annual Conference: 1983, Vol. 2

Paper ID: 83-30.4

Reactive Plume Models: Effects of Stack Exit Conditions on the Formation of Acidic Products

Author(s): LJ Forney, FM Droescher Annual Conference: 1983, Vol. 2

Paper ID: 83-30.5

Modeling Studies of Acid Rain Chemistry

Author(s): C Seigneur, P Saxena, PM Roth

Annual Conference: 1983, Vol. 2

Paper ID: 83-30.6

SO2(g) to Sulfate Conversion Rate in an Oil-Fired Power Plant Plume in a Fog Bank

Author(s): DJ Eatough, RJ Arthur, NL Eatough, MW Hill, NF

Mangelson, JA Cooper

Annual Conference: 1983, Vol. 2

Paper ID: 83-31.1

Statistical and Case Study Meteorological Relationships for Sulfate Formation in the Los Angeles Basin

Author(s): MD Zeldin, RJ Farber, RW Keith

Annual Conference: 1983, Vol. 2

Paper ID: 83-31.2

Oxidant Production and Transport in the Atlanta, GA Region

Author(s): H Westberg, B Lamb Annual Conference: 1983, Vol. 2

Paper ID: 83-31.3

Dispersion, Mixing and Chemical Reaction in a Heterogeneous Urban-Industrial Plume

Author(s): WH White, DE Patterson Annual Conference: 1983, Vol. 2

Paper ID: 83-31.5

Demonstration of Photochemical Grid Model Usage for Zone Control Assessment

Author(s): DE Layland, SD Reynold, H Hogo, WR Oliver

Annual Conference: 1983, Vol. 2

Paper ID: 83-31.6

Ozone and Oxides of Nitrogen in the Rural Upper Midwestern U.S.A.

Author(s): GC Pratt, SV Krupa, RC Hendrickson, BI Chevone,

da Christopherson, MV O'Brien Annual Conference: 1983, Vol. 2

Paper ID: 83-31.7

Clarifying a Cloudy Issue: Time-Series Analysis of Atmospheric Deposition

Author(s): JC Abramburn, WJ Parkhurst

Annual Conference: 1983, Vol. 3

Paper ID: 83-32.1

Practical Aspects of Quality Control and Assurance for Precipitation Chemistry Measurements

Author(s): PK Mueller, JJ Jansen Annual Conference: 1983, Vol. 3

Paper ID: 83-32.11

NADP Quality Control Procedures for Wet Deposition Sample Collection and Field Measurements

Author(s): GJ Stensland, ME Peden, VC Bowersox

Annual Conference: 1983, Vol. 3

Paper ID: 83-32.2

Atmospheric Deposition Reference Materials: Measurement of ph and Acidity

Author(s): WF Koch, G Marinenko Annual Conference: 1983, Vol. 3

Paper ID: 83-32.3

Status of Research to Develop Acidic Dry Deposition Monitoring Capability

Author(s): JL Durham, BB Hicks, ML Wesley, RG DePena, D

Thomson

Annual Conference: 1983, Vol. 3

Paper ID: 83-32.4

Some Aspects of Data Validation in Acid Deposition Studies

Author(s): BC Madsen

Annual Conference: 1983, Vol. 3

Paper ID: 83-32.5

Florida Acid Deposition Study-An Overview

Author(s): CD Henderson, ER Hendtrickson

Annual Conference: 1983, Vol. 3

Paper ID: 83-32.8

Identification of the Various Constituents of Inhalable Particulates at Six Illinois Locations

Author(s): DJ Kolaz

Annual Conference: 1983, Vol. 3

Paper ID: 83-33.3

A New PM-10 Medium Flow Sampler

Author(s): JG Olin, RP Bohn Annual Conference: 1983, Vol. 3

Paper ID: 83-33.4

Evaluation of Prototype PM-10 Inlets with Cyclonic Fractionators

Author(s): AR McFarland, CA Ortiz Annual Conference: 1983, Vol. 3

Paper ID: 83-33.5

Atmospheric Deposition and Ionic Input in Adirondack Forests

Author(s): AV Mollitor, DJ Raynal Annual Conference: 1983, Vol. 3

Paper ID: 83-34.1

Contributions of Acid Deposition and Natural Processes to Cation Leaching from Forest Soils: A Review

Author(s): DW Johnson, DD Richter, HV Miegroet, DW Cole

Annual Conference: 1983, Vol. 3

Paper ID: 83-34.2

Effects of Acid Rain and Gaseous Pollutants on Forest Productivity: A Regional Approach

Author(s): SB McLaughlin, TJ Blasing, LK Mann, DD Duvick

Annual Conference: 1983, Vol. 3

Paper ID: 83-34.3

Red Spruce Decline in the Northeastern U.S.; Hypotheses Regarding the Role of Acid Rain

Author(s): AH Hohnson

Annual Conference: 1983, Vol. 3

Paper ID: 83-34.4

Air Quality Model Evaluation/Poster Session

Author(s): GF Hoffnagle

Annual Conference: 1983, Vol. 3

Paper ID: 83-35P

A Plume Rise Algorithm for Industrial-Sized Point Sources

Author(s): DR D'Auben, DA Lawler Annual Conference: 1983, Vol. 3

Paper ID: 83-35P.2

Development of a Protocol to be Used for Dispersion Model Comparison Studies

Author(s): CJ Durrenberger, BA Broberg, KA Zimmerman

Annual Conference: 1983, Vol. 3

Paper ID: 83-36.1

A Simplified Method to Compute Radio-Nuclide Concentrations Under Sea Breeze Situations

Author(s): ST Thomas, A Kumar Annual Conference: 1983, Vol. 3

Paper ID: 83-36.2

Guidelines for Stack Downwash in Plume Modeling Experiments

Author(s): TJ Overcamp

Annual Conference: 1983, Vol. 3

Paper ID: 83-36.3

A Comparison of the Short-Term and Long-Term Dispersion Algorithms for the Industrial Source Complex Model

Author(s): JT Bowman, JW Crowder Annual Conference: 1983, Vol. 3

Paper ID: 83-36.4

A Simplified Scoring System for Air Quality Model

Author(s): SR Hanna, B Munger Annual Conference: 1983, Vol. 3

Paper ID: 83-36.6

Physiological Processes in Olfactory Adaptation

Author(s): RC Gesteland, M Lidow, DB Kurtz

Annual Conference: 1983, Vol. 3

Paper ID: 83-37.1

Are Odor Intensities Measured in the Laboratory Higher than in Ambient Air?

Author(s): A Turk, WS Cain, M Brisk Annual Conference: 1983, Vol. 3

Paper ID: 83-37.2

Odor Intensity from Odor Profiles

Author(s): A Dravnieks, L Moelhave Annual Conference: 1983, Vol. 3

Paper ID: 83-37.3

Butanol Olfactometer for Field Measurement of Ambient Odors

Author(s): JM Sweeten, AR McFarland, JE Sorel, RO Gauntt,

DL Reddell

Annual Conference: 1983, Vol. 3

Paper ID: 83-37.4

Determining Odor Emission Rates Via Stationary and Floating Wind Tunnels

Author(s): PR Jann

Annual Conference: 1983, Vol. 3

Paper ID: 83-37.5

Ambient Odor Modeling to Determine Control Requirements

Author(s): DR Murray, RA Duffee Annual Conference: 1983, Vol. 3

Paper ID: 83-37.6

Adequacy of Low-Sulfur Coal Supplies for Meetings Acid Rain Requirements

Author(s): DE Klein

Annual Conference: 1983, Vol. 3

Paper ID: 83-38.1

22 MW Coal-Fired Demonstration of Dry SO2 Scrubbing with Sodium Sorbent Compounds

Author(s): LJ Muzio, TW Sonnichsen, GP Green, HG Brines,

RG Hooper

Annual Conference: 1983, Vol. 3

Paper ID: 83-38.5

Economics of Dry FGD by Sorbent Injection

Author(s): DJ Naulty, RW Scheck, DA McDowell, RG

Hopper

Annual Conference: 1983, Vol. 3

Paper ID: 83-38.6

Definition of the Long-Term Control Efficiency of Chemical Dust Suppressants Applied to Unpaved Roads

Author(s): GE Muleski, TA Cuscion, C Cowherd

Annual Conference: 1983, Vol. 3

Paper ID: 83-39.1

Cost-Effectiveness of Dust Suppressants on Surface Coal Mine Haul Roads

Author(s): KD Rosbury, RA Zimmer Annual Conference: 1983, Vol. 3

Paper ID: 83-39.2

Fugitive Dust Reading Technique from Roads and Parking Lots

Author(s): JW Walton, EC Koontz Annual Conference: 1983, Vol. 3

Paper ID: 83-39.3

Fugitive Dust Control at a Dry Process Cement Plant

Author(s): RT Runnels

Annual Conference: 1983, Vol. 3

Paper ID: 83-39.4

Development of the Industrial Process Fugitive Emission Inventory for Region V Great Lakes Shoreline

Author(s): ESW Lin

Annual Conference: 1983, Vol. 3

Paper ID: 83-39.6

Experience of a Coke & Iron Production Facility with Non-Traditional Dust Control

Author(s): GA Manown

Annual Conference: 1983, Vol. 3

Paper ID: 83-40.3

The Alternative Energy Saving Approach to Arc Furnace Fume Control: A Three Year Update

Author(s): RA Walli, PG Compling Annual Conference: 1983, Vol. 3

Paper ID: 83-40.4

Solving Gas Handling and Fugitive Dust Emission Problems with Ultrafine Water Atomization

Author(s): JM Bruno

Annual Conference: 1983, Vol. 3

Paper ID: 83-40.5

A Study of Cost-Effective Chemical Dust Suppressants for Use on Unpaved Roads in the Iron and Steel Industry

Author(s): D Russell, SC Caruso Annual Conference: 1983, Vol. 3

Paper ID: 83-40.6

Investigation of Acidic Matter Emissions at the Niles Generating Station

Author(s): MJ Kisha, ED Goerss, MP Schwinn

Annual Conference: 1983, Vol. 3

Paper ID: 83-41.2

A Review of Flue Gas Conditioning with Ammonia and Organic Amines

Author(s): EB Dismukes

Annual Conference: 1983, Vol. 3

Paper ID: 83-41.3

The Raising of the Sunbury SEC Fly Ash Basin No, 3 Earth Dam

Author(s): GE Kautzmann Annual Conference: 1983, Vol. 3

Paper ID: 83-42.2

New Source Performance Standards for Industrial Surface Coating Operations

Author(s): D Salman

Annual Conference: 1983, Vol. 3

Paper ID: 83-43.1

The Role of Transfer Efficiency in Paint Emissions Compliance

Author(s): EA Praschan

Annual Conference: 1983, Vol. 3

Paper ID: 83-43.4

Developing Effective Compliance Alternatives

Author(s): TW Zosel

Annual Conference: 1983, Vol. 3

Paper ID: 83-43.5

A Baghouse on a Glass Furnace: A Lesson in Bag Specification

Author(s): KE Carney, WR King Annual Conference: 1983, Vol. 3

Paper ID: 83-44.2

Advances in Pollution Control in the Glass Industry: An Improved System for Effective Dry SOx and Particulate Control

Author(s): PS Tarapore, JM Towarnicky Annual Conference: 1983, Vol. 3

Paper ID: 83-44.3

Emergency Response System for H2S Release at a Major Gas Processing Facility

Author(s): JA Secrest

Annual Conference: 1983, Vol. 3

Paper ID: 83-44.4

Emissions from Hazardous Waste Treatment and Disposal

Author(s): RN Hazelwood Annual Conference: 1983, Vol. 3

Paper ID: 83-44.6

Characteristic of Forest Fuels, Fires and Emissions

Author(s): CK McMahon

Annual Conference: 1983, Vol. 3

Paper ID: 83-45.1

Source-Strength Modeling of Particulate Matter Emissions from Forest Fires

Author(s): DE Ward

Annual Conference: 1983, Vol. 3

Paper ID: 83-45.2

Emission Reduction for Prescribed Burning

Author(s): DV Sandberg

Annual Conference: 1983, Vol. 3

Paper ID: 83-45.3

Rural Dispersion Climatology of the Contiguous United States

Author(s): LG Lavdas

Annual Conference: 1983, Vol. 3

Paper ID: 83-45.4

Prescribed Burning in the Pacific Northwest: Costs and Benefits in Light of the Clean Air Act Visibility Standards

Author(s): AA Marcus

Annual Conference: 1983, Vol. 3

Paper ID: 83-45.5

New York State's Toxic Air Contaminants Program

Author(s): HH Hovey, TJ Cashman Annual Conference: 1983, Vol. 3

Paper ID: 83-46.2

Experiences with Toxic Air Contaminant Control in Philadelphia

Author(s): CA Lazenka, NJ Ciciretti, RT Ostrowski, W Reilly

Annual Conference: 1983, Vol. 3

Paper ID: 83-46.3

Clinch River Revisited: A New Look at Dispersion Modeling in Complex Terrain

Author(s): ME Garrison, MF Basta Annual Conference: 1983, Vol. 3

Paper ID: 83-47.1

Measurements of Power Plant Plume Dispersion in Hilly Terrain

Author(s): AC Dittenhoefer Annual Conference: 1983, Vol. 3

Paper ID: 83-47.2

Sensitivity of Short-Term Extreme Concentration Predictions to Alternative Model Options and Meteorological Data Sets

Author(s): LL Gautney, TC Koss, DT Bailey

Annual Conference: 1983, Vol. 3

Paper ID: 83-47.3

Comparative Performance Evaluation of Two Complex Terrain Dispersion Models

Author(s): RP Burkhart, RJ Londergan, RA Tothstein, HS

Borenstein

Annual Conference: 1983, Vol. 3

Paper ID: 83-47.4

Air Quality Model Validation: Application to the San Francisco Bay Area and St. Louis

Author(s): JE Penner, JJ Walton, T Umeda

Annual Conference: 1983, Vol. 3

Paper ID: 83-47.5

Forecast Ability of an Urban Carbon Monoxide Box Model

Author(s): GE Long, P Middleton, RL Dennis, RW Miksad

Annual Conference: 1983, Vol. 3

Paper ID: 83-47.6

Light Duty Diesel Vehicle Emissions at High Altitude

Author(s): TW Hollman, JL Gallagher Annual Conference: 1983, Vol. 3

Paper ID: 83-48.2

Catalytic Control of Light-Duty Diesel Vehicle Emissions

Author(s): MF Buchman, BE Enga Annual Conference: 1983, Vol. 3

Paper ID: 83-48.3

A Technological Assessment of Heavy Duty Diesel Particulate Traps

Author(s): SM Shahed, ZN Mogaka, R Sachdev, VW Wong

Annual Conference: 1983, Vol. 3

Paper ID: 83-48.4

Factors Influencing the Emissions of Nitrated-Polynuclear Aromatic Hydrocarbons (NITRO-PAH) from Diesel Engines

Author(s): D Schuetzle, JM Periz Annual Conference: 1983, Vol. 3

Paper ID: 83-48.6

Dust Control on Active Tailings Ponds

Author(s): RJR Bohn, JD Johnson Annual Conference: 1983, Vol. 3

Paper ID: 83-49.1

Assessment of Thoracic Particulate Levels at Surface Mining Operations

Author(s): JP Constantiono, PB Janocko, GS Casuccio

Annual Conference: 1983, Vol. 3

Paper ID: 83-49.2

Identifying the Sources of TSP and Lead in El Paso Using Microscopy and Receptor Models

Author(s): S Dattner, S Mgebroff, G Casuccio, P Janocko

Annual Conference: 1983, Vol. 3

Paper ID: 83-49.3

Quantifying Fugitive Emissions from Mining and Materials Handling Operations Using Gas Trace techniques

Author(s): RA Baxter

Annual Conference: 1983, Vol. 3

Paper ID: 83-49.4

Statistics of the AMC 1982 Haul Road Dust Control Survey

Author(s): RG Steen, JA Kuenning, JG Moldovan

Annual Conference: 1983, Vol. 3

Paper ID: 83-49.5

Engineering & Economic Costs of Pollution Control

Author(s): J Yates

Annual Conference: 1983, Vol. 1

Paper ID: 83-4P

Benefit Model for Pollution Effects on Materials

Author(s): AR Stankunas, EF McCarthy, JE Yocom

Annual Conference: 1983, Vol. 1

Paper ID: 83-5.4

Marble Tombstone in National Cemeteries as Indicators of Stone Damage: General Methods

Author(s): NS Baer, SM Berman Annual Conference: 1983, Vol. 1

Paper ID: 83-5.7

Material Damage Due to Air Pollutants: Design of a Field Monitoring Program

Author(s): AR Stankunas, EF McCarthy Annual Conference: 1983, Vol. 1

Paper ID: 83-5.8

Combustion of Alternate Liquid Fuels in High Efficiency Boilers

Author(s): ET Murphy

Annual Conference: 1983, Vol. 4

Paper ID: 83-50.1

Test Results: Hazardous Waste Disposal in an Industrial Boiler

Author(s): GM Higgins

Annual Conference: 1983, Vol. 4

Paper ID: 83-50.3

Burning Hazardous Waste in Cement Kilns

Author(s): JF Chadborne, AJ Helmstetter

Annual Conference: 1983, Vol. 4

Paper ID: 83-50.4

Development of Waste Oil Regulations in New Jersey

Author(s): JL Held

Annual Conference: 1983, Vol. 4

Paper ID: 83-50.5

Waste Oil Combustion at a Batch Asphalt Plant: Trial Burn Sampling and Analysis

Author(s): JC Harris, LM Schlickenrieder

Annual Conference: 1983, Vol. 4

Paper ID: 83-51.1

A Screening Technique for Siting Hazardous Waste Incinerators in New Jersey

Author(s): R Harkov, NM Reiss, G Baranowski

Annual Conference: 1983, Vol. 4

Paper ID: 83-51.2

RCRA and Incineration of "Hazardous Wastes": Coping with the Loopholes

Author(s): PM Purseglove Annual Conference: 1983, Vol. 4

Paper ID: 83-51.3

Introduction to the Unique Theram Oxidizer at General Electric Company, Pittsfield, MA

Author(s): JH Thayer, AC Granfield, O Hrycyk, L Kurylko

Annual Conference: 1983, Vol. 4

Paper ID: 83-51.6

Control of Dioxin Emissions from Incineration

Author(s): AJ Teller, JD Lauber Annual Conference: 1983, Vol. 4

Paper ID: 83-51.7

Flaring Combustion Efficiency A Review of the State of Current Knowledge

Author(s): JJ Dubnowski, BC Davis Annual Conference: 1983, Vol. 4

Paper ID: 83-52.10

Permitting Coal-Fired Industrial Boilers: Case Histories

Author(s): PE Neil, DR Mayfield Annual Conference: 1983, Vol. 4

Paper ID: 83-52.3

Diagnostic Test Burns on Solid, Liquid and Slurry Waste Materials

Author(s): KC Schifftner, H Hesketh Annual Conference: 1983, Vol. 4

Paper ID: 83-52.5

Analysis of Particulate Emissions of Stoker Coal Fired Boilers

Author(s): HK Owens, JW Davis, WH Axtman

Annual Conference: 1983, Vol. 4

Paper ID: 83-52.6

Case Study: Conversion of an Oil/Gas Fired Industrial Boiler to Wood

Author(s): RC Cooke, JL Reese, AR Abele

Annual Conference: 1983, Vol. 4

Paper ID: 83-52.8

Operating Experience at the Shamokin Culm Burning Steam Generation Plant

 $\hbox{Author(s): PA Bender, D Samela, WG Smith, G Tsoumpas, JF}$

Laukaitis, HW Lockman Annual Conference: 1983, Vol. 4

Paper ID: 83-53.3

Control of Effluents from Fluidized Bed Steam Generators

Author(s): BT Sinn, JAG Mallol, DA Toth

Annual Conference: 1983, Vol. 4

Paper ID: 83-53.4

A Comparative Study of Fly Ash from Coal-Burning Installations (PCC and FBC)

Author(s): AJ Gay, PJ van Duin, AP von Rosenstiel

Annual Conference: 1983, Vol. 4

Paper ID: 83-53.5

Operating Experience with a Coal Fired Two Stage FBC in an Industrial Plant

Author(s): RS Sadowski, PF Fennelly, RR Hall

Annual Conference: 1983, Vol. 4

Paper ID: 83-53.6

Operating Experience with Industrial Fluidized Bed Boilers

Author(s): BR Hutchinson Annual Conference: 1983, Vol. 4

Paper ID: 83-53.7

Efficiency and Emission Performance of Residential Wood Heaters with Advanced Designs

Author(s): DK Knight, C Knight Annual Conference: 1983, Vol. 4

Paper ID: 83-54.1

Comparison of Measured and Modeled Ambient Concentrations of Residential Wood Combustion Emissions

Author(s): RE Imhoff, JA Manning, GM Russwurm, KG

Kronmiller

Annual Conference: 1983, Vol. 4

Paper ID: 83-54.10

Mutagenic and Chemical Changes in Dilute Wood Smoke as it Ages and Reacts in the Atmosphere an Outdoor Chamber Study

Author(s): RM Kamens, GD Rives, JM Perry, RG Goodman,

DA Saucy

Annual Conference: 1983, Vol. 4

Paper ID: 83-54.12

Study of the Effectiveness of a Catalytic Combustion Device on a Wood Burning Appliance

Author(s): JM Allen, WH Piispanen, M Cooke

Annual Conference: 1983, Vol. 4

Paper ID: 83-54.2

Emission Characterization for a Residential Fluidized-Bed Wood-Chip Burner

Author(s): RS Truesdale

Annual Conference: 1983, Vol. 4

Paper ID: 83-54.3

Characterization of Emissions of PAH's from Residential Coal Fired Space Heaters

Author(s): CR Sanborn, M Cooke, WE Bresler, MC Osborne

Annual Conference: 1983, Vol. 4

Paper ID: 83-54.4

Evaluation of Emissions from Three Residential Coal-Fired Space Heaters

Author(s): CR Sanborn

Annual Conference: 1983, Vol. 4

Paper ID: 83-54.5

Evaluation of an S2 Sampler for Receptor Modeling of Woodsmoke Emissions

Author(s): DC Stiles

Annual Conference: 1983, Vol. 4

Paper ID: 83-54.6

Winter Air Quality in a Valley Community Where Residential Wood Combustion is a Major Emissions Source

Author(s): K Sexton, JD Spengler, RD Treitman, WA Turner

Annual Conference: 1983, Vol. 4

Paper ID: 83-54.7

Development of an Emissions/Efficiency Standard for Wood-Fired Appliances

Author(s): ACS Hayden, RW Braaten Annual Conference: 1983, Vol. 4

Paper ID: 83-54.9

High Efficient-Low Pressure Drop Wet Scrubber

Author(s): HE Hesketh, KC Schifftner, RP Hesketh

Annual Conference: 1983, Vol. 4

Paper ID: 83-55.1

Effects of Changing Cyclone Dimensions on Performance

Author(s): JA Dirgo, D Leith Annual Conference: 1983, Vol. 4

Paper ID: 83-55.2

Liquid Utilization in a Venturi Scrubber

Author(s): D Leith, KP Martin, DW Cooper

Annual Conference: 1983, Vol. 4

Paper ID: 83-55.3

Electrostatic Augmentation: Field Results

Author(s): RL Crask, GD Applewhite Annual Conference: 1983, Vol. 4

Paper ID: 83-55.5

Increased Plate-to-Wire Spacing to Enhance Electrostatic Precipitator

Author(s): HL Engelbrecht Annual Conference: 1983, Vol. 4

Paper ID: 83-55.6

Operation and Maintenance of Fabric Filters at Du Pont

Author(s): RP Perkins

Annual Conference: 1983, Vol. 4

Paper ID: 83-56.1

Pennsylvania Power & Light Company Brunner Island Unit 1 Bagfilter Operating and Maintenance Problems

Author(s): GL Lear

Annual Conference: 1983, Vol. 4

Paper ID: 83-56.2

Novel Fabric Filter Solves Electric Arc Furnace Emission Problems: A Case Study

Author(s): LA Mouawad, M Neault, LL Bebchick

Annual Conference: 1983, Vol. 4

Paper ID: 83-56.4

Effect of Bus Section Failure on Electrostatic Precipitator Performance

Author(s): L Theodore, J Reynolds Annual Conference: 1983, Vol. 4

Paper ID: 83-57.10

A Program of Systematic Improvement to the Combustion Process to Achieve and Maintain Compliance with Particulate Emission Standards Using Marginally-Sized Precipitators

Author(s): JW Hilbron, LM Cavalier, DA Rogatto

Annual Conference: 1983, Vol. 4

Paper ID: 83-57.2

Electrostatic Precipitator Rappers Their Function, Operation and Maintenance

Author(s): CO Humbert

Annual Conference: 1983, Vol. 4

Paper ID: 83-57.3

Design for Better ESP/Fabric-Filter Hopper Operation and Maintenance

Author(s): JG Singer

Annual Conference: 1983, Vol. 4

Paper ID: 83-57.4

The Role of the Computer in Electrostatic Precipitator Operation and Maintenance

Author(s): LL Little, RJ Hilton, E Little Annual Conference: 1983, Vol. 4

Paper ID: 83-57.5

Summary Overall Concepts for Design, Energization and Control of Electrostatic Precipitators

Author(s): HJ Hall

Annual Conference: 1983, Vol. 4

Paper ID: 83-57.6

Major Mechanical Upgrading of an Existing Precipitator

Author(s): RE Jonelis

Annual Conference: 1983, Vol. 4

Paper ID: 83-57.8

Designing, Operating and Maintaining A Highly Reliable Flue Gas Desulfurization System

Author(s): LN Davisdson, RJ Mongillo, S Ou, CP Wedig

Annual Conference: 1983, Vol. 4

Paper ID: 83-58.1

Wet FGD System Design to Facilitate Owner's Operation and Maintenance

Author(s): NN Dharmarajan, WE England, PR Predick

Annual Conference: 1983, Vol. 4

Paper ID: 83-58.2

New Developments in Scrubber Particulate Control Technology

Author(s): RW McIlvaine Annual Conference: 1983, Vol. 4

Paper ID: 83-58.3

Maintenance and Reliability of Utility Flue-Gas Desulfurization: Projections vs. Experience

Author(s): RD Doctor

Annual Conference: 1983, Vol. 4

Paper ID: 83-58.4

Operation and Maintenance of Controlled-Air Incinerators

Author(s): RE McRee

Annual Conference: 1983, Vol. 4

Paper ID: 83-59.1

Gaseous and Particulate Emission Control on Industrial Solid Waste Incinerators Using Wet Scrubber

Author(s): JD Brady, JH Andros Annual Conference: 1983, Vol. 4

Paper ID: 83-59.2

Obtaining Consistent and Predictable Heat Recovery from Industrial Incinerator Depends on Design Selections

Author(s): JN Basic

Annual Conference: 1983, Vol. 4

Paper ID: 83-59.3

Operation and Maintenance for Industrial Incinerator Equipment

Author(s): FL Cross, HE Hesketh Annual Conference: 1983, Vol. 4

Paper ID: 83-59.4

Refractory Practice Survey in Hazardous Waste Incinerators

Author(s): JA Caprio

Annual Conference: 1983, Vol. 4

Paper ID: 83-59.5

Rational for Developing Criteria for Carcinogens

Author(s): D Mukerjee, JF Stara Annual Conference: 1983, Vol. 1

Paper ID: 83-6.1

Adverse Health Effects of Chlorinated Hydrocarbons

Author(s): ES Reynolds

Annual Conference: 1983, Vol. 1

Paper ID: 83-6.3

The Comparative Cost Effectiveness of Reducing Public Exposure to Carcinogens by Abating Chemical Plant Emissions

Author(s): JH Price, JO Ledbetter Annual Conference: 1983, Vol. 1

Paper ID: 83-6.4

A Literature Review of Air Pollution Work in Developing Countries

Author(s): JG Watson, AR Broten, SM Smith, JC Chow, JJ

Shah

Annual Conference: 1983, Vol. 4

Paper ID: 83-61.4

Industrial Pollution: Sulfur Dioxide Oxidation in Mexico City

Author(s): ME Espinosa, YI Falcon, MA Zuniga

Annual Conference: 1983, Vol. 4

Paper ID: 83-61.6

Cupola Emissions in Iron Foundries-A Case Study

 $\hbox{Author(s): R Swaminathan, MK Reddy, NS Manthapurwar}$

Annual Conference: 1983, Vol. 4

Paper ID: 83-61.7

Is There Climatic Evidence Now for Carbon Dioxide Effects?

Author(s): MC MacCracken Annual Conference: 1983, Vol. 4

Paper ID: 83-62.3

Research on the Response of Vegetation to Elevated Atmospheric Carbon Dioxide

Author(s): RC Dahlman, BR Strain, HH Rogers

Annual Conference: 1983, Vol. 4

Paper ID: 83-62.4

Noise Assessment of a Coal Train Rail Line in a Freeway Median A Case Study

Author(s): TS Adams

Annual Conference: 1983, Vol. 4

Paper ID: 83-63.5

Town-Village Aircraft Safety and Noise Abatement Committee

Author(s): JR Lewis

Annual Conference: 1983, Vol. 4

Paper ID: 83-63.6

Use of Indoor Air Quality Data for Making Risk Assessments

Author(s): BL Murphy

Annual Conference: 1983, Vol. 4

Paper ID: 83-64.1

Modeling Exposure of Nonsmokers to Ambient Tobacco Smoke

Author(s): JL Repace, AH Lowrey Annual Conference: 1983, Vol. 4

Paper ID: 83-64.2

Constituent Source Emission Rate Characterization of Three-Gas Fired Domestic Ranges

Author(s): JT Cole

Annual Conference: 1983, Vol. 4

Paper ID: 83-64.3

Indoor Components of 24-Hour Carbon Monoxide Exposures

Author(s): ML Nagda, MD Koontz, CL Young

Annual Conference: 1983, Vol. 4

Paper ID: 83-64.4

Characterization of Exposure Levels of No2 an Dso2 AND Their Health Effects in Residents of Vanier City (Ottawa), Ontario

Author(s): TR Khan, K Deczky, JC Meranger, G Sherman

Annual Conference: 1983, Vol. 4

Paper ID: 83-64.5

Indoor Air Quality Investigation of Chronic Health Problems in a Manhattan Office Space

Author(s): EJ Potenta, MF Saunders Annual Conference: 1983, Vol. 4

Paper ID: 83-64.6

A Model to Calculate the Indoor Concentration of a Chemical Contaminant

Author(s): A Birenzvige

Annual Conference: 1983, Vol. 4

Paper ID: 83-64.7

Comparison Studies of 24-Hour Diffusional Sampler Measurements and Peak Formaldehyde Levels in Urea-Formaldehyde Foam Insulated Houses

Author(s): T Godish, E Kolditz Annual Conference: 1983, Vol. 4

Paper ID: 83-64.8

Description of the OAQPS Risk Program and the Ongoing Lead NAAOS Risk Assessment Project

Author(s): T McCurdy, HM Richmond Annual Conference: 1983, Vol. 1

Paper ID: 83-7.1

EPRI'S Air Quality Risk Assessment Program

Author(s): RE Wyzga

Annual Conference: 1983, Vol. 1

Paper ID: 83-7.2

A Risk Assessment Model for the Study of Alternative National Ambient Carbon Monoxide Standards

Author(s): RL Keeney, RK Sarin, RL Winkler

Annual Conference: 1983, Vol. 1

Paper ID: 83-7.4

Ambient Measurements of Sulfate Species in the United States

Author(s): PJ Lioy

Annual Conference: 1983, Vol. 1

Paper ID: 83-8.3

Alternation of Lung Defense by Acid Sulfates

Author(s): RB Schlesinger Annual Conference: 1983, Vol. 1

Paper ID: 83-8.4

Airway Reactive to Sulfate and Sulfuric Acid Aerosols in Normal and Asthatic Subjects

Author(s): MJ Utell, PE Morrow, RW Hyde

Annual Conference: 1983, Vol. 1

Paper ID: 83-8.5

Airway Effects of Acid Sulfates in Conscious Sheep

Author(s): WM Abraham, CS Kim, GA Chapman, MM King

Annual Conference: 1983, Vol. 1

Paper ID: 83-8.6

Gas Stove Usage, CO and TSP and Respiratory Effects

Author(s): MD Lebowitz, CJ Holberg, MK O'Rourke, G

Corman, R Dodge

Annual Conference: 1983, Vol. 1

Paper ID: 83-9.1

Results of a Forty-Home indoor Air Pollutant Monitoring Study

Author(s): AR Hawthorne, RB Gammage, ACS Dudney, DR Womack, SA Morris, RR Westley, DA White KC Gupta

Annual Conference: 1983, Vol. 1

Paper ID: 83-9.10

Investigation of Indoor Residential Air Quality in Southern California Mobile Homes

Author(s): SD Colombe, w Turner, D Miller

Annual Conference: 1983, Vol. 1

Paper ID: 83-9.11

Personal Exposure to Volatile Organics and Other Compounds Indoors and Outdoors-The Team Study

Author(s): LA Wallace, E Pellizzari, TD Hartwell, CM

Sparacino, LS Shledon, H Zelon Annual Conference: 1983, Vol. 1

Paper ID: 83-9.12

Exposure Effect Relationship for NO2 with Personal Exposure and Urinary Hydroxyproline to Creatinine Ratio of Schoolchildren as Indictors

Author(s): Y Yanagisawa, H Matsuki, F Osaka, H Kasuga

Annual Conference: 1983, Vol. 1

Paper ID: 83-9.2

Village Cooks and Indoor Air Pollution The Dark Side of Small is Beautiful

Author(s): KR Smith

Annual Conference: 1983, Vol. 1

Paper ID: 83-9.4

Computing Transient Exposure to Indoor Pollutants

Author(s): PC Owczarski, GB Parker Annual Conference: 1983, Vol. 1

Paper ID: 83-9.5

Indoor Air Pollution Due to Emissions from Unvented Gas-Fired Space Heaters

Author(s): GW Traynor, JR Girman, JR Allen, MG Apte, JF

Dillworth, VM Martin

Annual Conference: 1983, Vol. 1

Paper ID: 83-9.6

Airborne Microbiological Particle Pollution in Subway Station

Author(s): S Yoshizawa, F Sugawara Annual Conference: 1983, Vol. 1

Paper ID: 83-9.7

Continuous Measurements of Radon Entry in a Single Family House

Author(s): DT Grimsrud, WW Nazaroff, KL Revzan, AV

Nero

Annual Conference: 1983, Vol. 1

Paper ID: 83-9.8

The Hamilton Study: Distribution of Factors Confounding the Relationship Between Air Quality and Respiratory Health

Author(s): LD Pengelly, AT Kerigan, CH Goldsmith, EE

Inman

Annual Conference: 1983, Vol. 1

Paper ID: 83-9.9

Development and Initiation of an Integrated Monitoring Program for Toxic Air Pollutants

Author(s): R Harkov, R Fischer Annual Conference: 1982, Vol. 1

Paper ID: 82-1.1

Variations in Summertime Atmospheric Concentrations of Particulate Organic Matter at One Rural and Three Urban Sites in New Jersey

Author(s): JM Daisey, M Morandi, PJ Lioy

Annual Conference: 1982, Vol. 1

Paper ID: 82-1.2

Concentrations of Polycyclic Aromatic Hydrocarbons at Four New Jersey Sites During an Extended Summer Sampling Campaign

Author(s): A Greenberg, FB Darack Annual Conference: 1982, Vol. 1

Paper ID: 82-1.3

Mutagenicity of Airborne Particles at Urban and Rural Sites in New Jersey

Author(s): GJ McGarrity, TB Atherholt, J Lousi, L McGeorge

Annual Conference: 1982, Vol. 1

Paper ID: 82-1.4

Concentrations of Selected Organic Vapors in Ambient Air at Three Jersey Sites

Author(s): JW Bozzelli, BB Kebbekus Annual Conference: 1982, Vol. 1

Paper ID: 82-1.5

Characterization of Interrelationships Between Particulate Organic Matter, Volatile Organic Compounds and Trace Elements

Author(s): PJ Lioy, JM Daisey, NM Reiss, R Harkov

Annual Conference: 1982, Vol. 1

Paper ID: 82-1.6

On the Uncertainties of Regional Air Quality Models

Author(s): A Roffman, MW Chandler, RL Kerch

Annual Conference: 1982, Vol. 1

Paper ID: 82-10.2

ENAMAP-1 Long Term Air Pollution Model: Refinement of Transformation and Deposition Mechanisms

Author(s): RM Endlich, CM Bhumralkar, R Brodzinsky, KC

Nitz, BK Cantrell, PM Mayerhofer, TL Clark

Annual Conference: 1982, Vol. 1

Paper ID: 82-10.3

The Long-Range Transport of Air Pollution-European Research Over the Past Decade

Author(s): RA Barnes

Annual Conference: 1982, Vol. 1

Paper ID: 82-10.4

Trends in SO2 Emissions and Associated Released Height for Ohio River Valley Power Plants

Author(s): WM Koerber

Annual Conference: 1982, Vol. 1

Paper ID: 82-10.5

Sources of Aerosol Sulfate and Trace Elements at Whiteface Mountain, New York

Author(s): L Husain, PP Parekh, JA Halstead, VA Dutkiewicz

Annual Conference: 1982, Vol. 1

Paper ID: 82-10.6

A Critical Review of Long Range Transport/Acid **Precipitation Models**

Author(s): AC Dittenhoefer Annual Conference: 1982, Vol. 1

Paper ID: 82-10.8

The Relationships Between the Chemical Composition of Fine Particles and Visibility in the Detroit Metropolitan Area

Author(s): GT Wolff, MA Ferman, NA Kelly, DP Stroup, MS

Ruthkosky

Annual Conference: 1982, Vol. 1

Paper ID: 82-11M.2

Regional Air Quality in the Four Corners Study Region

Author(s): DH Nochumson Annual Conference: 1982, Vol. 1

Paper ID: 82-11M.3

A Long-Range Visibility Monitoring Program Utilizing -A Human Observer Technique

Author(s): WG Biggs, DE Cover Annual Conference: 1982, Vol. 1

Paper ID: 82-11M.4

Economic Measurement of Impacts from Visibility Impairment: Where is the State of the Art?

Author(s): RD Rowe, LG Chestnut Annual Conference: 1982, Vol. 1

Paper ID: 82-12M.2

Visibility Legislation A Need for Clarification

Author(s): TL Thoem

Annual Conference: 1982, Vol. 1

Paper ID: 82-12M.3

Cost-Benefit Analysis of Visibility in Two National Parks

Author(s): RE Wyzga, D Rae Annual Conference: 1982, Vol. 1

Paper ID: 82-12M.5

Energy Conservation from Regenerative Incineration

Author(s): RL Pennington Annual Conference: 1982, Vol. 1

Paper ID: 82-13.1

Twin Cities District Heating/Cogeneration: An Assessment of Air Quality Impacts

Author(s): HW McLain, DN Secora Annual Conference: 1982, Vol. 1

Paper ID: 82-13.3

Banking, Bubbling and Offsets or How to Get a Permit in a Nonattainment Area

Author(s): M Feldstein, P Hess Annual Conference: 1982, Vol. 1

Paper ID: 82-13.4

Cogeneration and Emission Offsets in Nonattainment Areas

Author(s): DB Garvey, PJ Grogan, WE Vivian

Annual Conference: 1982, Vol. 1

Paper ID: 82-13.6

Overview of Current Trends in Ambient Nitrogen Dioxide

Author(s): M Claggett, TL Miller Annual Conference: 1982, Vol. 1

Paper ID: 82-14.1

Demonstrating Reasonable Further Progress by Evaluating Trends in Ambient Ozone Concentrations

Author(s): RE DeMandel Annual Conference: 1982, Vol. 1

Paper ID: 82-14.3

Atmospheric Deposition in the Tennessee Valley: 1979-1980

Author(s): WJ Parkhurst, RV Carter, FP Weatherford

Annual Conference: 1982, Vol. 1

Paper ID: 82-14.4

An Objective Technique for Classifying Ambient Air Quality Parameters: Developed Using 03 and NO2 Episodes in the Los Angeles Basin

Author(s): RJ Farber, LC Murray, IT Straughan

Annual Conference: 1982, Vol. 1

Paper ID: 82-14.5

Elevated Ozone Levels in the Great Smoky Mountains During the Summer of 1980

Author(s): RJ Valente, re Clark Annual Conference: 1982, Vol. 1

Paper ID: 82-14.9

Time for a Change in Energy Conversion Processes

Author(s): AM Leas

Annual Conference: 1982, Vol. 1

Paper ID: 82-15.2

Some Air Quality Impacts of the Proposed Western Kentucky Coal-Based Synfuel Industry

Author(s): RC Tussey, GH Revlett, HG Enoch

Annual Conference: 1982, Vol. 1

Paper ID: 82-15.3

Emission Factors for Wind Erosion of Exposed Aggregates At Surface Coal Mines

Author(s): C Cowherd

Annual Conference: 1982, Vol. 1

Paper ID: 82-15.5

Enforcement Policies Relating to Industrial Coal-Fired Boilers

Author(s): EF Stresino

Annual Conference: 1982, Vol. 1

Paper ID: 82-15.7

The U.S. National Acid Precipitation Assessment Program

Author(s): C Bernabo

Annual Conference: 1982, Vol. 2

Paper ID: 82-16.1

Impact of Alternative Approaches to Implement the Mitchell Bill on the Electric Utility and Coal Industries

Author(s): JM Speyer

Annual Conference: 1982, Vol. 2

Paper ID: 82-16.2

Field Studies of Indoor Air Pollutants/Poster Session

Author(s): BP Leaderer

Annual Conference: 1982, Vol. 2

Paper ID: 82-17P

Magnesium Oxide Scrubbing of Molybdenum Roaster off Gas-Pilot Scale Test Results

Author(s): JM Burke

Annual Conference: 1982, Vol. 2

Paper ID: 82-18.2

Practical Applications of Solvent Emission Control Using Activated Carbon

Author(s): DW Oakes

Annual Conference: 1982, Vol. 2

Paper ID: 82-18.6

Potential of Vegetable Oils as a Domestic Heating Fuel

Author(s): ACS Hayden, CE Palmer, E Begin

Annual Conference: 1982, Vol. 2

Paper ID: 82-19.1

Measurement of Mass Particulate Emissions from Residential Oil-Fired System

Author(s): JE Sheets, MF Zygowicz Annual Conference: 1982, Vol. 2

Paper ID: 82-19.2

Comparison of Air Pollutant Emissions from Vaporizing and Air Atomizing Waste Oil Heaters

Author(s): RE Hall, WM Cooke, RL Barbour

Annual Conference: 1982, Vol. 2

Paper ID: 82-19.3

Emissions and Performance of a Low-NO x Residential Hot Water Condensing Heating System Burning Distillate Oil

Author(s): C Castaldini, LR Waterland, HB Mason

Annual Conference: 1982, Vol. 2

Paper ID: 82-19.4

A Case for Reevaluating Procedures Used to Estimate Residential Natural Gas Consumption

Author(s): JL Meling

Annual Conference: 1982, Vol. 2

Paper ID: 82-19.5

Application of the Airshed Model for Ozone Control in St.

Author(s): HS Cole, CF Newberry, W Cox, GK Moss, D

Layland

Annual Conference: 1982, Vol. 2

Paper ID: 82-20.1

Performance Evaluation of Three Chemical Models Used With the Empirical Kinetic Modeling Approach (EKMA)

Author(s): C Maxwell, JR Martinez Annual Conference: 1982, Vol. 2

Paper ID: 82-20.2

Meteorology of the Los Angeles Basin During Periods of Elevated NO2 Levels and Impacts of Coastal Power Plants

Author(s): SL Marsh, LD Bregman, GH Taylor

Annual Conference: 1982, Vol. 2

Paper ID: 82-20.3

Analysis of Organic Compound Data Gathered During 1982 in Northeast Corridor Cities

Author(s): HG Richter

Annual Conference: 1982, Vol. 2

Paper ID: 82-20.4

An Uncertainty Analysis of EKMA-Derived Control Requirements for Ozone Abatement in the South Coast Air Basin

Author(s): SR Hayes, H Hogo Annual Conference: 1982, Vol. 2

Paper ID: 82-20.5

The Application of EKMA to the Houston Area

Author(s): HM Walker

Annual Conference: 1982, Vol. 2

Paper ID: 82-20.8

Target Transformation Factor Analysis of Wind-Trajectory Selected Samples

Author(s): SN Chang, PK Hopke, SW Rheingrover, GE

Gordon

Annual Conference: 1982, Vol. 2

Paper ID: 82-21.1

Source Contributions to Inhalable Particulate Matter in Major U.S. Cities

Author(s): JC Chow, JG Watson, JJ Shah, R Scott

Annual Conference: 1982, Vol. 2

Paper ID: 82-21.3

The Role of Computer Controlled Scanning Electron Microscopy in Receptor Modeling

Author(s): GS Casucio, PB Janocko, RJ Lee, JF Kelly

Annual Conference: 1982, Vol. 2

Paper ID: 82-21.4

Source Contributions to Inhalable Particulate Matter in Metropolitan Boston, Massachusetts

Author(s): GD Thurston, JD Spengler Annual Conference: 1982, Vol. 2

Paper ID: 82-21.5

Elemental Tracers for Source Contributions to Indoor Respirable Particles

Author(s): SM McCarthy, JD Spengler, SD Colome

Annual Conference: 1982, Vol. 2

Paper ID: 82-21.6

Some Environmental Effects of Ash Pond Systems

Author(s): RK Guthrie, EM Davis, DS Cherry, RS Harvey

Annual Conference: 1982, Vol. 2

Paper ID: 82-22.1

Implications of the Clean Air Act and Other Air Quality Regulations on Geothermal Development

Author(s): CC Gilmore, DB Hunsaker Annual Conference: 1982, Vol. 2

Paper ID: 82-22.3

Engineering and Air Quality Analysis for the Tennessee Synfuels Associates Coal to Gasoline Facility

Author(s): DP Malik, MG Morris, JP Fillo, RM Iwanchuk, RJ

Jonardi

Annual Conference: 1982, Vol. 2

Paper ID: 82-22.4

Air Quality Considerations in Locating High Rose Residential Buildings Adjacent to a Power Plant

Author(s): AR Borowsky

Annual Conference: 1982, Vol. 2

Paper ID: 82-22.7

Application and Development of the Four Corner Air Dispersion Model

Author(s): MD Williams, CA Mangeng, S Barr, R Lewis

Annual Conference: 1982, Vol. 2

Paper ID: 82-22.8

A Jump Test for Validating Hourly Average Air Quality Data

Author(s): TR Johnson

Annual Conference: 1982, Vol. 2

Paper ID: 82-23.1

Quality Control for Ambient Level Hydrocarbon Sampling and Analysis

Author(s): RD Cox, WD Balfour, GJ Langley

Annual Conference: 1982, Vol. 2

Paper ID: 82-23.2

Data Analysis Consequences of Air Quality Measurement Uncertainty

Author(s): TC Curran, BJ Steigerwald Annual Conference: 1982, Vol. 2

Paper ID: 82-23.3

External Quality Assurance in Visibility Monitoring

Author(s): CE McDade, SL Davis, WF Barnard, ML

Pirchford, JL Littlejohn

Annual Conference: 1982, Vol. 2

Paper ID: 82-23.4

Design of Quality Assurance Program for Precipitation Measurement Systems

 $\hbox{Author(s): LE Topol, ML On, JC Puzak}$

Annual Conference: 1982, Vol. 2

Paper ID: 82-23.6

EPA's National Performance Audit Program for Ambient Air Pollution Measurements

Author(s): RC Rhodes, BI Bennett, JC Puzak

Annual Conference: 1982, Vol. 2

Paper ID: 82-23.7

Statistical Aspects of a 24 Hour National Ambient Air Quality Standard for Particulate Matter

Author(s): NH Frank, TC Curran Annual Conference: 1982, Vol. 2

Paper ID: 82-23.8

The Effectiveness of Dichotomous Sampler Quality Assurance Procedures

Author(s): SLK Briggs, GD Thurston, TS Dumyahn, JS

Evans, JD Spengler, WA Turner Annual Conference: 1982, Vol. 2

Paper ID: 82-23.9

Recent EPA Urban and Regional Scale Oxidant Field-Program in the Northeastern U.S.

Author(s): NC Possiel, JF Clarke, TL Clark, JKS Ching, EL

Martinez

Annual Conference: 1982, Vol. 2

Paper ID: 82-24.1

Ozone and NOx Plumes from Cities in the Northeast Corridor

Author(s): CW Spicer, PR Sticksel, GM Sverdrup, AJ

Alkezweeny, WE Davis Annual Conference: 1982, Vol. 2

Paper ID: 82-24.2

Boundary Layer Transport of NOx and O3 from Baltimore, Maryland-A Case Study

Author(s): TL Clark, JF Clarke, NC Possiel

Annual Conference: 1982, Vol. 2

Paper ID: 82-24.3

The Atmospheric Oxidation of Flue Gases from a Coal-Fired Power Plant: A Comparison Between Smog Chamber and Airborne Plume Sampling

Author(s): M Luria, KJ Olszyna, JF Meagher

Annual Conference: 1982, Vol. 2

Paper ID: 82-24.4

Chemistry of Invisible Power Plant Plumes in Southern California The Airborne Perspective

Author(s): AA Huang, RJ Farber, RL Mahoney, DJ Eatough,

LD Hansen, DW Allard

Annual Conference: 1982, Vol. 2

Paper ID: 82-24.5

Nitrogen and Sulfur Chemistry and Aerosol Formation in Plumes

Author(s): LW Richars, JA Anderson, DL Bluementhal, JA

McDonald

Annual Conference: 1982, Vol. 2

Paper ID: 82-24.6

EPA's Pilot Plant Evaluations of NOx and NOx/SOx Flue Gas Treatment Technology

Author(s): JD Mobiley, JM Burke Annual Conference: 1982, Vol. 2

Paper ID: 82-27.1

Application of the Thiosorbic Process: The Most Widely Used Reagent for High Sulfur Coal

Author(s): DS Henzel, DH Stowe Annual Conference: 1982, Vol. 2

Paper ID: 82-27.2

Application of the ELECTROSCRUBBER Filter to Wood Waste and Multifuel Fired Boilers

Author(s): D Parquet

Annual Conference: 1982, Vol. 2

Paper ID: 82-27.3

Application of Electron Beam Technology to Particulate Matter Control

Author(s): WC Finney, JS Clements, OZ Tokunaga, RH Davis

Annual Conference: 1982, Vol. 2

Paper ID: 82-27.4

Condensation Organic Vapor Control Methods

Author(s): HM Shukla, JW Lent, CR Newman

Annual Conference: 1982, Vol. 2

Paper ID: 82-27.5

The Midland-Ross PDC NOx Removal System

Author(s): DS Horne, PE Fredette Annual Conference: 1982, Vol. 2

Paper ID: 82-27.7

Simultaneous Fly Ash and Sulfur Dioxide Collection in a Hydro Sonic Systems Scrubber

Author(s): YK Choung, JW Crowder, BL Proctor, DA

Mitchell

Annual Conference: 1982, Vol. 2

Paper ID: 82-27.8

Odor Character Profiling and Hedonic Tones of Odors and Odor Descriptors

Author(s): A Dravnieks, T Masurat, RA Lamm

Annual Conference: 1982, Vol. 2

Paper ID: 82-28.3

Odor Annoyance: Liability and Stability

Author(s): WS Cain

Annual Conference: 1982, Vol. 2

Paper ID: 82-28.4

The Role of Air Quality Models in Regulatory Decision-Making

Author(s): CJ Hopper, JA Tikvart, CS Burton

Annual Conference: 1982, Vol. 2

Paper ID: 82-29.1

Site-Specific Concentration Estimates for Stable Plume Impact on Elevated Terrain

Author(s): RL Petersen, EE Twombly Annual Conference: 1982, Vol. 2

Paper ID: 82-29.2

Implications of the Stochastic Approach to Air Quality Regulations

Author(s): AJ Witten, FC Kornegay, DB Hunsaker, EC Long

Annual Conference: 1982, Vol. 2

Paper ID: 82-29.3

Data Requirements for a Lakeshore Nuclear Power Plant Dispersion Model

Author(s): A Kumar, JS Wasilk Annual Conference: 1982, Vol. 2

Paper ID: 82-29.4

Pitfalls Involved in the Use of Climatological Dispersion Modeling on a Regional Scale

Author(s): GR Brown

Annual Conference: 1982, Vol. 2

Paper ID: 82-29.5

A Method for Predicting Plum Rise in Stable Atmospheres with Complex Vertical Structure

Author(s): JW Clendening, JA Businger, RJ Farber

Annual Conference: 1982, Vol. 2

Paper ID: 82-29.9

Particulate Dispersion Model Evaluation: A New Approach Using Receptor Models

Author(s): JE Core, WM Cox Annual Conference: 1982, Vol. 1

Paper ID: 82-3.1

Estimation of Vertical and Horizontal Dispersion Coefficients Using Lidar Plume Measurement Data

Author(s): MJ Logan, BG Prager Annual Conference: 1982, Vol. 1

Paper ID: 82-3.2

Influence of Dispersion Model Precision and Accuracy on Calculated Exceedances and Violation Probabilities of Ambient Air Quality Standards

Author(s): CS Burton, JP Nordin, BJ Steigerwald

Annual Conference: 1982, Vol. 1

Paper ID: 82-3.3

Comparison of the Los Alamos Visibility Model's Predictions with Measurements

Author(s): MD Williams, DH Nochumson

Annual Conference: 1982, Vol. 1

Paper ID: 82-3.5

Vertical Variation of 5-Minute and 60-Minute Standard Deviation of the Wind Direction

Author(s): MV Carney

Annual Conference: 1982, Vol. 1

Paper ID: 82-3.7

Comparison of Net Radiation and Turner's Objective Method of Stability Classification for Grand Junction, Colorado

Author(s): KM Zishka, MV Carney Annual Conference: 1982, Vol. 1

Paper ID: 82-3.8

Formaldehyde in Indoor Air: Toxicity and Risk

Author(s): AG Ulsamer, KC Gupta, MS Cohn, PW Preuss

Annual Conference: 1982, Vol. 2

Paper ID: 82-30.4

Review of General Health Effects of Formaldehyde

Author(s): JJ Clary

Annual Conference: 1982, Vol. 2

Paper ID: 82-30.5

Development of Continuous Ambient Monitoring Instrumentation for Texas

Author(s): DW Jones, OF Ross Annual Conference: 1982, Vol. 2

Paper ID: 82-31.1

Determination of Nonmethane Organic Carbon (NMOC) in Ambient Air by Cryogenic Preconcentration and Flame Ionization Detection

Author(s): RKM Jayanty, FF McElroy, JA McBride, WA

McClenny

Annual Conference: 1982, Vol. 2

Paper ID: 82-31.2

Spectral Analysis of Ambient Aerosol and Trace Gas Measurements

Author(s): RJ Tropp, JR Brock, PJ Kuhn

Annual Conference: 1982, Vol. 2

Paper ID: 82-31.3

Evidence of an Additive Effect for Small City Plumes

Author(s): K Sexton, JD Spengler, RD Treitman, WA Turner

Annual Conference: 1982, Vol. 2

Paper ID: 82-31.4

Continuous and Unattended Monitoring of Hydrocarbons in Ambient Air

Author(s): WL Crow, RC Hall, HG Cox, LD Ogle, JP Gise

Annual Conference: 1982, Vol. 2

Paper ID: 82-31.5

The Houston 1981 Summer Ozone Study

Author(s): BW Lambeth, LH Fowler, WL Crow, BJ Rogers

Annual Conference: 1982, Vol. 2

Paper ID: 82-31.6

Joint Vandenberg Air Force Base/Santa Barbara County Program to Establish Three SLAMS in Support of the Development of the Space Shuttle and MX Projects

Author(s): SG Forbes, DB Vener, WA Hayes, JB English

Annual Conference: 1982, Vol. 2

Paper ID: 82-31.7

Penetration Characteristics of Pulse Jet Cleaned Fabric Filters

Author(s): D Leith, JM Ellenbecker

Annual Conference: 1982, Vol. 2

Paper ID: 82-32.1

Evaluation of Novel Electrostatic Precipitator Technology

Author(s): MD Durham, GA Rinard, DE Rugg

Annual Conference: 1982, Vol. 2

Paper ID: 82-32.4

A Laboratory Comparison of the Filtration Performance of Eleven Different Fabric Filter Materials Filtering Resuspended Fly Ash

Author(s): WT Davis, WF Frazier Annual Conference: 1982, Vol. 2

Paper ID: 82-32.5

Inhalable Particle Control Efficiency of Charged Fog

Author(s): CV Mathai, BM Muller, KJ Kelly, MR Wear

Annual Conference: 1982, Vol. 2

Paper ID: 82-32.6

Generation of Lead Aerosols in Argon, Nitrogen or Carbon Dioxide

Author(s): Y Ueno, I Sano, Y Hobo, T Tokida, Akojima, Y

Fujitani

Annual Conference: 1982, Vol. 3

Paper ID: 82-33.1

Photochemical Transformation of Flue Gas From a Coal-Fired Power Plant: A Smog Chamber Study

Author(s): KJ Olszyna, JF Meagher, M Luria

Annual Conference: 1982, Vol. 3

Paper ID: 82-33.2

Atmospheric Organic Aerosols: Homogeneous and Heterogeneous Chemical Formation Pathways

Author(s): D Grosjean, R Lewis, Kfung, R Swanson, R

Countess

Annual Conference: 1982, Vol. 3

Paper ID: 82-33.3

The Contamination of Fluorocarbon Film Bags by Hydrocarbons, Nitrogen Oxides and Carbon Monoxide

Author(s): NA Kelly

Annual Conference: 1982, Vol. 3

Paper ID: 82-33.4

Modeling of Secondary Ozone Formation in Photochemical Smog Systems

Author(s): RS Wright, DL Fox, HE Jeffries

Annual Conference: 1982, Vol. 3

Paper ID: 82-33.5

Implementing Section 126: Controlling Interstate Pollution

Author(s): DH Stonefield, BV Polkowsky, WF Hamilton

Annual Conference: 1982, Vol. 3

Paper ID: 82-34.1

Section 162, A Vehicle for Non-Decision

Author(s): MT DeBusschere, HP Berlejung

Annual Conference: 1982, Vol. 3

Paper ID: 82-34.4

Bio-Medical Effects/Poster Session

Author(s): SD Lee

Annual Conference: 1982, Vol. 3

Paper ID: 82-35P

How FRC Corporation Applied for Air Permits for a New Painting Facility in Orlando, Florida

Author(s): RM Joseph, J Howell Annual Conference: 1982, Vol. 3

Paper ID: 82-36.1

Permitting a Wood-Burning Boiler in a Major Metropolitan

Author(s): KL Foster, RC Sherr, RE Dickson

Annual Conference: 1982, Vol. 3

Paper ID: 82-36.2

Obtaining VOC Offsets to Satisfy PSD Permit Requirements for a Wood Waste Boiler

Author(s): RA Schmall

Annual Conference: 1982, Vol. 3

Paper ID: 82-36.3

Redesignating a CO and 03 Nonattainment Area-A Case Study-Part 1: Procedural Considerations, Part 2: Technical Aspects

Author(s): R Gow, AWR Goodin, MW Chandler, JL Gordon

Annual Conference: 1982, Vol. 3

Paper ID: 82-36.6

Simplified Permit Management Techniques for Multifaceted Industrial Areas

Author(s): CH Brevick, MW Stromberg, CS Allred

Annual Conference: 1982, Vol. 3

Paper ID: 82-36.7

Sinter Plant Gas Cleaning at the Algoma Steel Corporation Limited Sault Ste. Marie, Ontario 1982

Author(s): AD Stewart

Annual Conference: 1982, Vol. 3

Paper ID: 82-38.1

United State Steel's Lakefront Steel Mill Study An Innovative Approach to Environmental Impact Assessment

Author(s): JA Jernigan

Annual Conference: 1982, Vol. 3

Paper ID: 82-38.3

Characterization of Particulate Matter in East Chicago, Indiana

Author(s): RR Landreth

Annual Conference: 1982, Vol. 3

Paper ID: 82-38.4

Blast Furnace Casthouse Emissions Control Without Evaluation

Author(s): S Vajda

Annual Conference: 1982, Vol. 3

Paper ID: 82-38.7

The Low Emission Firing Practice at U.S. Steel-Geneva Works

Author(s): DM Ball

Annual Conference: 1982, Vol. 3

Paper ID: 82-38.8

EPA'S Inhalable Particulate Monitoring Activities in Support of a Possible Size-Specific Ambient Standard

Author(s): CE Rodes, JC Suggs Annual Conference: 1982, Vol. 3

Paper ID: 82-39.1

Aerosol Measurements: Western Regional Air Quality Studies

Author(s): DW Allard, IH Tombach, H Mayrsohn, CV Mathai

Annual Conference: 1982, Vol. 3

Paper ID: 82-39.2

Cost Effective Measurement of Elemental Concentrations in Aerosol in Texas by X-Ray Fluorescence Analysis

Author(s): JH Price, VC Anselmo, SL Dattner, JM Jenks, S

Mgebroff

Annual Conference: 1982, Vol. 3

Paper ID: 82-39.5

The Determination of Particle Size Using Multiwavelength Attenuation Measurements

Author(s): HB McElhoe, B Dellinger, WD Conner

Annual Conference: 1982, Vol. 3

Paper ID: 82-39.6

Mass and Elemental Composition of Fine and Coarse Particles in Six U.S. Cities

Author(s): JD Spengler, GD Thuston, WA Turner, R Letz

Annual Conference: 1982, Vol. 3

Paper ID: 82-39.7

Analytical Techniques for the Characterization of Broad Spectrum Fuels and Their Exhaust Emissions: A General Approach

Author(s): MC William, RH Groth Annual Conference: 1982, Vol. 1

Paper ID: 82-4.1

Microcomputer Graphics in Atmospheric Dispersion Modeling

Author(s): H Segal

Annual Conference: 1982, Vol. 1

Paper ID: 82-4.2

Sonic Agglomeration of Particulate Emissions from Turbine Engine Test Cells

Author(s): je Stevens, JO Ledbetter Annual Conference: 1982, Vol. 1

Paper ID: 82-4.3

Analyses of Compressor Bleed Air

Author(s): MC Williams, NT Campbell, RH Groth

Annual Conference: 1982, Vol. 1

Paper ID: 82-4.4

The Regulation of Tanker Emissions 1982 Update

Author(s): J Civins, C Mathews, LA Miller

Annual Conference: 1982, Vol. 1

Paper ID: 82-4.6

A Performance and Economic Evaluation of Stack Gas Reheat

Author(s): GM Graves, DB Hammontree

Annual Conference: 1982, Vol. 3

Paper ID: 82-40.2

Start-Up and Performance of a High Sulfur Dry Scrubber System

Author(s): PS Farber

Annual Conference: 1982, Vol. 3

Paper ID: 82-40.5

Particulate Collection for Dry Scrubber Systems-Pilot Study Results and Commercial Application

Author(s): JM Wilkinson, DP Tonn Annual Conference: 1982, Vol. 3

Paper ID: 82-40.7

Rates and Mechanisms of Secondary Ambient Aerosol Formation

Author(s): PH McMurry, JC Wilson Annual Conference: 1982, Vol. 3

Paper ID: 82-41.1

Distribution of Nitrogenous Pollutants During Photochemical Smog Episodes

Author(s): D Grosjean

Annual Conference: 1982, Vol. 3

Paper ID: 82-41.4

Investigation of the Heterogeneous Component of Sulfate Formation in the Los Angeles Basin

Author(s): LB Baboolal, RJ Farber Annual Conference: 1982, Vol. 3

Paper ID: 82-41.6

Benefit/Cost Analysis and Regulation Under the Clean Air

Author(s): AG Fraas

Annual Conference: 1982, Vol. 3

Paper ID: 82-42.1

Cost-Benefit Analysis of Air Quality Regulations

Author(s): LJ Perl

Annual Conference: 1982, Vol. 3

Paper ID: 82-42.5

Met. V.-Meteorology and Air Quality

Author(s): P Harrison

Annual Conference: 1982, Vol. 3

Paper ID: 82-43P

Economic Incentive Approaches to Air Pollution Control in the Chemical Industry

Author(s): CR Newman, T Desai, A Limpiti, RD Coleman

Annual Conference: 1982, Vol. 3

Paper ID: 82-44.1

Flare Cost Technique

Author(s): AI Sarasua, CR Newman Annual Conference: 1982, Vol. 3

Paper ID: 82-44.2

Assessment of the Feasibility and Costs of Controlling VOC Emissions from Stationary Sources in Harris County, Texas

Author(s): B Fowler, PJ Murin Annual Conference: 1982, Vol. 3

Paper ID: 82-44.3

Cost Effectiveness of Refinery Pump Seal Maintenance

Author(s): RL Staha, R Honerkamp Annual Conference: 1982, Vol. 3

Paper ID: 82-44.6

The Effect of Sampling Inlets on the 1P and TSP Concentration Ratios

Author(s): JG Watson, JC Chow, JJ Shah, RC Countess

Annual Conference: 1982, Vol. 3

Paper ID: 82-45.1

Estimating PM10 Concentrations from 1P and TSP Data

Author(s): TG Pace

Annual Conference: 1982, Vol. 3

Paper ID: 82-45.2

Total, Inhalable and Respirable Aerosol Mass

Author(s): RH Knuth, EO Knutson Annual Conference: 1982, Vol. 3

Paper ID: 82-45.3

Ambient Aerosol Mass Distribution of 1 to 100 Particles in Five Cities

Author(s): DA Lundgren, BJ Hausknecht

Annual Conference: 1982, Vol. 3

Paper ID: 82-45.4

Analysis of Inhalable Particulate Matter Concentrations Observed Near Major Stationary Sources

Author(s): KE Pickering, JM Vilardo Annual Conference: 1982, Vol. 3

Paper ID: 82-45.5

Overview of AISI Inhalable Particulate Monitoring Study

Author(s): WR Mura, RR Landreth Annual Conference: 1982, Vol. 3

Paper ID: 82-45.6

Atmospheric Aerosols of the Southwestern United States

Author(s): PS Bhardwaja, GL Powell, DW Moon

Annual Conference: 1982, Vol. 3

Paper ID: 82-45.7

Potential Hazardous Emissions from Waste Disposal

Author(s): AJ Angiola, PA Eisen Annual Conference: 1982, Vol. 3

Paper ID: 82-46.1

A Simplified Method for Estimation of Hazardous Emissions from Waste Lagoons

Author(s): TT Shen

Annual Conference: 1982, Vol. 3

Paper ID: 82-46.2

A Methodology for Monitoring Air Pollutants on Industrial Landfill Sites

Author(s): NH Hijazi, R Chai, S Nacson

Annual Conference: 1982, Vol. 3

Paper ID: 82-46.3

Development and Implementation of an Air Monitoring Program at an Inactive Hazardous Waste Disposal Site-A Case Study

Author(s): ER Lynch, RK Goldman, WV Blasland

Annual Conference: 1982, Vol. 3

Paper ID: 82-46.4

Removal of Lead Oxide Dust from Air

Author(s): MO Abdullah, AH Sylaymon, SH Sameth

Annual Conference: 1982, Vol. 3

Paper ID: 82-46.5

An Emission Inventory of Significant Atmospheric Releases of Carcinogens in the State of California

Author(s): RA Ziskind, MB Rogozen, SE Salot, RJ Gordon,

JA Pantalone

Annual Conference: 1982, Vol. 3

Paper ID: 82-46.7

Development of an Air Quality Model for Mining Fugitive Dust

Author(s): KD Winges

Annual Conference: 1982, Vol. 3

Paper ID: 82-47.1

The Atlantic Richfield Company Black Thunder Mine Haul Road Dust Study

Author(s): DR Maxwell, JA Ives, TR Hormel

Annual Conference: 1982, Vol. 3

Paper ID: 82-47.2

Gravitational Settling and Dispersion Modeling of Fugitive Dust Sources

Author(s): DA Sullivan, BA Woodcock Annual Conference: 1982, Vol. 3

Paper ID: 82-47.3

The Butte, Montana Particulate Apportionment Analysis

Author(s): JG Moldovan, PA Doughty Annual Conference: 1982, Vol. 3

Paper ID: 82-47.4

Test Protocol for Evaluating Emissions form Active Coal Storage Piles

Author(s): D Carnes, P Catizone, T Kincaid, DB Harris

Annual Conference: 1982, Vol. 3

Paper ID: 82-47.5

Characterization of Radon Levels in Indoor Air

Author(s): AC George

Annual Conference: 1982, Vol. 3

Paper ID: 82-48.1

An Evaluation of Formaldehyde Emissions from Test Panels of Urea-Formaldehyde Foam Insulation

Author(s): AR Hawthorne, RB Gammage

Annual Conference: 1982, Vol. 3

Paper ID: 82-48.2

Detection and Recognition Threshold Values of Odorants Used in the Odorization of Natural Gas

Author(s): DJ Moschandreas, D Jones, J Martinus

Annual Conference: 1982, Vol. 3

Paper ID: 82-48.4

Human Exposures to Nitrogen Dioxide: Exposure Modeling and Risk Assessment

Author(s): K Sexton, R Letz, JD Spengler

Annual Conference: 1982, Vol. 3

Paper ID: 82-48.6

Control of Indoor Radon Decay Products by Air Treatment Devices

Author(s): WC Hinds, SN Rudnick, EF Maher, MW First

Annual Conference: 1982, Vol. 3

Paper ID: 82-48.7

Operating Experiences at Detroit Edison with Various Flue Gas Conditioning Systems

Author(s): HR Fletcher

Annual Conference: 1982, Vol. 3

Paper ID: 82-49.1

One Year's Operating Experience with SO3 Conditioning on a Large Coal-Fired Unit's Electrostatic Precipitator

Author(s): BJ Eskra, BG McKinney Annual Conference: 1982, Vol. 3

Paper ID: 82-49.3

Operating Results from Precipitators Retrofitted with Microprocessor Voltage Controls

Author(s): JA Finney, F Gallo, D Ketterer

Annual Conference: 1982, Vol. 3

Paper ID: 82-49.4

Resistivity Modification for High Sulfur Coal Fired Boilers by Flue Gas Conditioning: Implications for Particulate Emissions Reduction

Author(s): VM Albanese

Annual Conference: 1982, Vol. 3

Paper ID: 82-49.5

Troubleshooting an Industrial Size Electrostatic Precipitator

Author(s): D Carpenter, B Hickenbottom, G Biggers, C

Thompson, M Davenport Annual Conference: 1982, Vol. 3

Paper ID: 82-49.6

Waste Oil Combustion: An Environmental Case Study

Author(s): DA Waite, RC Jarvis, JG Davis, PJ Lavin, LD

Santoro

Annual Conference: 1982, Vol. 1

Paper ID: 82-5.1

Licensing Strategies for Municipal Solid Waste and Sewage Sludge Burners

Author(s): DF Elias, PW Fisher Annual Conference: 1982, Vol. 1

Paper ID: 82-5.2

Revised Model for the Prediction of the Time Temperature Requirements for Thermal Destruction of Dilute Organic Vapors and Its Usage for Predicting Compound Destructibility

Author(s): KC Lee, N Morgan, JL Hansen, GM Whipple

Annual Conference: 1982, Vol. 1

Paper ID: 82-5.3

Combustion of Halogenated Hazardous Wastes 11 Design and Economics of Heat and Acid Recovery Units

Author(s): JN Pattison, AN Prabhu Annual Conference: 1982, Vol. 1

Paper ID: 82-5.4

Setting Conservative Bounds on Products of Incomplete Combustion Emissions

Author(s): CD Wolbach

Annual Conference: 1982, Vol. 1

Paper ID: 82-5.6

Combustion of Halogenated Hazardous Wastes 1 Design and Operation of the Combustion Unit

Author(s): JN Pattison, JN Hirt, J Seiwert

Annual Conference: 1982, Vol. 1

Paper ID: 82-5.8

An Alternative Mobile Source Compliance Program

Author(s): SA Leonard, EK Werner Annual Conference: 1982, Vol. 3

Paper ID: 82-50.1

The Effect of CO Emissions on Ambient Air Quality

Author(s): JW Shiller, SA Pezda, JB Douglass

Annual Conference: 1982, Vol. 3

Paper ID: 82-50.2

Emission Factors for Future Cars

Author(s): SW Martens, GW Krier Annual Conference: 1982, Vol. 3

Paper ID: 82-50.3

Development, Application and Future of the EPA Mobile Source Emissions Model

Author(s): JS Wallace, MA Wolcott Annual Conference: 1982, Vol. 3

Paper ID: 82-50.4

State-of-the-Art Approach to Predicting Pollutant Concentrations in Urban Street Canvons

Author(s): EJ Potenta, VS Fahrer, RC Tai

Annual Conference: 1982, Vol. 3

Paper ID: 82-50.6

A Review of Existing Particulate Control Technology for Light Duty Diesel Engines

Author(s): JS Kinsey

Annual Conference: 1982, Vol. 3

Paper ID: 82-50.8

Survey of Oxides of Nitrogen in Some Urban and Rural Areas in India

Author(s): JM Dave, AM Khan Annual Conference: 1982, Vol. 3

Paper ID: 82-51.1

The Equatorial Rain Forest as a Natural Source of Atmospheric Nitrogen Compounds

Author(s): R Delmas, J Servant, M Delapart

Annual Conference: 1982, Vol. 3

Paper ID: 82-51.2

Ammonia and Other Soluble Gases Near Tucson, Arizona

Author(s): GA Dawson, JC Farmer Annual Conference: 1982, Vol. 3

Paper ID: 82-51.3

Methane Emission Variations from Freshwater Wetlands

Author(s): DL Sebacher, RC Harriss, KB Bartlett

Annual Conference: 1982, Vol. 3

Paper ID: 82-51.4

Compilation of a Biogenic Hydrocarbon Emissions Inventory for Evaluating Ozone Control Strategies in the San Francisco Bay Area

Author(s): DBHunsaker, RM Moreland Annual Conference: 1982, Vol. 3

Paper ID: 82-51.5

Assembling a Vegetative Hydrocarbon Emission Inventory for the California South Air Basin: Direct Measurement of Emission Rates Leaf Biomass and Vegetative Distribution

Author(s): AM Winer, MC Dodd, DR Fitz, PR Miller, ER Stephan, K Neisess, M Meyers, DE Brown, CW Johnson

Annual Conference: 1982, Vol. 3

Paper ID: 82-51.6

Real Time Instrument for Ambient Monitoring of Hydrogen Sulfide, Dimethyl, Sulfide and Other Reduced Organosulfur Species Using Ozone Chemiluminescent Detection

Author(s): TJ Kelly, MF Phillips, RL Tanner, JS Gaffney

Annual Conference: 1982, Vol. 3

Paper ID: 82-51.8

Laboratory Measurements of Carbonyl Sulfide and Total Sulfur Emissions from Open Burning of Forest Biomass

Author(s): DE Ward, CK McMahon, DF Adams

Annual Conference: 1982, Vol. 3

Paper ID: 82-51.9

Ecological Effects/Poster Session

Author(s): I Leone

Annual Conference: 1982, Vol. 4

Paper ID: 82-52P

Control of SO2 Emissions by the Adipic Acid Enhanced Limestone Flue Gas Desulfurization Process

Author(s): JD Mobley, OW Hargrove, JD Colley

Annual Conference: 1982, Vol. 4

Paper ID: 82-53.1

The Hitachi Zosen NOx Removal Process for Fossil Fueled Boilers

Author(s): R Weiner, S Tanaka Annual Conference: 1982, Vol. 4

Paper ID: 82-53.3

SO2 Control with Double Alkali Scrubbing Systems

Author(s): AH Berst

Annual Conference: 1982, Vol. 4

Paper ID: 82-53.4

The Influence of Sulphur in Coal on Electrostatic Precipitability

Author(s): KM Sullivan, TF Wall Annual Conference: 1982, Vol. 4

Paper ID: 82-53.6

Flow Modeling of Electrostatic Precipitators

Author(s): JC Gruber

Annual Conference: 1982, Vol. 4

Paper ID: 82-53.7

A Dry Method for Measuring Emissions from Aluminum Reduction Plants

Author(s): ME Eller, JE Gibb Annual Conference: 1982, Vol. 4

Paper ID: 82-54M.1

Determination of Atmospheric Fluoride Dispersion by Use of Passive Fluoride Palte Monitors

Author(s): BL Clark

Annual Conference: 1982, Vol. 4

Paper ID: 82-54M.2

Contamination of Soil and Vegetation by Nickel, Lead, Arsenic and Mercury Emitted by Different Industrial Sources in Ontario

Author(s): SN Linzon

Annual Conference: 1982, Vol. 4

Paper ID: 82-55M.1

Effects of Emissions from a Primary Lead Smelter in Missouri

Author(s): BG Wixson, NL Gale, WM Kearney

Annual Conference: 1982, Vol. 4

Paper ID: 82-55M.2

Processes of Atmospheric Deposition of Metals and Acids to Forests

Author(s): SE Lindberg, RR Turner, GM Lovett

Annual Conference: 1982, Vol. 4

Paper ID: 82-55M.3

Environmental, Health and Safety Assessment of a Prototype Fire Fighter Trainer

Author(s): AJ Zahner, M Halpern, JJ McCambridge

Annual Conference: 1982, Vol. 4

Paper ID: 82-56.1

Regulation of Noncriteria Pollutants: A Comprehensive Review

Author(s): DR Derenzo, J Singh Annual Conference: 1982, Vol. 4

Paper ID: 82-56.2

A Procedure for Determining the Validity of Data Produced by Automatic Continuous Area Monitors

Author(s): HD Toy, LN Cash Annual Conference: 1982, Vol. 4

Paper ID: 82-56.4

Missouri's State Implementation Plan for Lead: The Road to Partial Approval

Author(s): BW Reynolds Annual Conference: 1982, Vol. 4

Paper ID: 82-56.5

Predicting and Controlling Downwind Concentrations of PCB from Surface Inpoundments

Author(s): AJ Angiola, JM Soden Annual Conference: 1982, Vol. 4

Paper ID: 82-56.6

Measuring Rates of Volatile Emissions from Non-Point Source Hazardous Waste Facilities

Author(s): ST Hwang

Annual Conference: 1982, Vol. 4

Paper ID: 82-56.7

Application of Chemical Foam Dust Suppressants to Material Processing Operations

Author(s): AG Larson, RM Burch, KG Ori

Annual Conference: 1982, Vol. 4

Paper ID: 82-57.1

Evaluation of Emissions and Dust Deposition from Coal and Coke Handling at a West Coast Bulk Marine Terminal

Author(s): RJ Bryan, BM Buck Annual Conference: 1982, Vol. 4

Paper ID: 82-57.3

A Precipitation/Dust Receptor Model

Author(s): RG Steen, JG Moldovan Annual Conference: 1982, Vol. 4

Paper ID: 82-57.4

Operational Experiences of an Automated Opacity Monitor and Data Reporting System

Author(s): KE Dowell, RW Devlin, K MacFarlane

Annual Conference: 1982, Vol. 4

Paper ID: 82-58.1

An Analysis of the Equal Area Sampling Methodology

Author(s): PD Baumann, JW Crowder, EJ Fenyves

Annual Conference: 1982, Vol. 4

Paper ID: 82-58.4

A General Approach for the Development of an Information Management System for Emissions Sampling

Author(s): LW Titley

Annual Conference: 1982, Vol. 4

Paper ID: 82-58.5

Validation of EPA Reference Method 25-Determination of Total Gaseous Nonmethane Organic Emissions as Carbon

Author(s): GB Howe, SK Gangwal, RKM Jayanty, JE Knoll,

MR Midgett

Annual Conference: 1982, Vol. 4

Paper ID: 82-58.6

Optical Microscopy as an Enforcement Tool in Air Pollution Complaint Investigations

Author(s): VL Fair, CA McCauley Annual Conference: 1982, Vol. 4

Paper ID: 82-58.7

Simultaneous Fly Ash and Sulfur Dioxide Collection in a Hydro Sonic Systems Scrubber

Author(s): YK Choung, JW Crowder, BL Proctor, DA

Mitchell

Annual Conference: 1982, Vol. 4

Paper ID: 82-58.8

Measurements of Primary Sulfates with an Acid Condensation System

Author(s): JL Cheney, JT Chehaske Annual Conference: 1982, Vol. 4

Paper ID: 82-58.9

Results of a Baghouse Operation and Maintenance Survey on Industry and Utility Coal-Fired Boilers

Author(s): J Reynolds, S Kreidenweis, L Theodore

Annual Conference: 1982, Vol. 4

Paper ID: 82-59.2

Alternatives for Energy Conservation in a Baghouse

Author(s): PJ Bakker, FA Horney Annual Conference: 1982, Vol. 4

Paper ID: 82-59.3

Performance of a 10 MW Fabric Filter Pilot Plant and Comparison to Full-Scale Units

Author(s): WB Smith, KM Cushing, RC Carr

Annual Conference: 1982, Vol. 4

Paper ID: 82-59.6

A Model for Fabric Filter Cleaning Single Element and Multiple Compartment Effects

Author(s): P Farber, L Theodore, J Reynolds

Annual Conference: 1982, Vol. 4

Paper ID: 82-59.7

Uncertainties in Estimating Ecological Effects of Air Pollutants

Author(s): SV Krupa, PS Teng Annual Conference: 1982, Vol. 1

Paper ID: 82-6.1

Potential Hazardous of Setting Standards to Imply Cause

Author(s): GM Matanoski Annual Conference: 1982, Vol. 1

Paper ID: 82-6.2

Uncertainties in Estimating the Effects of Air Pollutants on Materials

Author(s): AR Stankunas, EF McCarthy, JE Yocom

Annual Conference: 1982, Vol. 1

Paper ID: 82-6.3

An Air Uncertainty

Author(s): JP Lodge

Annual Conference: 1982, Vol. 1

Paper ID: 82-6.5

The Development of a Low NOx Distributed Mixing Burner for Pulverized Coal-Fired Boilers

Author(s): AR Abele, JL Reese, BA Folsom

Annual Conference: 1982, Vol. 4

Paper ID: 82-60.1

A Low NOx Burner for Gas-Fired Firetube Boilers

Author(s): JP Kesselring, EB Merrick, WV Krill

Annual Conference: 1982, Vol. 4

Paper ID: 82-60.2

Formation and Control of NOx Emissions in Coal-Fired Spreader Stoker Systems

Author(s): JM Munro, DW Pershing, GB Martin, DC Drehmel

Annual Conference: 1982, Vol. -4

Paper ID: 82-60.3

An Assessment of Environmental Issues Associated with Gasification of Woody Biomass

Author(s): B Miller, MW Glass Annual Conference: 1982, Vol. 4

Paper ID: 82-60.4

The Development of Design Criteria for Low NOx Oil Burners Suitable for Application to TEOR Steamers

Author(s): GC England, MP Heap, R Payne, DW Pershing,

WS Lanier

Annual Conference: 1982, Vol. 4

Paper ID: 82-60.7

Inhalable Particulate Testing at Cement and Lime Plants

Author(s): FJ Bergman, HK Wilcox Annual Conference: 1982, Vol. 4

Paper ID: 82-61M.1

Dilution Sampling for Chemical Receptor Source Fingerprinting

Author(s): JE Houck, JA Cooper, ER Larson

Annual Conference: 1982, Vol. 4

Paper ID: 82-61M.2

IP Sampling for Condensable Emissions

Author(s): ad Williamson, JD McCain, SC Parsons

Annual Conference: 1982, Vol. 4

Paper ID: 82-61M.3

Spatial and Temporal Variation of Hydrocarbon Species Emissions in Houston, Texas

Author(s): AC Montz, MA Capalongan Annual Conference: 1982, Vol. 4

Paper ID: 82-62M.1

Development of an Organic Vapor Emission Inventory for Polyester Resin/Fiberglass Fabrication Processes in California

Author(s): MB Rogozen

Annual Conference: 1982, Vol. 4

Paper ID: 82-62M.2

The Texas Air Control Board's Point Source Emission Inventory Data Collection and Management

Author(s): c Snow, J Panketh Annual Conference: 1982, Vol. 4

Paper ID: 82-62M.3

Present and Future Uses of Sodars in Air Quality Studies by Industries and Government

Author(s): JE Gaynor

Annual Conference: 1982, Vol. 4

Paper ID: 82-63.2

Air Quality Applications of Meteorological Satellite Data

Author(s): WA Lyons, RH Calby Annual Conference: 1982, Vol. 4

Paper ID: 82-63.3

Application of Surface-Based and Airborne Lidar Systems for Environmental Monitoring

Author(s): EE Uthe

Annual Conference: 1982, Vol. 4

Paper ID: 82-63.5

Air Pollution Standards, Monitoring, Concentrations and Control in the Republic of China (Taiwan)

Author(s): JC Chow, JG Watson, CY Chaung

Annual Conference: 1982, Vol. 4

Paper ID: 82-64.6

Distribution of Selected Gaseous Organic Mutagens and Suspect Carcinogens in Ambient Air

Author(s): HB Singh, LJ Salas, RE Stiles

Annual Conference: 1982, Vol. 4

Paper ID: 82-65.1

Collection and Analysis of Selected Volatile Organic Compounds in Ambient Air

Author(s): BB Kebbekus, JW Bozzelli Annual Conference: 1982, Vol. 4

Paper ID: 82-65.2

Environmental Concentration of Lead in the Area of Secondary Lead Smelters and a Battery Manufacturing Plant in Dallas, Texas

Author(s): EC Crosby, VK Argento Annual Conference: 1982, Vol. 4

Paper ID: 82-65.4

Carbonaceous Aerosol at Urban and Rural Sites in the United States

Author(s): JJ Shah, RL Johnson, EK Heyerdahl, JJ Huntzicker

Annual Conference: 1982, Vol. 4

Paper ID: 82-65.5

Ambient Concentrations of Benzene in Harris County Texas

Author(s): LR Roberts

Annual Conference: 1982, Vol. 4

Paper ID: 82-65.6

Paper ID: 82-65.7

Chamber Studies of Formaldehyde Emissions from Wood Products, Urea-Formaldehyde Foam and Carpeting, Effect of Source Combination

Author(s): T Godish, B Kanyer Annual Conference: 1982, Vol. 4

Fugitive Dust Emissions: Their Sources and Their Control in Milwaukee's Menomonee River Valley (An Overview)

Author(s): RN Salcedo, HP Zanoni, EJ Laszewski, FR Rehm,

DF Theiler, RF Pierce

Annual Conference: 1982, Vol. 4

Paper ID: 82-66.1

Testing the Effectiveness of Selected Dust Abatement Strategies: A Field Experiment

Author(s): RN Salcedo, EJ Laszewski, HP Zanoni, FR Rehm,

GD Bevington

Annual Conference: 1982, Vol. 4

Paper ID: 82-66.2

Estimating Emission Factors for VOC Fugitive Emissions

Author(s): DA DuBose, LP Provost Annual Conference: 1982, Vol. 4

Paper ID: 82-66.4

Model for Evaluating the Effects of Leak Detection and Repair Programs on Fugitive Emissions

Author(s): JI Steinmetz, HJ Williamson, LP Provost

Annual Conference: 1982, Vol. 4

Paper ID: 82-66.5

Comparative Techniques for The Quantification of Fugitive Emissions

Author(s): FJ Debrecht

Annual Conference: 1982, Vol. 4

Paper ID: 82-66.6

Evolution and Design of Electrostatic Precipitation Discharge Electrodes

Author(s): RL Bump

Annual Conference: 1982, Vol. 4

Paper ID: 82-67.1

Engineering an Efficient, Compact and Economical Gas Scrubber

Author(s): HE Hesketh, KC Schifftner Annual Conference: 1982, Vol. 4

Paper ID: 82-67.3

Models of Air Pollution Control Costs for Coal-to-Electricity Systems

Author(s): JC Molburg, ES Rubin Annual Conference: 1982, Vol. 4

Paper ID: 82-67.4

Air Pollution Control Through Economic Incentives: An Overview

Author(s): JE Norco, RK Raufer Annual Conference: 1982, Vol. 4

Paper ID: 82-67.5

Engineers for Operation & Maintenance

Author(s): FL Cross, HE Hesketh Annual Conference: 1982, Vol. 4

Paper ID: 82-67.6

Effects of Large Coal-Burning Power Plants on Vegetation in Western Pennsylvania

Author(s): FA Wood, RJ Hutnik, DD Davis, GC Wiedersum,

WR Rossman

Annual Conference: 1982, Vol. 4

Paper ID: 82-67.7

The Effects of Fuel Additives on Alcohol Exhaust and Evaporative Emissions

Author(s): SA Esoinola, AT Tamura, JF Nebolon, RK Pefley

Annual Conference: 1982, Vol. 4

Paper ID: 82-68.1

Ford's Development of a Methanol-AAFueled Escort

Author(s): RJ Nichols, J Lapetz, C Smith, WD Tallent

Annual Conference: 1982, Vol. 4

Paper ID: 82-68.2

Environmental Implications of the Use of Alcohol-Fueled Highway Vehicles

Author(s): EE Ecklund, TJ Timbario, PW McCallum

Annual Conference: 1982, Vol. 4

Paper ID: 82-68.3

The National Crop Loss Assessment Network (NCLAN); an Interdisciplinary Approach to Assessment of the Economic Impact of Air Pollution on Agriculture

Author(s): EM Preston

Annual Conference: 1982, Vol. 4

Paper ID: 82-69.1

The National Crop Loss Assessment Network (NCLAN): Experimental Field Approach for Yield Assessment

Author(s): WW Heck, JE Miller, OC Taylor, LH Weinstein

Annual Conference: 1982, Vol. 4

Paper ID: 82-69.2

Approaches for Modeling Crop Pollutant Interactions in the NCLAN Program

Author(s): JR Kercher, GE Bingham, DA King

Annual Conference: 1982, Vol. 4

Paper ID: 82-69.3

Economic Assessment of Ozone Damages: The Role of NCLAN Dose-Response Information

Author(s): RM Adams

Annual Conference: 1982, Vol. 4

Paper ID: 82-69.4

The National Crop Loss Assessment Network: A Summary of Field Studies

Author(s): RJ Kohut, AS Heagle, HE Heggstad, LW Kress,

OC Taylor

Annual Conference: 1982, Vol. 4

Paper ID: 82-69.5

Engineering and Economic Cost of Pollution Control/Poster Session

Author(s): J Yates

Annual Conference: 1982, Vol. 4

Paper ID: 82-70P

Visibility-The Operational Perspective/Poster Session

Author(s): RJ Farber

Annual Conference: 1982, Vol. 1

Paper ID: 82-7P

Quality Assured Continuous Monitoring of Sulfur Gases at Low PPM Levels in Process Stacks

Author(s): AJ Navarre, D Arceneaux Annual Conference: 1982, Vol. 1

Paper ID: 82-8.1

Statistical Prediction of Flowrates for Vapor-Phase SOCMI Air Oxidation Processes

Author(s): J Galloway, A Miles, LB Evans

Annual Conference: 1982, Vol. 1

Paper ID: 82-8.2

Assessment of VOC Emissions from Thermally Enhanced Oil Recovery Wellhead Casing Vents

Author(s): GE Harris, TW Rarick Annual Conference: 1982, Vol. 1

Paper ID: 82-8.3

Measurement of Smoke from Two Prescribed Fires in the Pacific Northwest

Author(s): DE Ward, DV Sandberg, rd Ottman, JA Anderson,

GC Hofer, CK Fitzsimmons Annual Conference: 1982, Vol. 1

Paper ID: 82-8.4

Particulate Emission Reduction from Road Paving in California Oil Fields

Author(s): C Cowherd

Annual Conference: 1982, Vol. 1

Paper ID: 82-8.5

A Determination of Fine Particulate Emissions from a Drum-Mix Asphalt Plant

Author(s): JS Kinsey, T Walker, HK Wilcox

Annual Conference: 1982, Vol. 1

Paper ID: 82-8.6

Risk Assessment for Vinyl Chloride in Perspective

Author(s): JT Barr

Annual Conference: 1982, Vol. 1

Paper ID: 82-9.2

Risk Analysis in the Context of National Ambient Air Quality Standards

Author(s): HM Richmond, T McCurdy, B Jordan

Annual Conference: 1982, Vol. 1

Paper ID: 82-9.3

A Unified Approach to the Use of Human Clinical Data: Case Study of Nitrogen Dioxide and Sulfur Dioxide

Author(s): AV Colucci, EJ Faeder, PE Brubaker

Annual Conference: 1982, Vol. 1

Paper ID: 82-9.6

Impacts of Selected Transportation Analysis Techniques on Emission Reduction Estimates

Author(s): WR Steinmetz, JS Kuncel, SB Survanshi

Annual Conference: 1981, Vol. 3

Paper ID: 81.43.3

Emergency Evaluation Dispersion Analysis for the Chemical/Petrochemical Industry

Author(s): J Laznow, FJ Mogolesko, NJ Lordi, RC Skalarew

Annual Conference: 1981, Vol. 1

Paper ID: 81-1.1

Assessing the Air Quality Impacts of Conversion to Coal in the Northeastern United States

Author(s): FC Kornegay, CE Dungey, JH Shannon

Annual Conference: 1981, Vol. 1

Paper ID: 81-10.2

Technical and Environmental Considerations for the Conversion of a Utility Broiler to Coal

Author(s): JP Bilotti, AJ Buonicore AC Salas, F Montet, L

Mulrooney

Annual Conference: 1981, Vol. 1

Paper ID: 81-10.4

The Uncertainties of Coal Conversion for Electric Utilities

Author(s): MC Cordaro

Annual Conference: 1981, Vol. 1

Paper ID: 81-10.5

Application of the "Bubble Concept" to a Utility Coal Conversion

Author(s): JB Ramil, WN Cantrell Annual Conference: 1981, Vol. 1

Paper ID: 81-10.6

Change in Pulmonary Function in Children Associated with Air Pollution Episodes

Author(s): DW Dockery, NR Cook, BG Ferris, FE Speizer, JD

Spendgler, JH Ware

Annual Conference: 1981, Vol. 1

Paper ID: 81-11.1

The Relationship Between Air Pollution and Diminished Lung Function Values: Results of a Longitudinal Epidemiological Study in the Netherlands.

Author(s): Rvd Lende, TJ Kok, RP Reig, JP Schouten, NGM

Orie, PH Quanjer

Annual Conference: 1981, Vol. 1

Paper ID: 81-11.2

Relationships of Air Pollution to Health: Results from the Pittsburgh Study

Author(s): S Mazumdar, N Sussman Annual Conference: 1981, Vol. 1

Paper ID: 81-11.3

Montana Air Pollution Study: Synopsis of Pulmonary Function Studies

Author(s): KG Johnson, R Gideon, D Loftsgaarden

Annual Conference: 1981, Vol. 1

Paper ID: 81-11.4

Respiratory of High School Students in Granite City, Illinois

Author(s): SK Hall, M McCowen, JH Cissik

Annual Conference: 1981, Vol. 1

Paper ID: 81-11.5

An Analysis of the Respiratory Health Effects of Human Subjects Exposed to Complex Atmospheres Under Controlled Conditions

Author(s): MT Kleinman, WS Linn, RM Bailey, JH Lee, JD

Hackney

Annual Conference: 1981, Vol. 1

Paper ID: 81-11.6

Study of Effects of Summertime Haze Exposures on the Health of Children

Author(s): M Lippmann, PJ Lioy, G Leikauf, D Fife, FE

Speizer

Annual Conference: 1981, Vol. 1

Paper ID: 81-11.7

Effects of Submicrometer Sulfuric Acid Exposures on Bronchial Mucociliary Particles Clearance in Healthy Nonsmoking Adults

 $\hbox{Author(s): G Leikauf, DM Spektor, RE Albert, $Mlippmann$}$

Annual Conference: 1981, Vol. 1

Paper ID: 81-11.8

Health Effects of Pollutants Associated with Coal-Fired Power Production in a Rural Area

Author(s): MB Schenker, FE Speizer, JM Samet, J Gruhl

Annual Conference: 1981, Vol. 1

Paper ID: 81-11.9

Emission Inventories: What Good Are They? How Good Are They?

Author(s): GC Magil

Annual Conference: 1981, Vol. 1

Paper ID: 81-12.1

The Generation of Gridded Emission Inventories in an Uncertain Regime

Author(s): WR Oliver

Annual Conference: 1981, Vol. 1

Paper ID: 81-12.2

Inventory Program and Fugitive Hydrocarbon Emissions of California Primary and Secondary Oil Production Operations-Methodology

Author(s): WJ Dennison, HJ Taback, JF Macko

Annual Conference: 1981, Vol. 1

Paper ID: 81-12.4

Technical Discussion of Per Capita Emission Factors for Several Area Sources of Volatile Organic Compounds

Author(s): WH Lamason

Annual Conference: 1981, Vol. 1

Paper ID: 81-12.5

Implementation of a Software System for Data Quality Assurance for Point Source Emission Files

Author(s): LG Wayne, J Stredler, TF Braverman

Annual Conference: 1981, Vol. 1

Paper ID: 81-12.6

An Overview of EPA's 1982 Ozone SIP Emission Inventory Requirements

Author(s): jh Southerland, TF Lahre

Annual Conference: 1981, Vol. 1

Paper ID: 81-12.7

Interregional Transport: Case Studies of Measurements Versus Model Predictions

Author(s): LM Reisinger, TL Crawford

Annual Conference: 1981, Vol. 1

Paper ID: 81-13.4

Acidity in Air and Water in Warm Frontal Precipitation

Author(s): AL Lazrus, PL Haagenson, GL Kok, CW

Kreitzberg, GE Likens, VA Mohen, WE Wilson, JW

Winchester

Annual Conference: 1981, Vol. 1

Paper ID: 81-13.5

Application of a Regional Air Pollution Model(ENAMAP-1) TO Study Interregional Exchanges of Airborne Sulfur Depositions ion Eastern North America

Author(s): CM Bhumralkar, RL Mancuso, DE Wolf, KC Nitiz,

WB Johnson

Annual Conference: 1981, Vol. 1

Paper ID: 81-13.6

An Assessment of the Adequacy of the Sector Box Model for Prediction the Additive Impact of SO2 Sources Along High Density Corridors

Author(s): W Heck, HM Ellis

Annual Conference: 1981, Vol. 1

Paper ID: 81-13.7

A Neighborhood Scale Study of Inhalable and Fine Suspended Particulate Matter Source Contributions to an Industrial Area in Philadelphia

Author(s): JC Chow, V Shortell, J Collins, JG Watson, TG

Pace, R Burton

Annual Conference: 1981, Vol. 1

Paper ID: 81-14.1

Chemical Analysis of Size-Segregated Samples of Denver's Ambient Particulate

Author(s): RJ Countess, SH Cadle, PJ Groblicki, GT Wolff

Annual Conference: 1981, Vol. 1

Paper ID: 81-14.2

Particulate Loading and Size Characteristics During Dust Storm Events

Author(s): LC Thanukos, K = W Scoular, JA Taylor

Annual Conference: 1981, Vol. 1

Paper ID: 81-14.3

Spatial Distribution of Particulate Concentrations: The Lognormal Distribution Revisited

Author(s): FD Muschett

Annual Conference: 1981, Vol. 1

Paper ID: 81-14.6

Characterization of Particle Episodes in the Arid West

Author(s): LL Ashbaugh, JB Barone, TA Cahill, RA Elred,

RG Flocchini, ML Pitchford Annual Conference: 1981, Vol. 1

Paper ID: 81-14.A

Biosphere Processes and Natural Emissions to the Atmosphere: A Quantitative Geographic Basis

Author(s): EO Box

Annual Conference: 1981, Vol. 1

Paper ID: 81-15.1

The Role of Reduced Sulfur Gases in the Atmospheric Sulfur Budget

Author(s): MKW Ko, ND Sze

Annual Conference: 1981, Vol. 1

Paper ID: 81-15.2

Biogenic Sulfur Source Strengths

Author(s): DF Adams, SO Farwell, E Robinson, MR Pack,

WL Bamesberger

Annual Conference: 1981, Vol. 1

Paper ID: 81-15.3

Odorous Compounds in Emissions from Municipal Sewage Plants

Author(s): A Zeman, K Koch Annual Conference: 1981, Vol. 1

Paper ID: 81-15.5

Modification of Particulate Control Systems for Existing Utility Installations

Author(s): LH Bradley

Annual Conference: 1981, Vol. 2

Paper ID: 81-17.1

A Review of TVA's Retrofit Program of Cold Side-Rigid Frame Electrostatic Precipitators

Author(s): JA Hudson, JH Lyle Annual Conference: 1981, Vol. 2

Paper ID: 81-17.2

Effects of Ash Chemistry on Electrostatic Precipitator Performance

Author(s): JB Dunson

Annual Conference: 1981, Vol. 2

Paper ID: 81-17.3

Effects of Burning Low Sulfur, Low Sodium Coal on Electrostatic Precipitators J.T. Deely Unit 1& 2

Author(s): AS Parazo

Annual Conference: 1981, Vol. 2

Paper ID: 81-17.4

Energy Management for Corona Power in Electrostatic Precipitators

Author(s): RR Crynack

Annual Conference: 1981, Vol. 2

Paper ID: 81-17.6

Modeling Basis for Energy Risk Assessment

Author(s): PF Ricci, CG Whipple Annual Conference: 1981, Vol. 2

Paper ID: 81-18.2

The Local Agency Perspective on PSD Set 11

Author(s): WT Burkhart, JA Paul, MT DeBusschere

Annual Conference: 1981, Vol. 2

Paper ID: 81-19.4

Prevention of Significant Deterioration of Air Quality Set 11 Some Regulatory Alternatives

Author(s): BC Bradford

Annual Conference: 1981, Vol. 2

Paper ID: 81-19.5

Some Issues in the Generation of Dose-Response

Information: An Economic Perspective

Author(s): RM Adams, TD Crocker Annual Conference: 1981, Vol. 1

Paper ID: 81-2.1

Oxidant Air Pollution: Estimating Economic Effects on U.S. Vegetation

Author(s): PD Moskowitz, EA Coveney, WH Medeiros, SC

Morris

Annual Conference: 1981, Vol. 1

Paper ID: 81-2.2

Estimation of Ozone Damage to Selected Crops Grown in Southern California

Author(s): SK Leung, W Reed, S Geng Annual Conference: 1981, Vol. 1

Paper ID: 81-2.3

Estimating Crop Yield Effects from Ambient Air Pollutants in the Ohio River Valley

Author(s): OL Loucks, TV Armentano Annual Conference: 1981, Vol. 1

Paper ID: 81-2.5

EPRI Plume Model Validation Project: Preliminary Evaluation of Model Performance

Author(s): NE BOWNE, m Cher, MK Liu

Annual Conference: 1981, Vol. 2

Paper ID: 81-20.1

Design of the Oak Ridge National Laboratory Steam Plant Air Quality Network in Complex Terrain

Author(s): ES Hougland, TW Oakes Annual Conference: 1981, Vol. 2

Paper ID: 81-20.2

Physical Modeling Studies for GEP Stack Height Determinations

Author(s): AR Greenway, JE Cermak, RL Petersen, HC

McCullough

Annual Conference: 1981, Vol. 2

Paper ID: 81-20.3

An Evaluation Study of the Industrial Source Complex (ISC) Dispersion Model

Author(s): JF Bowers, AJ Andersen, AH Huber

Annual Conference: 1981, Vol. 2

Paper ID: 81-20.4

Comparison of Dispersion Predicted by Gaussian Models with Observed Tracer Dispersion

Author(s): RJ Longergan, JJ Mangano, H Borenstein

Annual Conference: 1981, Vol. 2

Paper ID: 81-20.5

Relative Contributions of Transported and Locally Produced Ozone Downwind of Philadelphia, Pennsylvania

Author(s): MW Chan, DW Allard, NC Possiel

Annual Conference: 1981, Vol. 2

Paper ID: 81-21.1

Ozone Plume Mapping in the New York and Boston Areas

Author(s): CW Spicer, GM Sverdrup, AJ Alkezweeny, KM

Business, RC Easter, NC Possiel Annual Conference: 1981, Vol. 2

Paper ID: 81-21.2

Photochemical Ozone Formation in Urban and Point Source Plumes

Author(s): K Sexton, H Westberg Annual Conference: 1981, Vol. 2

Paper ID: 81-21.3

A Test of the Photochemical Mechanism for Nitrate Formation in Irradiated Denver Air

Author(s): NA Kelly

Annual Conference: 1981, Vol. 2

Paper ID: 81-21.4

Visibility and the Chemical Composition of Aerosols in Air Masses over Lake Michigan

Author(s): AJ Alkezweeny, CM Berkowitz

Annual Conference: 1981, Vol. 2

Paper ID: 81-21.5

Impact of Energy Conserving Retrofits on Indoor Air Quality in Residential Housing

Author(s): JV Berk, RA Young, SR Brown, CD Hollowell

Annual Conference: 1981, Vol. 2

Paper ID: 81-22.1

The Effects of Woodburning on Indoor Pollutant Concentrations

Author(s): DJ Moschandreas, DJ Pelton, DR Berg

Annual Conference: 1981, Vol. 2

Paper ID: 81-22.2

Odor Acceptability in the Indoor Environment

Author(s): RD Flesh, ML Riha, RA Duffee

Annual Conference: 1981, Vol. 2

Paper ID: 81-22.3

Assessing the Performance of Activated Carbon in the Indoor Environment

Author(s): A Turk, LK Oti

Annual Conference: 1981, Vol. 2

Paper ID: 81-22.4

Odor Control Through Ventilation: Smoking vs.

Nonsmoking Occupancy

Author(s): WS Cain, BP Leaderer, R Isseroff, RJ Huev

Annual Conference: 1981, Vol. 2

Paper ID: 81-22.5

Tobacco Smoke in Occupied Spaces; Ventilation Requirements

Author(s): BP Leaderer, ws Cain, R Isseroff, LG Berglund

Annual Conference: 1981, Vol. 2

Paper ID: 81-22.6

The Department of the Interior's Regulatory Structure for the Control of Air Pollutants Emitted on the OCS

Author(s): JA Hill

Annual Conference: 1981, Vol. 2

Paper ID: 81-23.1

Key Considerations in Assessing the Air Impacts of Projected Continental Shelf Oil and Gas Development

Author(s): SW Kahane, SL Phinney, JA Hill, RC Sklarew

Annual Conference: 1981, Vol. 2

Paper ID: 81-23.3

The Regulation of Tanker Emission-1981 Regulatory Update

Author(s): J Civins

Annual Conference: 1981, Vol. 2

Paper ID: 81-23.6A

A Review of Key Issues Related to Air Quality and Reclamation in the Oil Sands Area

Author(s): A Kumar, AW Fedenheuer

Annual Conference: 1981, Vol. 2

Paper ID: 81-24.3

A New High Temperature Radiation Coupled Chemical Reactor for Producing Sulfur Free Synthesis Gas and Reducing Toxic Wastes

Author(s): E Matovich, FW Quelle Annual Conference: 1981, Vol. 2

Paper ID: 81-24.5

An Update of the "Development of Alternative Liquid Fuels"

Author(s): MJ Rose

Annual Conference: 1981, Vol. 2

Paper ID: 81-24.7

Scrubber Re-Entrainment Evaluations Using a Lithium Tracer

Author(s): R Nowak, AJ Buonicore, E Bouffard

Annual Conference: 1981, Vol. 2

Paper ID: 81-26.1

Integral Particulate and SO2 Scrubbing-Minnesota Power's Operating Experience

Author(s): CA Johnson

Annual Conference: 1981, Vol. 2

Paper ID: 81-26.2

Operating Experience on a Wellman-Lord Scrubber

Author(s): RO Pearson, RT Wood Annual Conference: 1981, Vol. 2

Paper ID: 81-26.4

Photooxidation of a Pinene at Near-Ambient Concentrations Under Simulated Atmospheric Conditions

Author(s): DR Fitz, MC Dodd, AM Winer

Annual Conference: 1981, Vol. 2

Paper ID: 81-27.3

Pine Forest Hydrocarbon Emissions: Source Strength vs. Ambient Concentrations

Author(s): RR Arnts, WB Petersen, RL Seila, BW Gay

Annual Conference: 1981, Vol. 2

Paper ID: 81-27.4

Aerosols Originating from Forest Burnings in the Amazon Basin of Brazil

Author(s): ACD Leslie, L Carlos, S Boueres, PEA Netto

Annual Conference: 1981, Vol. 2

Paper ID: 81-27.5

Ozone Isoprene Reactions Products Formation and Aerosol Potential

Author(s): RM Kamens, MW Gery, HE Jeffries, M Jackson,

EI Cole

Annual Conference: 1981, Vol. 2

Paper ID: 81-27.6

The Impact of Future Coal Utilization on Air Quality in the Ohio River Basin: The Role of Environmental Regulations and Power Plant Operating Conditions

Author(s): JJ Stukel, AS Van Horn, EY Tong, M Mills

Annual Conference: 1981, Vol. 2

Paper ID: 81-28.2

Air Quality Impact of Increased Coal Utilization

Author(s): TT Shen

Annual Conference: 1981, Vol. 2

Paper ID: 81-28.3

Coal Sulfur Variability and Sulfur Emissions

Author(s): GD Andria

Annual Conference: 1981, Vol. 2

Paper ID: 81-28.4

Airborne Size Distributions of Trace Elements in an Industrial Section of Pittsburgh

Author(s): CI Davidson, WD Goold, MA Nasta, MT Reilly

Annual Conference: 1981, Vol. 2

Paper ID: 81-28.6

Visibility Protection for National Parks and Wilderness Areas

Author(s): JL Pearson, JA Horne Annual Conference: 1981, Vol. 2

Paper ID: 81-29.1

Protection of Visibility by an Ambient Air Quality Standard

Author(s): MG Ruby, I Tombach Annual Conference: 1981, Vol. 2

Paper ID: 81-29.3

An Air Quality and Visibility Assessment of a Coal Mine Near Bryce Canyon National Park

Author(s): KD Winges

Annual Conference: 1981, Vol. 2

Paper ID: 81-29.5

Environmental Emissions from Emerging Coal Technologies

Author(s): LC Headley, RA Bajura Annual Conference: 1981, Vol. 1

Paper ID: 81-3.1

Biomonitoring as an Early Warning System of the Effects of Energy Industry Air Emissions

Author(s): PD Lulman

Annual Conference: 1981, Vol. 1

Paper ID: 81-3.3

Alternate Energy Scenarios and Air Quality in the Twin Cities

Author(s): DP Kuhaneck, ME Samsa, RK Raufer

Annual Conference: 1981, Vol. 1

Paper ID: 81-3.5

Historical Emissions of Sulfur and Nitrogen Oxides in the Eastern United States by State and County

Author(s): G Gschwandtner, CO Mann, BC Jordan, JC Bosch

Annual Conference: 1981, Vol. 2

Paper ID: 81-30.1

One Dimensional Trajectory Photochemical Dispersion Model: Some Conceptual Aspects and Application to N02 Episode in the Los Angeles Basin

Author(s): TY Chang, JM Norbeck, B Weinstock

Annual Conference: 1981, Vol. 2

Paper ID: 81-31.3

An Updated and Expanded Coastal Fumigation Model

Author(s): WA Lyons, ER SawDEY, JA Schuh, RH Calby, CS

Keen

Annual Conference: 1981, Vol. 2

Paper ID: 81-31.4

The Generation of Respirable Fragments by Mount St. Helens Volcanic Eruption and Their Impact on Our Environment

Author(s): RJ Cheng

Annual Conference: 1981, Vol. 2

Paper ID: 81-32.2

The Mt. St. Helen's Effect on Anaconda Copper Company Montana Operations

Author(s): JG Moldovan, r Krablin Annual Conference: 1981, Vol. 2

Paper ID: 81-32.4

Distribution of Chemical Species by Size from Mt. St. Helens Volcanic Ash from Various Sites

Author(s): RLJ Lee, JF Kelly, RM Fisher, JJ McCarthy

Annual Conference: 1981, Vol. 2

Paper ID: 81-32.5

Anatomy of a Carbon Monoxide Problem

Author(s): SR Albersheim Annual Conference: 1981, Vol. 2

Paper ID: 81-33.1

Diurnal Patterns of Sulfur Dioxide

Author(s): NH Frank, BE Blagun, H Slater

Annual Conference: 1981, Vol. 2

Paper ID: 81-33.3

National Air Monitoring Stations (NAMS) Network: Progress in Implementing the 1979 Monitoring Regulations

Author(s): SF Sleva, RE Neligan, WM Cox, WF Hunt

Annual Conference: 1981, Vol. 2

Paper ID: 81-33.4

Time Series Analysis of Hourly Average Air Quality Data

Author(s): TR Johnson, L Wijnberg Annual Conference: 1981, Vol. 2

Paper ID: 81-33.5

General Approach to Solving Odor Problems

Author(s): AD Astle, RA Duffee Annual Conference: 1981, Vol. 2

Paper ID: 81-34.1

Controlling Odorous Emissions from Fugitive and Area Sources

Author(s): G Leonardos

Annual Conference: 1981, Vol. 2

Paper ID: 81-34.3

Preventing Odor Problems with New Sources

Author(s): PO Warner, A Greenberg Annual Conference: 1981, Vol. 2

Paper ID: 81-34.4

Odor Control for Older Sources Using Oxygen-Free Collectors

Author(s): CL Thompson, FW Kroesser Annual Conference: 1981, Vol. 2

Paper ID: 81-34.5

Operating Experience with the Largest High Sulfur Industrial FGD System

Author(s): MH Reiners, DV Francis, RS Biochini, JD Coons

Annual Conference: 1981, Vol. 2

Paper ID: 81-35.1

First-Year Operational Experience Celanese Fibers Company Coal-Fired Boiler Using a Dry Flue Gas Cleaning System

Author(s): RB Crowe

Annual Conference: 1981, Vol. 2

Paper ID: 81-35.2

Emissions Performance of Georgetown University Fluidized-Bed Boiler

Author(s): JO Milliken, CW Young Annual Conference: 1981, Vol. 2

Paper ID: 81-35.3

Removal of NO x, SO2 by Electron Beam Irradiation a Phenomenological Model

Author(s): L Meneozzi, PL Feldman Annual Conference: 1981, Vol. 2

Paper ID: 81-35.4

Field Test Results of Eighteen Industrial Coal Stoker Boilers for Emission Control and Improved Efficiency

Author(s): W Axtman, MA Eleniewski Annual Conference: 1981, Vol. 2

Paper ID: 81-35.5

Control of Gaseous Pollutants from Industrial Combustion by Chemical Reaction

Author(s): JD Mobley, KJ Lim Annual Conference: 1981, Vol. 2

Paper ID: 81-35.7

International Regulatory Actions on CFCS

Author(s): FA Harris, JK Kosovich Annual Conference: 1981, Vol. 3

Paper ID: 81-36.2

The Kinetics and Atmospheric Significance of The Hydroxyl Radical Reaction with Nitrogen Dioxide

Author(s): LG Anderson Annual Conference: 1981, Vol. 3

Paper ID: 81-37.1

The Photoxidation of Propionaldehyde

Author(s): PB Shepson, J Heicklen Annual Conference: 1981, Vol. 3

Paper ID: 81-37.2

Dynamics of Sulfate Particle Production and Growth in Smog Chamber Experiments

Author(s): JF Meagher, KJ Olszyna, L Stockburger, M Luria

Annual Conference: 1981, Vol. 3

Paper ID: 81-37.3

Irradiation of Terpene Mixtures

Author(s): MJ Kaiserman, EW Corse, JJ Bufalini

Annual Conference: 1981, Vol. 3

Paper ID: 81-37.4

Nephelometer estimates of Fine Particulate Mass Concentration in an Outdoor Smog Chamber

Author(s): RV Crume, DL Fox, TG Ellestad

Annual Conference: 1981, Vol. 3

Paper ID: 81-37.5

Guidelines for Modeling and Monitoring Aircraft Pollution

Author(s): H Segal

Annual Conference: 1981, Vol. 3

Paper ID: 81-38.2

Problems in the Measurement of Oxides of Nitrogen in Gas Turbine Engine Exhaust

Author(s): NT Campbell, GA Beres, TJ Blasko, RH Groth

Annual Conference: 1981, Vol. 3

Paper ID: 81-38.3

Organic Emissions from Gas Turbine Engines: Collection and Desorption of Polynuclear Aromatic Compounds from Inert Substrates

Author(s): MC Williams, MD Kahn, RH Groth, JL Wilson

Annual Conference: 1981, Vol. 3

Paper ID: 81-38.6

Odor Control from Multiple Sources by Dispersion

Author(s): K MacFarlane, J Reinke Annual Conference: 1981, Vol. 3

Paper ID: 81-39.1

Wet Scrubbing of Multiple Source Odors in a Rendering Plant

Author(s): V Frega, WH Prokop Annual Conference: 1981, Vol. 3

Paper ID: 81-39.2

An Engineering Solution to a Complex VOC/Odor Problem

Author(s): RL Severance

Annual Conference: 1981, Vol. 3

Paper ID: 81-39.3

A Case History-Odor Control from Area Sources by Process Change

Author(s): SS Cha

Annual Conference: 1981, Vol. 3

Paper ID: 81-39.4

Air Quality Modeling of a Sewage Treatment Plant

Author(s): BJ Berdahl, RP Barth, WG Hoydysh

Annual Conference: 1981, Vol. 3

Paper ID: 81-39.5

Measurement of Fugitive Hydrocarbon Emissions from a Chemical Waste Disposal Site

Author(s): JA Peters, KM Tackett, EC Eimutis

Annual Conference: 1981, Vol. 3

Paper ID: 81-41.1

Fugitive Organic Emissions from Chemical Waste Dumpsites

Author(s): MP Esposito, SM Bromberg Annual Conference: 1981, Vol. 3

Paper ID: 81-41.2

Hazardous Air Emissions from Land Disposal/Treatment Facilities

Author(s): ST Hwang

Annual Conference: 1981, Vol. 3

Paper ID: 81-41.4

Frequency of Fugitive Emissions in Synthetic Organic Chemical Plants

Author(s): GE Harris, BA Tichenor Annual Conference: 1981, Vol. 3

Paper ID: 81-41.5

Fugitive Organic Emissions: High Density Polyethylene

Author(s): JP Sorbet, RO Bloxham, DW Whitty, RE

Howerter, WF Blank

Annual Conference: 1981, Vol. 3

Paper ID: 81-41.6

Factors Influencing Regional Response of Vegetation to 03

Author(s): OC Taylor

Annual Conference: 1981, Vol. 3

Paper ID: 81-42.1

Air Quality Standards for Fluoride to Protect Vegetation:

Regional, Seasonal and Other Considerations

 $Author(s): DC\ MacLean$

Annual Conference: 1981, Vol. 3

Paper ID: 81-42.3

Regional Effects of Air Pollutants on Soils

Author(s): TW Barrett

Annual Conference: 1981, Vol. 3

Paper ID: 81-42.4

Regional Effects of Multiple Air Pollutants on Plants

Author(s): JC Noggle, HC Jones Annual Conference: 1981, Vol. 3

Paper ID: 81-42.5

Short and Long Term Impacts of Energy Variables on Transportation Controls

Author(s): RY Wada, V Petrites, W Knudson

Annual Conference: 1981, Vol. 3

Paper ID: 81-43.5

Development of the BLP Dispersion Model for Aluminum Reduction Plants

Author(s): LL Schulman, JS Scire Annual Conference: 1981, Vol. 3

Paper ID: 81-44.3

Impact of Emissions from an Alumina Reduction Smelter on the Forest at Kitimat, B.C.: A Synoptic View

Author(s): LH Weinstein, HWF Bunce Annual Conference: 1981, Vol. 3

Paper ID: 81-44.4

The Closing of the Anaconda Copper Smelter

Author(s): R Krablin, JG Moldovan Annual Conference: 1981, Vol. 3

Paper ID: 81-44.5

Future Directions in Designing New Dust Filtration Materials

Author(s): JR Koscianowski, L Koscianowska

Annual Conference: 1981, Vol. 3

Paper ID: 81-45.1

The Effect of Air Pollution on Visibility in the North East of England

Author(s): PW Russell, JR Walls, BE Prater

Annual Conference: 1981, Vol. 3

Paper ID: 81-45.2

Elect statically Augmented Air Filter for Producing Ultra Clean Air

Author(s): S Masuda, N Sugita Annual Conference: 1981, Vol. 3

Paper ID: 81-45.3

On Modeling Visibility Reduction: Prescribed Forest Burns

Author(s): GD Ross, DR Packman Annual Conference: 1981, Vol. 3

Paper ID: 81-45.4

Flue Gas Desulfurization Process Using Potassium Tartrate

Author(s): K Yokota, A Wakabayashi, R Tsukada

Annual Conference: 1981, Vol. 3

Paper ID: 81-45.5

The SURE Measurements

Author(s): PK Mueller, JG Watson Annual Conference: 1981, Vol. 3

Paper ID: 81-46.1

A Digest of the Results from the Sulfate Regional Experiment (SURE)

Author(s): GM Hidy, PK Mueller Annual Conference: 1981, Vol. 3

Paper ID: 81-46.2

The Occurrence of Ozone and Sulfate in the Northeastern U.S. Under Summertime Conditions

Author(s): PJ Lioy, RP Mallon, PJ Samson

Annual Conference: 1981, Vol. 3

Paper ID: 81-46.3

Initial Data Bases for the Intercomparison of Regional Air Quality/Acid Deposition Simulation Models Description and Applications

Author(s): BL Niemann

Annual Conference: 1981, Vol. 3

Paper ID: 81-46.4

Measurements of Aldehydes in Ambient Air

Author(s): K Fung, RD Swanson, D Grosjean

Annual Conference: 1981, Vol. 3

Paper ID: 81-47.1

Trace Level Analysis of Ambient Organic Species Using Solid Absorbent and Derivatization Technology

Author(s): HH Westberg, AR Gholson, HH Hill

Annual Conference: 1981, Vol. 3

Paper ID: 81-47.2

Nonmethane Hydrocarbon Composition of Urban and Rural Atmospheres

Author(s): K Sexton, H Westberg Annual Conference: 1981, Vol. 3

Paper ID: 81-47.3

Analysis of Ambient Air at New Jersey Locations for Selected Volatile Organic Compounds

Author(s): JW Bozzelli, J Kemp, L Horgan, BB Kebbekus

Annual Conference: 1981, Vol. 3

Paper ID: 81-47.4

Basis for Simplified Modeling Approaches for Short Term

Author(s): HS Cole, EL Meyer, RF Kelly

Annual Conference: 1981, Vol. 3

Paper ID: 81-47.5

A New Technique for Measuring Sulfuric Acid in Air

Author(s): BA Thomson, JB French Annual Conference: 1981, Vol. 3

Paper ID: 81-47.7

Proposed Performance Specifications for a Continuous Monitor of Particulate Mass Emissions

Author(s): JS Nader

Annual Conference: 1981, Vol. 3

Paper ID: 81-48.1

Use of Continuous Emission Monitoring in the Electric **Utility Industry**

Author(s): JV Gieson

Annual Conference: 1981, Vol. 3

Paper ID: 81-48.3

Continuous Emission Monitoring from the Regulation to Actual Practice

Author(s): CD Grimm

Annual Conference: 1981, Vol. 3

Paper ID: 81-48.5

Performance Specification Testing as Experienced by the Tennessee Valley Authority

Author(s): SG Gipson, DW Tapley, JR Hyatt

Annual Conference: 1981, Vol. 3

Paper ID: 81-48.6

Field Training for Noise Control Ordinance Enforcement

Author(s): JA Lipoti, RM Manganelli Annual Conference: 1981, Vol. 3

Paper ID: 81-49.4

Pile Driving Noise Control

Author(s): DA Deiso, FM Kessler Annual Conference: 1981, Vol. 3

Paper ID: 81-49.5

Philadelphia Inhalable Particulate Intensive Studies: Spatial Correlations in a Metropolitan Area

Author(s): JC Suggs, RM Burton, TG Pace, L Himmelstein, F

Hauptman

Annual Conference: 1981, Vol. 1

Paper ID: 81-5.1

Preliminary Interpretation of Inhalable Particulate Network

Author(s): TG Pace, CE Rodes, JG Watson

Annual Conference: 1981, Vol. 1

Paper ID: 81-5.2

Comparison of Aerosol Sampler Inlets

Author(s): RW Shaw, RK Stevens, CW Lewis, JH Chance

Annual Conference: 1981, Vol. 1

Paper ID: 81-5.3

Inhalable Particulate Matter in the Vicinity of an Integrated Iron and Steelmaking Complex

Author(s): JA Grantz

Annual Conference: 1981, Vol. 1

Paper ID: 81-5.4

Field Test of Four Size-Segregated Particulate Samplers

Author(s): JG Wendt, KJ Torre Annual Conference: 1981, Vol. 1

Paper ID: 81-5.5

Air Quality Control Equipment Guarantees; Considerations of Specification, Design and Performance Testing

Author(s): WR Lane

Annual Conference: 1981, Vol. 3

Paper ID: 81-50.1

Negotiation and Control of Air Pollution Control Manufacturers Guarantees

Author(s): AD Smirni

Annual Conference: 1981, Vol. 3

Paper ID: 81-50.2

Vendor Guarantees-After the New Wears Off

Author(s): EL Kropp

Annual Conference: 1981, Vol. 3

Paper ID: 81-50.5

Burning Chemical wastes as Synthetic Fuels in Cement Kilns

Author(s): JD Lauber

Annual Conference: 1981, Vol. 3

Paper ID: 81-51.1

Waste Gaseous Hydrocarbon Combustion in a Flare

Author(s): KC Lee, GM Whipple Annual Conference: 1981, Vol. 3

Paper ID: 81-51.2

The Fate of Trace Metals in a Fluidized Bed Sewage Sludge Incinerator

Author(s): M Trichon, RT Dewling, PF Fennelly, MO White

Annual Conference: 1981, Vol. 3

Paper ID: 81-51.3

Air Quality Implications of Refuse Fuel Conversion of an Ontario Hydro Generating Station in Toronto

Author(s): TS Wong, K Hohansen, RJ Malvern

Annual Conference: 1981, Vol. 3

Paper ID: 81-51.4

Air Emission Problem from Mass Firing of Trash in Waterfall Incinerators

Author(s): CR Thompson Annual Conference: 1981, Vol. 3

Paper ID: 81-51.5

An Economic Analysis of Air Pollution Control Strategies

Author(s): K Boles

Annual Conference: 1981, Vol. 3

Paper ID: 81-52.1

Indirect Offsets a Supplemental Program to Facilitate Interfirm Trades in Emission Reductions

Author(s): JD Foster, MC Weiss Annual Conference: 1981, Vol. 3

Paper ID: 81-52.2

Management Alternatives to the Clean Air Act Amendments of 1977 An Analysis of Regulatory Versus Economic Approaches

Author(s): RJ Tobin, JA Jaksch Annual Conference: 1981, Vol. 3

Paper ID: 81-52.3

Growth Accommodation Under the Clean Air Act: Experience in Eight Cities Participating in a Federal Demonstration Program

Author(s): JC Helm

Annual Conference: 1981, Vol. 3

Paper ID: 81-52.5

The Philadelphia Fee/Subsidy Proposal: An Attempt to Resolve Potential Obstacles to Implementation

Author(s): JD Smith

Annual Conference: 1981, Vol. 3

Paper ID: 81-53.2

Economic Development and Air Quality: Complementary Goals for Local Government

Author(s): JA Kurtzweg, CN Griffin Annual Conference: 1981, Vol. 3

Paper ID: 81-53.3

The Role of Particulate Sulfates and Nitrates in Reducing Visibility

Author(s): WH White

Annual Conference: 1981, Vol. 4

Paper ID: 81-54.1

Visibility in California

Author(s): J Trijonis

Annual Conference: 1981, Vol. 4

Paper ID: 81-54.3

Sources of Visibility Degradation in Portland, Oregon

Author(s): JJ Shah, JJ Huntzicker, JA Cooper, JA Watson

Annual Conference: 1981, Vol. 4

Paper ID: 81-54.4

Comparison of Nephelometer, Telephotometer and Aerosol Data in the Southwest

Author(s): LW Richards, GR Markowski, N Waters

Annual Conference: 1981, Vol. 4

Paper ID: 81-54.5

The Importance of Aerosol Absorption and Graphitic Carbon in Visibility and Atmospheric Optics

Author(s): RE Weiss, AP Waggoner Annual Conference: 1981, Vol. 4

Paper ID: 81-54.6

Comment on Denver's Visibility History

Author(s): CS Sloane, PJ Gromblicki Annual Conference: 1981, Vol. 4

Paper ID: 81-54.7

Microfoam for the Control of Source and Fugitive Dust Emissions

Author(s): HW Cole

Annual Conference: 1981, Vol. 4

Paper ID: 81-55.2

Evaluation of the Effectiveness of Civil Engineering Fabrics and Chemical Stabilizers in the Reduction of Fugitive Emissions from Unpaved Roads

Author(s): AG Larson, DL Shearer, DC Drehmel, GW

Schanche

Annual Conference: 1981, Vol. 4

Paper ID: 81-55.4

Prototype Tests of a Charged Water Droplet Generator for the Control of Inhalable fugitive Dust

Author(s): CV Mathai, LA Rathbun, DC Drehmel

Annual Conference: 1981, Vol. 4

Paper ID: 81-55.5

A Technical Approach for the Determination of Fugitive Emission Source Strength and Control Requirements

Author(s): ET Brookman, DJ Martin Annual Conference: 1981, Vol. 4

Paper ID: 81-55.6

Identification of Mutagenic Compounds in Extracts of Diesel Exhaust Particulates

Author(s): BA Petersen, CC Chuang, WL Margard, DA

Trayser

Annual Conference: 1981, Vol. 4

Paper ID: 81-56.1

Particulate Trends with Increasing Dieselization 1977 to 2000

Author(s): MN Ingalls, RL Bradow Annual Conference: 1981, Vol. 4

Paper ID: 81-56.2

A CRC Cooperative Comparison of Extraction and HPLC Techniques for Diesel Particulate Emissions

Author(s): D Schuetzle, JM Perez Annual Conference: 1981, Vol. 4

Paper ID: 81-56.4

Motor Vehicle Particulate Emission Factors

Author(s): CT Hare, FM Black Annual Conference: 1981, Vol. 4

Paper ID: 81-56.5

Recent Investigations of Volatile Organics in Indoor Air at Sub-PPB Levels

Author(s): FH Jarke, SM Gordon Annual Conference: 1981, Vol. 4

Paper ID: 81-57.2

Residential Indoor and Ambient Outdoor Comparison of Gaseous and Particulate Air Pollutants in Two Cities

Author(s): SD Colome, SM McCarthy, JD Spengler

Annual Conference: 1981, Vol. 4

Paper ID: 81-57.3

Weekly Measurements of Indoor and Outdoor Nitrogen Dioxide Concentrations

Author(s): JD Spengler, R Letz, BG Ferris, TW Tibbitts, CP Duffy

Annual Conference: 1981, Vol. 4

Paper ID: 81-57.4

Personal Exposures to Respirable Particles

Author(s): RD Treitman, T Tosteson, JD Spengler, R Venti, D Mage

Annual Conference: 1981, Vol. 4

Paper ID: 81-57.5

Exposure Estimates Based on Computer Generated Activity Patterns

Author(s): WR Ott

Annual Conference: 1981, Vol. 4

Paper ID: 81-57.6

An Overview of Source Receptor Source Apportionment

Author(s): JG Watson, JC Chow Annual Conference: 1981, Vol. 4

Paper ID: 81-58.1

Chemical Mass Balance Source Apportionment Methods

Author(s): JA Cooper

Annual Conference: 1981, Vol. 4

Paper ID: 81-58.2

Multiple Regression Models for Source Apportionment

Author(s): TJ Kneip, RP Mallon, MT Kleinman

Annual Conference: 1981, Vol. 4

Paper ID: 81-58.3

Optical Microscopy An Important Tool for Particulate Receptor Source Apportionment

Author(s): ER Crutcher

Annual Conference: 1981, Vol. 4

Paper ID: 81-58.5

Receptor Models-How Great Thou Art!(?)

Author(s): JE Core, TG Pace Annual Conference: 1981, Vol. 4

Paper ID: 81-58.6

An Alternative Emission Control Plan for Industrial Plants-Birth of a Concept and Its Regulatory Implications

Author(s): JR Zwikl, pe Kueser, A Roffman, LL Simmons

Annual Conference: 1981, Vol. 4

Paper ID: 81-59.4

Application of Windbox Gas Recycle and Dry Electrostatic Precipitation to the Cleaning of Sinter Plant Windbox Gases

Author(s): MR Faigen

Annual Conference: 1981, Vol. 4

Paper ID: 81-59.5

Sinterplant windowbox Emission Control: Current Technology Using Dry Electrostatic Precipitators

Author(s): ND Graves

Annual Conference: 1981, Vol. 4

Paper ID: 81-59.6

Seasonal Patterns of Sulfate and Nitrate in Precipitation in the United States

Author(s): VC Bowersox, GJ Stensland Annual Conference: 1981, Vol. 1

Paper ID: 81-6.1

Trends in Acid Precipitation in the Northeastern United States and the Role of Dry Deposition

Author(s): ER Altwicker, AH Johannes Annual Conference: 1981, Vol. 1

Paper ID: 81-6.2

Long-Term Variations in Ozone Measurements in a Remote Area in Northeastern Utah

Author(s): MW Chan, MI Smith Annual Conference: 1981, Vol. 1

Paper ID: 81-6.3

Evaluation of the Empirical Kinetics Modeling Approach

Author(s): EL Meyer, GL Gipson, B Dimitriades

Annual Conference: 1981, Vol. 1

Paper ID: 81-6.4

On the Occurrence of Photochemical Air Pollution at Moderate and Low Temperatures

Author(s): J Schjoldager Annual Conference: 1981, Vol. 1

Paper ID: 81-6.5

National Ozone Monitoring, Status and Trends 1979

Author(s): WF Hunt, TC Curran, RB Faoro, NH Frank, WM

Cox, VH Henderson

Annual Conference: 1981, Vol. 1

Paper ID: 81-6.6

Physical/Mathematical Modeling of Sulfur Dioxide Absorption and Oxidation in Falling Drops

Author(s): ER Altwicker, E Chapman, C Kleinstruer, IJ Gujral

Annual Conference: 1981, Vol. 4

Paper ID: 81-60.1

The Removal of Atmospheric Gases by Particulate Matter

Author(s): K Heicklen

Annual Conference: 1981, Vol. 4

Paper ID: 81-60.2

Slow Second Order Reactions in Power Plant Plumes

Author(s): LJ Forney, DA Heffner Annual Conference: 1981, Vol. 4

Paper ID: 81-60.3

Atmospheric Mercury Deposition in Ontario

Author(s): SC Baron, ND Johnson, J Christison

Annual Conference: 1981, Vol. 4

Paper ID: 81-60.4

Improved Data Quality Through the Consensus Process

Author(s): TJ Lockhart

Annual Conference: 1981, Vol. 4

Paper ID: 81-62.1

Dispersion Characteristic in the Lee of Complex Structures

Author(s): RH Thuillier

Annual Conference: 1981, Vol. 4

Paper ID: 81-62.3

Planetary Boundary Layer Structure During PEPE/NEROS 1980 Using Doppler Acoustic Sounding

Author(s): WA Lyons, RH Calby, MA Lazaro

Annual Conference: 1981, Vol. 4

Paper ID: 81-62.4

An Alternate Approach to Medium and Long Range Air Pollution Transport Modeling

Author(s): SF Mueller, RJ Valente Annual Conference: 1981, Vol. 4

Paper ID: 81-62.5

An Evaluation of Meteorological Monitoring Programs at Tennessee Valley Authority Coal Fired Steam Plants

Author(s): KG Wastrack, RV Carter Annual Conference: 1981, Vol. 4

Paper ID: 81-62.7

The Complex Terrain Modeling Program (CTMP)

Author(s): RV Hatcher, BA Egan, TF Lavery, A Bass

Annual Conference: 1981, Vol. 4

Paper ID: 81-62.8

The Use of Heated and Cooled Electrodes for Charging and Collecting High-Resistivity Dust

Author(s): GA Rinard, MD Durham, DE Rugg, LE Sparks

Annual Conference: 1981, Vol. 4

Paper ID: 81-63.3

Electrostatic Stimulation of Fabric Filtration

Author(s): GP Greiner, DA Furlong, DW Van Osdell, LS

Hovis

Annual Conference: 1981, Vol. 4

Paper ID: 81-63.4

Effect of Cyclonic Precleaners on the Performance of Fabric Filters

Author(s): WT Davis, WF Frazier Annual Conference: 1981, Vol. 4

Paper ID: 81-63.5

Bench and Pilot Scale Fabric Filter Cleaning Studies for Fiberglass/Fly Ash Systems

Author(s): KE Noll, WJ Franek, MN Patel

Annual Conference: 1981, Vol. 4

Paper ID: 81-63.6

Limits in Charged Particle Collection by Charged Drops

Author(s): KH Leong, JJ Stukel, PK Hopke

Annual Conference: 1981, Vol. 4

Paper ID: 81-63.7

High Efficiency Collection of Fly Ash in a Parallel Flow, Moving Granular Bed Filter

Author(s): G Sundstrom, D Leith Annual Conference: 1981, Vol. 4

Paper ID: 81-63.8

Identification of Non-Emission Source Related Factors in Sets of Ambient Particulate Data

Author(s): SL Dattner, M Jenks Annual Conference: 1981, Vol. 4

Paper ID: 81-64.1

Quantifying Blast Furnace Cast House Contribution to TSP Using a Unique Receptor Model

Author(s): GS Casuccio, PB Janocko Annual Conference: 1981, Vol. 4

Paper ID: 81-64.2

Investigation of the Sources of Carbonaceous Aerosol in New York City by Multiple Linear Regression

Author(s): JJ Shah, JJ Huntzicker, TJ Kneip, JM Daisey

Annual Conference: 1981, Vol. 4

Paper ID: 81-64.3

An Assessment of Fine Particulate Sources and Their Interaction with Meteorological Influences via Factor Analysis

Author(s): GD Thurston, JD Spengler Annual Conference: 1981, Vol. 4

Paper ID: 81-64.4

Improved Particulate Dispersion Modeling Results: A New Approach Using Chemical Mass Balance

Author(s): PL Hanrahan

Annual Conference: 1981, Vol. 4

Paper ID: 81-64.5

Experimental Field Design for Source/Receptor Apportionment

Author(s): CE Lyons, K Bumiller, I Tomcach

Annual Conference: 1981, Vol. 4

Paper ID: 81-64.6

Cost and Cost Effectiveness of NOx Control in Petroleum Industry Operations

Author(s): SS Cherry, SC Hunter Annual Conference: 1981, Vol. 4

Paper ID: 81-65.1

The Cost of Air Pollution Control Regulations on Thermal Enhanced Oil Recovery in California

Author(s): JF Norton, SN Husband Annual Conference: 1981, Vol. 4

Paper ID: 81-65.2

Air Pollution Damage to Man-Made Materials

Author(s): AR Stankunas, DF Unites, EF McCarthy

Annual Conference: 1981, Vol. 4

Paper ID: 81-65.3

The Office of Air Quality Planning and Standards Benefits Analysis Program

Author(s): AC Basala

Annual Conference: 1981, Vol. 4

Paper ID: 81-65.4

Benefits, Costs and Risks of CFC Controls

Author(s): MJ Bailey

Annual Conference: 1981, Vol. 4

Paper ID: 81-65.5

Quantitative Comparison of the Sources of Uncertainty in the Benefit-Cost Analysis of Air Pollution Control for Stationary

Author(s): MG Ruby

Annual Conference: 1981, Vol. 4

Paper ID: 81-65.6

Heavy Metals from Wastewater Aeratuion Tanks

Author(s): TH Diggs, JO Ledbetter Annual Conference: 1981, Vol. 1

Paper ID: 81-7.1

Errors in Recovered Particle Size Distributions Caused by Impactor Sampling with Bent Nozzles

Author(s): LG Felix, JD McCain Annual Conference: 1981, Vol. 1

Paper ID: 81-7.4

Modeling and Straightening Cyclonic Flows

Author(s): BB Ferguson, WJ Mitchell, JW Reece, JD Sterrett

Annual Conference: 1981, Vol. 1

Paper ID: 81-7.6

Development and Application of a Unique Method for Monitoring Acidic Emissions from Oil-Fired Boilers

Author(s): LN Hottenstein Annual Conference: 1981, Vol. 1

Paper ID: 81-7.7

Oil Burner Retrofit to Save Energy and Reduce Emissions

Author(s): ACS Hayden, RW Braaten Annual Conference: 1981, Vol. 1

Paper ID: 81-8.1

Impact of Residential Woodburning on Ambient Air Quality in a Small New England Village

Author(s): CR Sanborn, GA Heil, R Poirot, MA Blanchet

Annual Conference: 1981, Vol. 1

Paper ID: 81-8.2

An Overview of R&D Programs Being Coordinated by the Inter-Governmental wood Combustion Research Group

Author(s): MC Osborne
Annual Conference: 1981, Vol. 1

Paper ID: 81-8.3

Methanol as a Domestic Heating Fuel

Author(s): ACS Hayden, RW Braaten, E Palmer

Annual Conference: 1981, Vol. 1

Paper ID: 81-8.6

Description and Analysis of Inspection/Maintenance Programs for Oil-Fired Heating Systems in Switzerland and West Germany

Author(s): RW Madler, WR Martin Annual Conference: 1981, Vol. 1

Paper ID: 81-8.7

Arizona Public Service Company The Baghouse Pilot Program

Author(s): E Lewis, J Vaklyes, U Singh, D Osborn

Annual Conference: 1981, Vol. 1

Paper ID: 81-9.1

Characterization of a 10 MW Fabric Filter Pilot Plant

Author(s): RC Carr, WB Smith, KM Cushing

Annual Conference: 1981, Vol. 1

Paper ID: 81-9.2

Construction, Startup and Initial Operation of Baghouse for Shawnee Steam Plant

Author(s): HD Ferguson, JL Golden, TD Womble

Annual Conference: 1981, Vol. 1

Paper ID: 81-9.3

Performance Model for Fabric Filtration: Particle Capture and Collection Efficiency

Author(s): L Theodore, J Reynolds, PS Farber

Annual Conference: 1981, Vol. 1

Paper ID: 81-9.4

Experience with Baghouse for Dry FGD Service

Author(s): HW Spencer, B Brown, YJ Chen

Annual Conference: 1981, Vol. 1

Paper ID: 81-9.5

Atmospheric Fluidized-Bed Combustion (AFBC)

Technology: Problems in the Preparation of Permit Applications and New Source Analysis

Author(s): MP Schmierbach

Annual Conference: 1980, Vol. 2

Paper ID: 80-14.1

Status of Pollution Control Technologies for Industrial Boilers

Author(s): DG Streets, IJ Weisenberg Annual Conference: 1980, Vol. 2

Paper ID: 80-14.4

Field Methodology for the Airborne Sampling of Sulfur Hexafluoride

Author(s): EJ Duplak, RJ Kricks, GN Ward

Annual Conference: 1980, Vol. 2

Paper ID: 80-14.5

Ambient NO, NO2 and O3 Measurements in the Vicinity of TVA's Allen and Paradise Coal-Fired Steam Plants

Author(s): O Huff

Annual Conference: 1980, Vol. 2

Paper ID: 80-14.6

The Impact of Environmental Conditions and Site Specific Factors on TSP Concentrations

Author(s): NT Lee, RV Carter, FP Weatherford

Annual Conference: 1980, Vol. 2

Paper ID: 80-14.7

NOx Emissions from Combustion Sources in the Pulp and Paper Industry

Author(s): KT Hood, RA Miner Annual Conference: 1980, Vol. 2

Paper ID: 80-15.3

Combustion Characteristics and Emissions from Burning Organic Soils

Author(s): CK McMahon, DD Wade, SN Tsoukalas

Annual Conference: 1980, Vol. 2

Paper ID: 80-15.5

Outdoor Noise Analysis with Statistical Techniques

Author(s): MV Eldada

Annual Conference: 1980, Vol. 2

Paper ID: 80-15.6

Regulations for the Chemical Industries: Matching Requirements with Ease of Control

Author(s): LR Ivey

Annual Conference: 1980, Vol. 2

Paper ID: 80-16.2

An Overview of the Background and Development of the Canadian Mercury Chlor-Alkali Air Emission Regulation

Author(s): WH Sullivan

Annual Conference: 1980, Vol. 2

Paper ID: 80-16.3

Coke Oven Gas Desulfurization by the Vacuum Carbonate Process

Author(s): RG Phelps

Annual Conference: 1980, Vol. 2

Paper ID: 80-17.2A

Coke Iven Gas Desulphurization by the Carl Still Process

Author(s): RE Knight

Annual Conference: 1980, Vol. 2

Paper ID: 80-17.2B

Removal of Hydrogen Sulfide from Coke Oven Gas by the Stretford Process

Author(s): JL Ludberg

Annual Conference: 1980, Vol. 2

Paper ID: 80-17.2C

A Steel Works Fugitive Dust Control Program

Author(s): BA Steiner, SL Francis Annual Conference: 1980, Vol. 2

Paper ID: 80-17.3

New Coke Oven Emissions Control System at Lone Star Steel Company

Author(s): LM Cochran, DA Mitchell Annual Conference: 1980, Vol. 2

Paper ID: 80-17.4

Fluoride Evolution from Spent Anodes

Author(s): TA Lowe, RJ Schlager, AR Johnson

Annual Conference: 1980, Vol. 2

Paper ID: 80-18.2

Control of Selenium Emissions at CCR, A Division of Mines Noranda Ltee

Author(s): J Thiriar, P Frattolillo Annual Conference: 1980, Vol. 2

Paper ID: 80-18.3

Industry Efforts to Develop a Dispersion Model for Airborne Effluents from Aluminum Reduction Plants

Author(s): SG Epstein

Annual Conference: 1980, Vol. 2

Paper ID: 80-18.4

Multivariate Estimation and Forecasting of Aggregate Indices of Air Quality: Case Study of Ohio

Author(s): SL Bretschneider, R Carbone, WL Gorr

Annual Conference: 1980, Vol. 2

Paper ID: 80-19.1

Statistical Relationships Between Upstream SO2 Emissions, Wind Speed and Mixing Height and Resultant Rural Sulfate Concentrations

Author(s): PJ Samson

Annual Conference: 1980, Vol. 2

Paper ID: 80-19.2

Remote estimation of Industrial Emissions Using Air Quality Measurements

Author(s): SA Murawski, RL Longini Annual Conference: 1980, Vol. 2

Paper ID: 80-19.3

Adaptive Estimation of Compliance with Short Term Air Quality Standards

Author(s): C Hsu, WL Gorr Annual Conference: 1980, Vol. 2

Paper ID: 80-19.4

Exceedances of Ambient Standards for Total Suspended Particulates: Case Histories of a Large Industrial Source in a Rural Setting

Author(s): KM Morkin

Annual Conference: 1980, Vol. 2

Paper ID: 80-19.5

Measuring SO2: Comparison of Pulse Fluorescence Flame Photometry and West-Gaeke Bubblers

Author(s): PL Kinney, JD Spengler Annual Conference: 1980, Vol. 2

Paper ID: 80-19.6

Selecting a Measurement Technique for Industrial Process Fugitive Emissions

Author(s): HJ Kolnsberg Annual Conference: 1980, Vol. 2

Paper ID: 80-20.2

Air Impact of Fugitive Emissions

Author(s): AJ Chandler, JWS Young Annual Conference: 1980, Vol. 2

Paper ID: 80-20.3

A Review of Traditional and Non-Traditional Techniques for the Control of Fugitive Particulate Emissions

Author(s): JS Kinsey, RL Kerch, JM Zoller

Annual Conference: 1980, Vol. 2

Paper ID: 80-20.4

Regulatory Aspects of Fugitive Emissions

Author(s): RC Westman, OP Ambardar, WR Mura

Annual Conference: 1980, Vol. 2

Paper ID: 80-20.5

Impact of Outer Continental Shelf Development Emissions on the Air Quality of Adjacent Sites

Author(s): MD High, DC Leavengood Annual Conference: 1980, Vol. 2

Paper ID: 80-21.1

Hydrocarbon Emissions During Marine Vessel Transfer Operations

Author(s): TA Hecht

Annual Conference: 1980, Vol. 2

Paper ID: 80-21.2

Atmospheric Chemistry and Computer Modeling of Hydrocarbons in a Marine Environment

Author(s): JS Lague, DA Godden, R Atkinson, AC Lloyd, CL

Kwan

Annual Conference: 1980, Vol. 2

Paper ID: 80-21.5

The Regulation of Tanker Emissions Associated with Marine Terminals

Author(s): J Civins

Annual Conference: 1980, Vol. 2

Paper ID: 80-21.6A

Regulation of Marine emissions-Recent Judicial and Legislative Developments and Current Legal Issues

Author(s): GR KmClintock, BJ Kirwam, SF Rubalcava, LR

Woods

Annual Conference: 1980, Vol. 2

Paper ID: 80-21.6B

Overview of the Health Effects of Shifting Fuel Usage

Author(s): VR Hunt, GJ Rausa, HW McKinnon, JE Rydle

Annual Conference: 1980, Vol. 2

Paper ID: 80-22.1

Some New Results in the Economics of Air Pollution-Induced Chronic Illness

Author(s): TD Crockers

Annual Conference: 1980, Vol. 2

Paper ID: 80-22.2

Particulate Emissions from Wood Burning and the Implications for Health

Author(s): SS Butcher

Annual Conference: 1980, Vol. 2

Paper ID: 80-22.5

Physiologic and Morphologic Effects of Odorants

Author(s): DG Moulton

Annual Conference: 1980, Vol. 2

Paper ID: 80-23.1

Possible Adverse Biological Effects of Odor Pollution

Author(s): WS Cain, BP Leaderer, R Isseroff, RJ Huey

Annual Conference: 1980, Vol. 2

Paper ID: 80-23.2

Public Health Management of Environmental Odors

Author(s): MW First

Annual Conference: 1980, Vol. 2

Paper ID: 80-23.3

Health Impact of Odor Pollution in California Communities

Author(s): JR Goldsmith, M Deane Annual Conference: 1980, Vol. 2

Paper ID: 80-23.6

Long-Range Transport and Deposition of Acidic Substances Across National Boundaries

Author(s): GA McBean

Annual Conference: 1980, Vol. 2

Paper ID: 80-24.1

Acid Precipitation and Vegetation

Author(s): G Robitaille

Annual Conference: 1980, Vol. 2

Paper ID: 80-24.2

Acid Rain: Threat to Sensitive Aquatic Ecosystems

Author(s): TL Crisman, PL Brezonik Annual Conference: 1980, Vol. 2

Paper ID: 80-24.3

Environmental Mediation of Transoboundary Issues

Author(s): RE Stein

Annual Conference: 1980, Vol. 2

Paper ID: 80-24.4

Acid Rain as a Foreign Policy Issue

Author(s): DR King

Annual Conference: 1980, Vol. 2

Paper ID: 80-24.5

North American Energy Policy: Environmental Perspective and Energy Needs

Author(s): PJ Rennie

Annual Conference: 1980, Vol. 2

Paper ID: 80-25.1

North American Energy Policy: Peregrinations of an Ecologist

Author(s): RA Lewis

Annual Conference: 1980, Vol. 2

Paper ID: 80-25.2

Industry, Environmental Quality and North American Energy Policy

Author(s): AJ Chmelauskas Annual Conference: 1980, Vol. 2

Paper ID: 80-25.3

Energy, Policy, Ecosysystems and Public Welfare: The Scientist's Perspective

Author(s): OL Loucks, E Cowling Annual Conference: 1980, Vol. 2

Paper ID: 80-25.4

Field Assessment of Air Pollution Impacts on Growth and Productivity of Crop Species

Author(s): HE Heggestad Annual Conference: 1980, Vol. 2

Paper ID: 80-26.1

Field Surveys of Sulphur Dioxide Injury to Crops and Assessment of Economic Damage

Author(s): EF Haase, GW Morgan, JA Salem

Annual Conference: 1980, Vol. 2

Paper ID: 80-26.2

An Approach for Assessing the Effects of Chronic Long Term Low Concentration SO2 on the Growth and Productivity of Tree Species

Author(s): AH Legge, DR Jaques, M Nosal

Annual Conference: 1980, Vol. 2

Paper ID: 80-26.3

Assessment of Crop Productivity After Chronic Exposure to Ozone or Pollutant Combinations

Author(s): RA Reinert

Annual Conference: 1980, Vol. 2

Paper ID: 80-26.4

The Identification of Asbestos by Electron Microscopy

Author(s): RJ Cheng

Annual Conference: 1980, Vol. 2

Paper ID: 80-27.1

Problems with the Optical Microscopic Identification and Ouantification of Asbestos

Author(s): ER Crutcher

Annual Conference: 1980, Vol. 2

Paper ID: 80-27.4

The Economic Impact of Revised State Fugitive Emission Control Regulations

Author(s): JJ Yates, AW Kleinrath Annual Conference: 1980, Vol. 2

Paper ID: 80-28.3

Operation and Maintenance of Air Pollution Control in Industry

Author(s): CA Sellars

Annual Conference: 1980, Vol. 2

Paper ID: 80-28.4

Capital Costs of Air Pollution Control in the Pulp and Paper Industry

Author(s): WT Lorenz

Annual Conference: 1980, Vol. 2

Paper ID: 80-28.5

Vertical and Horizontal Measurements of Light Scattering Coefficient (Visual Range) in the Shenandoah and Great Smoky Mountain National Parks

Author(s): NT Stephen, TF Albee, JD Moore

Annual Conference: 1980, Vol. 2

Paper ID: 80-29.2

Visibility Modeling of Power Systems Located in Complex

Terrain: A Comparison of Alternative Approaches

Author(s): PJ Haas, AJ Fabrick Annual Conference: 1980, Vol. 2

Paper ID: 80-29.4

Theory for Penetration in a Pulse-Jet Cleaned Fabric Filter

Author(s): D Leith, MJ Ellenbecker Annual Conference: 1980, Vol. 2

Paper ID: 80-30.1

Future Use of Air Pollution Control Equipment on Industrial Boilers

Author(s): M Ardell

Annual Conference: 1980, Vol. 2

Paper ID: 80-30.2

Dust Removal from Non-Woven Fabrics

Author(s): MJ Ellenbecker, D Leith Annual Conference: 1980, Vol. 2

Paper ID: 80-30.3

High-Efficiency Filtration in a Concurrent Moving Granular Bed

Author(s): SH Rudnick, MW First Annual Conference: 1980, Vol. 2

Paper ID: 80-30.5

The Mechanics of Pulse Jet Filtration

Author(s): R Dennis, JE Wilder, DL Harmon

Annual Conference: 1980, Vol. 2

Paper ID: 80-30.6

Removal of Fine Particles Using a Low Energy Scrubbing System

Author(s): M Beerli, M Boulos, M Girodin

Annual Conference: 1980, Vol. 3

Paper ID: 80-31.1

Effect of Throat Length on Pressure Loss in a Venturi Scrubber

Author(s): TJ Overcamp, SR Bowen Annual Conference: 1980, Vol. 3

Paper ID: 80-31.2

Modeling of Venturi Scrubber Performance

Author(s): JW Crowder, tkl Wu, WV Winkle

Annual Conference: 1980, Vol. 3

Paper ID: 80-31.3

Particulate Control on Bark and Bagasse Fired Boilers by Wet Scrubbers

Author(s): NS Balakrishanan, GHS Cheng

Annual Conference: 1980, Vol. 3

Paper ID: 80-31.5

The Integrated Systems Approach to Multi-Emission Regulation

Author(s): KW Malki, DC Borsare Annual Conference: 1980, Vol. 3

Paper ID: 80-31.6

Present Status of the Research Cottrell Pulse Energization System

Author(s): PL Feldman

Annual Conference: 1980, Vol. 3

Paper ID: 80-32.2

Results of High Intensity Ionizer/Precipitator Evaluation Tests at the EPRI Test Facility

Author(s): HW Spencer, D Norman, PC Gelfand, WV Pilulle,

OJ Tassicker

Annual Conference: 1980, Vol. 3

Paper ID: 80-32.3

The Significance of Molecular Free Path on Particle Collection in an Electrostatic Precipitator

Author(s): PS Farber

Annual Conference: 1980, Vol. 3

Paper ID: 80-32.4

Solid Separation in Electrostatic Precipitators: An Experimental Study

Author(s): R Salcedo, RJ Munz Annual Conference: 1980, Vol. 3

Paper ID: 80-32.5

Field Evaluation of the SORI/EPA Precharger Collector System

Author(s): PV Bush, DH Pontius, WB Smith, LE Sparks

Annual Conference: 1980, Vol. 3

Paper ID: 80-32.6

Analysis of an APCA Baghouse Operation ad Maintenance Survey

Author(s): JP Reynolds, L Theodore Annual Conference: 1980, Vol. 3

Paper ID: 80-32.7

Odor Control and Improved Chemical Recovery by Oxidation of Used Pulp Mill Cooking Liquor

Author(s): MA Schlich

Annual Conference: 1980, Vol. 3

Paper ID: 80-34.2

Energy and Solvent Efficiencies of Dual-Carbon Adsorption Facilities

Author(s): RG Wynne, LP Spencer, DE Hughes, KL Stanley

Annual Conference: 1980, Vol. 3

Paper ID: 80-34.3

Optimization of Ventilation Systems for Resource Conservation and Pollution Control

Author(s): LR Ivey

Annual Conference: 1980, Vol. 3

Paper ID: 80-34.4

Regenerable Synthetic Sorbent for Desulfurization in a Fluidized Bed Combustor

Author(s): N Arashi, H Akimoto, Y Hishinuma, F Nakajima,

K Sakamoto

Annual Conference: 1980, Vol. 3

Paper ID: 80-34.5

The Development of a Low NOx Burner for Utility Boilers

Author(s): MN Mansour, LJ Radak, DB Sheppard

Annual Conference: 1980, Vol. 3

Paper ID: 80-34.6

The Potential for Combustion of Carbon Monoxide in Cupola Stack Gases Using Secondary Air Injection

Author(s): RG Hurley, WJ Evans, RC Creese

Annual Conference: 1980, Vol. 3

Paper ID: 80-34.7

The Role of the CSA Committee on Air Pollution Control

Author(s): HP Sanderson, LG Bortolin Annual Conference: 1980, Vol. 3

Paper ID: 80-35.6

PSD Permitting-An Industrial Experience

Author(s): RA McKnight, NO Wagoner

Annual Conference: 1980, Vol. 3

Paper ID: 80-36.1

The Impact of the U.S. Environmental Protection Agency's Proposed Amended Prevention of Significant Deterioration (PSD) Regulations on Power Plant Licensing

Author(s): J Laznow, FJ Mogolesko, NJ Lordi, RC Skalarew

Annual Conference: 1980, Vol. 3

Paper ID: 80-36.3

Environmental Regulatory Requirements and Economic Growth: Offsets, Bubbles and PSD

Author(s): KE Blower

Annual Conference: 1980, Vol. 3

Paper ID: 80-36.5

Air Pollution Regulations and the Natural Gas Gathering and Processing Industry

Author(s): DJ Dowial

Annual Conference: 1980, Vol. 3

Paper ID: 80-36.6

Motor Vehicle and Land-Use Energy Consumption Procedures

Author(s): V Bhatia, M Kaplan Annual Conference: 1980, Vol. 3

Paper ID: 80-37.2

Field Correlation of TSP Data from a Continuous Particulate Monitor and High Volume Air Samples

Author(s): RL Swinford, DJ Kolaz Annual Conference: 1980, Vol. 3

Paper ID: 80-38.3

Mercury in Ambient Air

Author(s): MC Bedard, GJ Pelletier, F Frantisak

Annual Conference: 1980, Vol. 3

Paper ID: 80-38.4

an Automated Gas Chromatographic System for Measuring Ambient Hydrocarbons at Sub-Part-Per-Billion Concentrations

Author(s): MA Ferman

Annual Conference: 1980, Vol. 3

Paper ID: 80-39.2

A Cooperative Industry Environmental Survey Organization: Twenty Years of Constructive Operative

Author(s): YA Miron, L Piche Annual Conference: 1980, Vol. 3

Paper ID: 80-39.3

A Continuous Sampling and Analysis System for Monitoring Methane Fluxes from Soil and Water Surfaces to the Atmosphere

Author(s): DI Sebacher, RC Harriss Annual Conference: 1980, Vol. 3

Paper ID: 80-39.4

Ambient Ozone and Hydrocarbon Measurements in the Houston Urban Plume

Author(s): K Sexton, H Westberg Annual Conference: 1980, Vol. 3

Paper ID: 80-39.5

A Study of Compressor Station NOx Emissions

Author(s): IL Bilsky, JE Cunningham, JB Draper

Annual Conference: 1980, Vol. 3

Paper ID: 80-39.6

Field Measurements of N2O Release Rates from Soils

Author(s): W Seiler, R Conrad Annual Conference: 1980, Vol. 3

Paper ID: 80-39.7

Ambient Air Analysis of Inorganic Acids and Elemental Halogens by Atmospheric Pressure Chemical Ionization

Author(s): WR Davidson, S Nacson, DA Lane, BA Thomson

Annual Conference: 1980, Vol. 3

Paper ID: 80-39.8

Micrometeorological Profiles of Sulfur-Containing Particles

Author(s): JG Droppo

Annual Conference: 1980, Vol. 3

Paper ID: 80-40.1

Gaseous Sulfur Release from a Salt Marsh

Author(s): PA Steudler, BJ Peterson Annual Conference: 1980, Vol. 3

Paper ID: 80-40.3

The Effect of Moisture on the Release of Biogenic Sulfur Compounds

Author(s): VP Aneja, JT Overton, AP Aneja

Annual Conference: 1980, Vol. 3

Paper ID: 80-40.4

Biogenic Sulfur Gas Emissions from Soils in Eastern and Southeastern United States

Author(s): DF Adams, SO Farwell, E Robinson, MR Pack

Annual Conference: 1980, Vol. 3

Paper ID: 80-40.5

Sulfur Measurements-Southeastern United States

Author(s): LM Reisinger, TL Crawford Annual Conference: 1980, Vol. 3

Paper ID: 80-40.6

Identification of Odorous Compounds in Emission from Municipal Sewage Plants by GC-MS

Author(s): A Zeman, H Hagenguth Annual Conference: 1980, Vol. 3

Paper ID: 80-40.7

Evaluation of a Volatile Organic Carbon Analyzer for Measuring Stack Emissions

Author(s): gw Scheil, FJ Bergman Annual Conference: 1980, Vol. 3

Paper ID: 80-41.1

Intercomparison of the Total Carbon Analysis Flame Ionization Detection and Gas Chromatographic Methods for Measuring Solvent Vapor Emissions

Author(s): TL Riley, RS Marano, E Chladek, JH Hoggett, SP

Levine, JM Reinke, RW Devlin Annual Conference: 1980, Vol. 3

Paper ID: 80-41.2

Stack Sampling of Organic Compounds, Application to the Measurements of Pollution Control Devices Efficiency

Author(s): S Allie, R Ranchoux Annual Conference: 1980, Vol. 3

Paper ID: 80-41.3

Determination of SO2 Emission from a Degester Using a Sulfite Process

Author(s): PM Chaine, A Lajoie, J Lavergne

Annual Conference: 1980, Vol. 3

Paper ID: 80-41.4

Development of a Sulfur Trioxide Detector

Author(s): A Chamberland, A Belanger Annual Conference: 1980, Vol. 3

Paper ID: 80-41.5

Continuous Emission Monitoring in the Electric Utility Industry

Author(s): RL Roberson, MF Massoglia, MA Trykoski, LR

Paley

Annual Conference: 1980, Vol. 3

Paper ID: 80-42.1

Performance Specification Testing as Experienced by the Tennessee Valley Authority

Author(s): SG Gipson, DW Tapley, JR Hyatt

Annual Conference: 1980, Vol. 3

Paper ID: 80-42.2

Use of Precalibrated Optical Density Filters in the In-Situ Calibration of Opacity Monitors

Author(s): JB Cohen, RC Ross Annual Conference: 1980, Vol. 3

Paper ID: 80-42.4

Real Time, In Situ Measurements

Author(s): WE Farthing, RG Knollenberg

Annual Conference: 1980, Vol. 3

Paper ID: 80-42.5

Precision and Accuracy Data from State and Local Air Monitoring Networks: Meaning and Usefulness

Author(s): RC Rhodes

Annual Conference: 1980, Vol. 3

Paper ID: 80-43.1

Development of a Performance Audit System for Ambient Air Quality Field Calibration

Author(s): EJ Burke, VR Deyo, PF Stenberg

Annual Conference: 1980, Vol. 3

Paper ID: 80-43.2

Guidelines for Implementing a Quality Cost Systems for Environmental Monitoring Programs

Author(s): RB Strong, JH White, F Smith, RC Rhodes

Annual Conference: 1980, Vol. 3

Paper ID: 80-43.3

Comparison of Hi-Vol, Dichotomous and Cyclone Samplers in Four U.S. Cities

Author(s): JD Spengler, WA Turner, DW Dockery

Annual Conference: 1980, Vol. 3

Paper ID: 80-43.4

Validation of TVA Total Suspended Particulate Data

Author(s): DA Humpris, DW Clement Annual Conference: 1980, Vol. 3

Paper ID: 80-43.5

A Programmable Automatic Calibrator for Gas Analyzers

Author(s): FB Brown, TE Hoffer, EC Ellis

Annual Conference: 1980, Vol. 3

Paper ID: 80-43.6

A Review of Techniques Used at CSU to Investigate Transport and Dispersion in Colorado Mountains

Author(s): EE Hindman, PA Walsh, vh Leverson.KP Tan, RA

Rilling, RD Borvs

Annual Conference: 1980, Vol. 3

Paper ID: 80-44.2

Quantification of SO2 Plume Rise with a Remote Sensor: Comparison of Field Measurements with Model Predictions

Author(s): GM Klauber, MD Mazaika, WM Vaughan

Annual Conference: 1980, Vol. 3

Paper ID: 80-44.3

An Air Quality Program Designed to Evaluate Remote Sensors

Author(s): GL Gregory, DS McDougal, HS Wagner

Annual Conference: 1980, Vol. 3

Paper ID: 80-44.5

Operational Procedures for Improved Data Quality for Airborne In-Situ Monitors

Author(s): JH White, JB Tommerdahl, RB Strong, ML Saeger

Annual Conference: 1980, Vol. 3

Paper ID: 80-44.6

PSD: A Close Look at the Continuing Controversy

Author(s): MR Deland, SE Gaines Annual Conference: 1980, Vol. 3

Paper ID: 80-45.1

Ground Level Concentration from a TI Programmable 59

Author(s): RE Raymond

Annual Conference: 1980, Vol. 4

Paper ID: 80-46.1

Development of an Inspection and Monitoring Strategy for Grain Elevators

Author(s): D Wallace, A Trenhom, RL King, V Ramanthan

Annual Conference: 1980, Vol. 4

Paper ID: 80-46.2

Enforcement of the Federal Asbestos Mining and Milling Emission Standards in Quebec

Author(s): R Brulotte, A Bernier Annual Conference: 1980, Vol. 4

Paper ID: 80-46.3

Emission Allocation: A Tool for Air Quality Planning and Implementation of Reasonable Further Process

Author(s): J Bush, J Lyders Annual Conference: 1980, Vol. 4

Paper ID: 80-46.4

Enforcement of Emission Regulations for the Gasoline Marketing Chain

Author(s): HR Winslow, RL Goen, RA Ferguson, RL Hays, P

Quarles

Annual Conference: 1980, Vol. 4

Paper ID: 80-46.6

Truck Noise and How it Varies with Environmental Changes

Author(s): JA Groening, RN Baker, P Saha, JF Hemdal

Annual Conference: 1980, Vol. 4

Paper ID: 80-47.2

Noise Parameters for Urban Railroad Relocation

Author(s): RB Jacko, J Bedoya Annual Conference: 1980, Vol. 4

Paper ID: 80-47.3

Simplified Measurement of Light Vehicle Exhaust Noise

Author(s): RK Hillquist

Annual Conference: 1980, Vol. 4

Paper ID: 80-47.4

The Automobile as a Component of Community Noise

Author(s): AE Marshall

Annual Conference: 1980, Vol. 4

Paper ID: 80-47.5

Noise Impact Expected from Railroad Mergers and Acquisitions

Author(s): SR Albersheim Annual Conference: 1980, Vol. 4

Paper ID: 80-47.6

Methods for Identifying and Quantifying Industrial Process Fugitive Particulate Emissions

Author(s): EJ Sabo

Annual Conference: 1980, Vol. 4

Paper ID: 80-48.1

Estimating the Cost of State Emission Inventory Activities

Author(s): M Senew, T Donaldson Annual Conference: 1980, Vol. 4

Paper ID: 80-48.2

Improving Emission Inventory Quality: A QA/QC Approach

Author(s): R Bradley, H Taback, J Stredler

Annual Conference: 1980, Vol. 4

Paper ID: 80-48.3

Emissions Inventory Needs Identification and System Design

Author(s): JP Gise, DE Perry Annual Conference: 1980, Vol. 4

Paper ID: 80-48.6

New Bicomponent Fiber Bed Offers Performance Breakthrough in Aerosol Control

Author(s): TM Moran

Annual Conference: 1980, Vol. 4

Paper ID: 80-49.1

Particle Trajectory Studies in a Scale Model Electrostatic Precipitator

Author(s): BE Pyle, DH Pontius, TR Snyder, LE Sparks

Annual Conference: 1980, Vol. 4

Paper ID: 80-49.2

Aerosol Filtration by a Concurrent Moving Granular Bed: Penetration Mechanisms

Author(s): TW Kalinowski, D Leith Annual Conference: 1980, Vol. 4

Paper ID: 80-49.3

HCL in Rocket Exhaust Clouds: Atmospheric Dispersion, Acid Aerosol Characteristics and Acid Rain Deposition

 ${\sf Author}(s) \hbox{: GL Pellett, DL Sebacher, RJ Bendura, DE Wornom}$

Annual Conference: 1980, Vol. 4

Paper ID: 80-49.6

Smog Chamber Studies of the Reactivity of Volatile Organic Compounds

Author(s): JE Sickles, RS Wright, CR Sutcliffe, AL Blackard,

DP Davton

Annual Conference: 1980, Vol. 4

Paper ID: 80-50.1

Organic Aerosol Formation Mechanisms-A Smog Chamber Study

Author(s): DL Fox, MW Gery, HE Jeffries

Annual Conference: 1980, Vol. 4

Paper ID: 80-50.2

Photochemical Gas-to-Particle Conversion in Filtered Combustion Gases

Author(s): WH Benner, P Urone Annual Conference: 1980, Vol. 4

Paper ID: 80-50.3

Measurements of Aldehydes in the Air Environment

Author(s): D Grosjean, K Fung, R Atkinson

Annual Conference: 1980, Vol. 4

Paper ID: 80-50.4

Atmospheric Oxidation of Flue Gases from Coal-Fired Power Plants-A Comparison Between Conventional and Scrubbed Plumes

Author(s): JF Meagher, L Stockburger, RJ Bonanno, EM

Bailey, M Lunmia

Annual Conference: 1980, Vol. 4

Paper ID: 80-51.1

Gas to Particle Conversion in Urban Plumes

Author(s): AJ Alkezweeny Annual Conference: 1980, Vol. 4

Paper ID: 80-51.2

The Seasonal Levels and Origin or SO2 and SO4 in New York City

Author(s): PJ Lioy, MT Morandi Annual Conference: 1980, Vol. 4

Paper ID: 80-51.3

Patterns and Causes of High NO2 Concentrations in California

Author(s): JR Martinez, KC Nitz Annual Conference: 1980, Vol. 4

Paper ID: 80-51.4

Transport of Ozone and Precursors into Philadelphia, Pennsylvania

Author(s): DW Allard, MW Chan Annual Conference: 1980, Vol. 4

Paper ID: 80-51.6

The Use of Photochemical Models in the Development of State Implementation Plans

Author(s): RY Wada, SD Reynolds, LE Reid, RE DeMandel,

WH Duewer, J Summerhays Annual Conference: 1980, Vol. 4

Paper ID: 80-52.1

Effects of Increasing VOC Speciation in a Photochemical Oxidant Simulation Model

Author(s): KW Wilson, GY Lowe, LG Wayne

Annual Conference: 1980, Vol. 4

Paper ID: 80-52.3

Analysis of Precipitation Measurements in the Vicinity of a Nickel Smelter

Author(s): CU Ro, WH Chan, MA Lusis, RJ Vet

Annual Conference: 1980, Vol. 4

Paper ID: 80-52.4B

Precipitation Quality in Northwest Quebec-Canada

Author(s): F Frantisak, GH Pelletier, M Bedard, G Castonguay

Annual Conference: 1980, Vol. 4

Paper ID: 80-52.5

The Impact of Day-Old Smog on Fresh Smog Systems

Author(s): RM Kamens, HE Jeffries, KG Sexton, RW Wiener

Annual Conference: 1980, Vol. 4

Paper ID: 80-52.6

A Sulfur Dioxide Modeling Comparison Study in the Rough Terrain of Northern New Hampshire Near a Paper Mill

Author(s): DA Corkum, JW Bradstreet, EL Hanson, RH

Danforth

Annual Conference: 1980, Vol. 4

Paper ID: 80-53..3

Modeling of Ozone Deposition Velocity

Author(s): MP Chockalingham, E Robinson

Annual Conference: 1980, Vol. 4

Paper ID: 80-53.1

Plume Segment, Puff, Particle-in-Cell and Straight Line Modeling: A Comparative Analysis

Author(s): RL Eriksen, RR Bushey Annual Conference: 1980, Vol. 4

Paper ID: 80-53.2

Inadequacies of Meteorological Data Requirements and Associated Model Output for the EPA CRSTER Model

Author(s): JG Moldovan Annual Conference: 1980, Vol. 4

Paper ID: 80-53.4

Dispersion Model for Montreal East Development and Validation

Author(s): B Weisman, MT Schlotz Annual Conference: 1980, Vol. 4

Paper ID: 80-53.5

The EPRI Plume Model Validation Program

Author(s): NE Bowne, GR Hilst Annual Conference: 1980, Vol. 4

Paper ID: 80-53.6

The Location and Magnitude of Maximum Short-Term Ground Level Impacts of Effluents from Tall Stacks

Author(s): DA Trout

Annual Conference: 1980, Vol. 4

Paper ID: 80-53.7

AN Initial Evaluation of Transboundary Transport of Pollutants and Wet Deposition Between the Eastern United States and Canada

Author(s): BL Niemann

Annual Conference: 1980, Vol. 4

Paper ID: 80-54.1

Long Range Transport of Sulphur Dioxide

Author(s): RE Fleming

Annual Conference: 1980, Vol. 4

Paper ID: 80-54.2

The Urban Downwind Ozone Problem

Author(s): EK Kauper, CR Noddings Annual Conference: 1980, Vol. 4

Paper ID: 80-54.3

An Objective Technique for Determining the Upstream SO2 Emissions Burden for Long-Range Transport Studies of Atmospheric Sulfate

Author(s): PJ Samson

Annual Conference: 1980, Vol. 4

Paper ID: 80-54.4

Time Series Comparisons of Regional Model Predictions with Sulfur Oxide Observations from the SURE Program

Author(s): DJ McNaughton Annual Conference: 1980, Vol. 4

Paper ID: 80-54.5

Long Range Transport Model for Sulphur

Author(s): B Weisman

Annual Conference: 1980, Vol. 4

Paper ID: 80-54.6

Impact of Climate and Energy and the CO2 Problem

Author(s): H Moses

Annual Conference: 1980, Vol. 4

Paper ID: 80-55.1

Studies of Plume Rise During Neutral and Stable Conditions in Canada

Author(s): H Whaley, GK Lee Annual Conference: 1980, Vol. 4

Paper ID: 80-55.2

SF6 Validation Tests of Atmospheric Dispersion from Natural Gas Compressor Stations

Author(s): MD High, JK Allison, TA Peters

Annual Conference: 1980, Vol. 4

Paper ID: 80-55.3

A Model for Predicting Air Movement and Dispersion in a Complex Valley

Author(s): MT Scholtz, B Weisman Annual Conference: 1980, Vol. 4

Paper ID: 80-55.4

The Elevation of Stable Atmosphere Plumes Above a Ridge

Author(s): RD Rowe, CZ Lee, JJ Havlena

Annual Conference: 1980, Vol. 4

Paper ID: 80-55.5

Verification of a Shortline Dispersion Model for Continuous **Fumigation**

Author(s): PK Misra

Annual Conference: 1980, Vol. 4

Paper ID: 80-55.6

Meteorological and Pollutant Influences on Total and Respirable Sulfate Levels: A Multivariate Statistical Analysis

Author(s): GD Thurston, JD Spengler Annual Conference: 1980, Vol. 4

Paper ID: 80-56.2

Atmospheric Trajectory and Diffusion Estimates by Pillow Balloon Flights in the Pine River Valley

Author(s): WA Murray

Annual Conference: 1980, Vol. 4

Paper ID: 80-56.5

Relationships Between Sulphur Dioxide Pollution and Meteorological Factors in Montreal

Author(s): R Cleroux, R Roy, A Robert Annual Conference: 1980, Vol. 4

Paper ID: 80-56.6

Determination of Physically Realistic Mixing Heights Over Rural Terrain

Author(s): AD Goldman

Annual Conference: 1980, Vol. 4

Paper ID: 80-56.7

Air Quality Constraints for the Siting of Multiple Power **Plants**

Author(s): MT Mills, R Caiazza, DD Hergert, LF Smith

Annual Conference: 1980, Vol. 4

Paper ID: 80-56.8

U.S. EPA Report to Congress on Odors: Summary

Author(s): DK Berry

Annual Conference: 1980, Vol. 4

Paper ID: 80-57.1

Odor Complaints-USA Survey of State and Local Agencies

Author(s): DM Benforado, JA Frazier Annual Conference: 1980, Vol. 4

Paper ID: 80-57.3

Experience with the Bay Area Odor Regulation

Author(s): M Feldstein, HF Brinkley Annual Conference: 1980, Vol. 4

Paper ID: 80-57.4

Characterization of the Denver Aerosol Between December 1978 and December 1979

Author(s): WJ Courtney, JW Tesch, RK Stevens, TG Dzubay

Annual Conference: 1980, Vol. 5

Paper ID: 80-58.1

Denver Aerosol-A Comprehensive Chemical Characterization

Author(s): RJ Countess, GT Wolff, SH Cadle

Annual Conference: 1980, Vol. 5

Paper ID: 80-58.2

The Nature of the Denver Haze in November and December of 1978

Author(s): SL Heisler, RC Henry, J Collins

Annual Conference: 1980, Vol. 5

Paper ID: 80-58.3

The Design of the Denver "Brown Cloud" Study

Author(s): GT Wolff, RJ Groblicki, RJ Countess, MA Ferman

Annual Conference: 1980, Vol. 5

Paper ID: 80-58.4

The Color of Denver Haze

Author(s): AP Waggoner, RE Weiss Annual Conference: 1980, Vol. 5

Paper ID: 80-58.5

The Sources of the Denver Haze in November and December

Author(s): SL Heisler, RC Henry, JG Watson

Annual Conference: 1980, Vol. 5

Paper ID: 80-58.6

Air Quality Studies in the Tar Sands Development Area

Author(s): A Kumar, AW Fedenheuer Annual Conference: 1980, Vol. 5

Paper ID: 80-59.1

Application of Slipstreamed Air Pollution Control Devices on Waste-as-Fuel Processes

Author(s): DN Albrick, JM Bruck, FD Hall, RA Olexsey

Annual Conference: 1980, Vol. 5

Paper ID: 80-59.2

Evaluation of Particulate Control Devices for Magnetohydrodynamic Power Plants

Author(s): CM Powers, BJ Schlenger, PS Farber

Annual Conference: 1980, Vol. 5

Paper ID: 80-59.3

Coal Based Industrial Fuels Assessment

Author(s): RS Bennett, HJ Takach, WH Seward, RS

Opalanko, KE Wilzbach Annual Conference: 1980, Vol. 5

Paper ID: 80-59.4

Optimizing NOx Control in Energy Efficient Industrial Systems

Author(s): RC Bojko, RP Mattis Annual Conference: 1980, Vol. 5

Paper ID: 80-59.5

Source Analysis Modeling of Conventional and Pressurized Fluidized Bed Power Plants

Author(s): JG Stevens, H Shaw Annual Conference: 1980, Vol. 5

Paper ID: 80-59.6

Technical and Economic Evaluations of NOx Control Technology

Author(s): JD Maxwell, TA Burnett Annual Conference: 1980, Vol. 5

Paper ID: 80-60.1

Development of Contingency Plan for Emergency Fuel Shortages-The Northeast Region of the U.S.

Author(s): FP Fairchild, DA Tudor, MS Hohman, SJ Simon

Annual Conference: 1980, Vol. 5

Paper ID: 80-60.3

Economic and Energy Impact of Fly-Ash Control Systems for Coal-Fired Power Plants-A Mathematical Model

Author(s): V Ramanathan, S Reigel, P Gorman, P Reider

Annual Conference: 1980, Vol. 5

Paper ID: 80-60.5

The Impact of Reduced Ventilation on Indoor Air Quality in Residential Buildings

Author(s): JV Berk, CD Hollowell, JH Pepper, RA Young

Annual Conference: 1980, Vol. 5

Paper ID: 80-61.1

Total Human Exposure to Air Pollution

Author(s): JL Repace, WR Ott, LA Wallace

Annual Conference: 1980, Vol. 5

Paper ID: 80-61.1

Indoor Air Quality Characteristics of the Office Environment

Author(s): DJ Moschandreas, J Zabransky, DJ Pelton

Annual Conference: 1980, Vol. 5

Paper ID: 80-61.2

Odor/Ventilation Relationships in Public Buildings

Author(s): RA Duffee, PR Jann, RD Flesh, WS Cain

Annual Conference: 1980, Vol. 5

Paper ID: 80-61.3

Relationships Among Personal, Indoor and Outdoor NO2 Measurements

Author(s): DW Dockery, JD Spengler, MP Reed, J Ware

Annual Conference: 1980, Vol. 5

Paper ID: 80-61.5A

Personal Exposures to Respirable Particles

Author(s): JD Spengler, DW Dockery, MP Reed, T Tosteson,

P Sullivan

Annual Conference: 1980, Vol. 5

Paper ID: 80-61.5A

Air Pollution in the Aburra Valley, Colombia

Author(s): J Bedoya, E Bedoya Annual Conference: 1980, Vol. 5

Paper ID: 80-62.1

Ambient Ozone Measurements in Norway, 1975-1979

Author(s): J Schjoldager

Annual Conference: 1980, Vol. 5

Paper ID: 80-62.2

Continuous Ammonia Gas Monitor fro Ambient Air

Author(s): T Tanaka, Y Sugiyama, Y Hirose, S Kochiwa

Annual Conference: 1980, Vol. 5

Paper ID: 80-62.4

Physical Model of Dust Cake Filtration Process

Author(s): JR Koscianowski, L Koscianowska, E

Szczepankieicz

Annual Conference: 1980, Vol. 5

Paper ID: 80-62.5

Cupola /Emission Control by R/C Scrubbing

Author(s): R Chmiewlewski, S Calvert, J Abbott, D Harmon

Annual Conference: 1980, Vol. 5

Paper ID: 80-66.1

Volatilized Lubricant Emissions from Steel Rolling Operations

Author(s): C Mackus, K Joshi Annual Conference: 1980, Vol. 5

Paper ID: 80-66.3

Particulate Emissions from By-Product Coke Oven Battery Stacks

Author(s): PG Gorman, A Trenholm Annual Conference: 1980, Vol. 5

Paper ID: 80-66.4

Paper ID: 80-66.5

Solving Fume Control and Ventilation Problems for an Electric Meltshop

Author(s): HD Goodfellow Annual Conference: 1980, Vol. 5

Trace Metals in Particulate Around the Afton Copper Smelter

Author(s): JD Robertson Annual Conference: 1980, Vol. 5

Paper ID: 80-67.1

Size Distribution and Emission Rate Measurements of Metals and Sulfates within a Smelter Plume

Author(s): RJ Vet, GB Skelton, WH Chan, MA Lusis

Annual Conference: 1980, Vol. 5

Paper ID: 80-67.2

Sulfur Dioxide Emissions from Primary Copper Smelters in the Western U.S.

Author(s): CA Mangeng, RW Mead Annual Conference: 1980, Vol. 5

Paper ID: 80-67.3

The Corrosion Rates of Metals Exposed to Pulp-Mill and Smelter Emissions

Author(s): MS Kotturi

Annual Conference: 1980, Vol. 5

Paper ID: 80-67.4

Utah Copper Division Smelter Emission Control

Author(s): RJ Heaney

Annual Conference: 1980, Vol. 5

Paper ID: 80-67.5

NSO-A Clean Air Reality

Author(s): DC Ridinger

Annual Conference: 1980, Vol. 5

Paper ID: 80-67.6

American Copper Smelting: Cost Versus Sulfur Emission

Author(s): AC Dorenfeld, JW Sheldon, RC Sheldon

Annual Conference: 1980, Vol. 5

Paper ID: 80-67.7

Development of a Model for Emission and Dispersion of Fugitive Dust from Coal-Storage Facilities

Author(s): RC Wells, HM Ellis, J Flickinger

Annual Conference: 1980, Vol. 5

Paper ID: 80-68.1

Fugitive Hydrocarbon Emissions from an In Situ Oil Shale Retort

Author(s): DR Tieney, GM Rinaldi Annual Conference: 1980, Vol. 5

Paper ID: 80-68.10

A Physical Modeling Approach to the Solution of Fugitive Emission Problems

Author(s): AE Davies

Annual Conference: 1980, Vol. 5

Paper ID: 80-68.11

Fugitive Dust Levels from Stone Crushers

Author(s): RA Wachter

Annual Conference: 1980, Vol. 5

Paper ID: 80-68.2

Experimental Studies of Resuspension from Various Environmental Surfaces

Author(s): DW Reynolds

Annual Conference: 1980, Vol. 5

Paper ID: 80-68.4

Spray Charging and Trapping Scrubber for Fugitive Particle Emission Control

Author(s): SC Yung, J Curran, R Parker, S Calvert

Annual Conference: 1980, Vol. 5

Paper ID: 80-68.6

Fugitive Particulate Emission Regulation Development in Michigan-An Industrial Perspective

Author(s): MF Whitehead Annual Conference: 1980, Vol. 5

Paper ID: 80-68.7

Emission Estimation of Hazardous Organic Compounds from Waste Disposal Sites

Author(s): TT Shen

Annual Conference: 1980, Vol. 5

Paper ID: 80-68.8

A Fugitive Emission Study in a Petrochemical Manufacturing Unit

Author(s): KC Lee, JL Hansen, GM Whipple

Annual Conference: 1980, Vol. 5

Paper ID: 80-68.9

Issues Regarding the Role of Natural Organics in Photochemical Air Pollution

Author(s): B Dimitriades

Annual Conference: 1980, Vol. 5

Paper ID: 80-69.1

Natural Organic Emissions and Their Impact on Air Quality

Author(s): DL Flyckt, HH Westberg, MW Holdren

Annual Conference: 1980, Vol. 5

Paper ID: 80-69.2

Measurements of Isoprene Fluxes from a Northeastern Deciduous Forest

Author(s): T Quarles, B Lamb, E Robinson

Annual Conference: 1980, Vol. 5

Paper ID: 80-69.3

The Ocean as a Source of Higher Atmospheric N-Alkanes

Author(s): JH Hahn, G Ketseridis, G Schebeske

Annual Conference: 1980, Vol. 5

Paper ID: 80-69.4

Nitrous Oxide Emissions from Drained Cultivated Organic Soils of South Florida

Author(s): RE Terry, RL Tate, JM Duxbury

Annual Conference: 1980, Vol. 5

Paper ID: 80-69.5

Natural and Fertilizer Induced Emissions of Nitrous Oxide from Soils

Author(s): JM Bremner, AM Blackmer Annual Conference: 1980, Vol. 5

Paper ID: 80-69.6

Agency Use of Continuous Emission Monitoring Data to Ensure Stationary Source Achievement of Emission Reductions

Author(s): LR Paley

Annual Conference: 1980, Vol. 5

Paper ID: 80-70.1

Application and Results of Quality Assurance (QA) Audits and Other Novel Techniques to Continuous Emission Monitor (CEM) Programs

Author(s): JR Floyd

Annual Conference: 1980, Vol. 5

Paper ID: 80-70.3

Using Continuous Emission Monitoring to Document Continuing Compliance

Author(s): GV Hellwig

Annual Conference: 1980, Vol. 5

Paper ID: 80-70.4

Recent Trends in Carbon Monoxide Air Quality and Emissions in the San Francisco Bay Area

Author(s): RE DeMandel, MY Kim, BA Okin, TY Wada

Annual Conference: 1980, Vol. 5

Paper ID: 80-71.1

Atmospheric Wet/Dry Deposition: Measurement and Sampling Variability

Author(s): WJ Parkhurst, RM Bittman, JM Kelly

Annual Conference: 1980, Vol. 5

Paper ID: 80-71.2

Acid Deposition Measurements in the Northeastern U.S.A.

Author(s): ER Altwicker, AH Johannes, NL Clesceri

Annual Conference: 1980, Vol. 5

Paper ID: 80-71.3

Extreme Values of Weibull and Lognormal Distributions Fitted to Ambient Air Quality Data

Author(s): TR Johnson, MJ Symons Annual Conference: 1980, Vol. 5

Paper ID: 80-71.4

Identifying Major Sources of Particulate Matter in the Ambient Air Through the Use of Factor Analysis

Author(s): JA Throgmorton Annual Conference: 1980, Vol. 5

Paper ID: 80-71.5

Defining Minimum Detection Limits by Use of the Minimum Detectable Mean

Author(s): SL Dattner, M Jenks Annual Conference: 1980, Vol. 5

Paper ID: 80-71.6

Sudbury Environmental Study: An Overview

Author(s): WH Chan, MA Lusis, RJ Vet

Annual Conference: 1980, Vol. 4

Paper ID: 82-52.4A

A New Concept for the Control of Urban Inhalable Particulate by the Use of Charged Fog

Author(s): JS Kinsey, CE Lyons, SA Hoenig, D Dremel

Annual Conference: 1980, Vol. 5

Paper ID: 82-68.5

The Impact of Increased Electrification on Air Quality

Author(s): OP Hall

Annual Conference: 1979, Vol. 1

Paper ID: 79-1.1

Air Quality Impacts of Selected Emerging Energy Technologies

Author(s): CR Toussaint, LC Goldell Annual Conference: 1979, Vol. 1

Paper ID: 79-1.2

Air Quality Constraints on the Siting of Coal Fires Power Plants in the Ohio River Valley

Author(s): RK Raufer

Annual Conference: 1979, Vol. 1

Paper ID: 79-1.5

Advantages and Disadvantages of Industrial Cogeneration as Compared to Central Power Stations

Author(s): PH Woods, BT Delaney, TS Sekulic

Annual Conference: 1979, Vol. 1

Paper ID: 79-1.6

A Survey of Coal Conversion Legislation

Author(s): HG Bergman
Annual Conference: 1979, Vol. 1

Paper ID: 79-1.7

Predictive Model on the Time-Temperature Requirements for Thermal Destruction of Dilute Organic Vapors

Author(s): KC Lee, JL Hansen, DC Macauley

Annual Conference: 1979, Vol. 1

Paper ID: 79-10.1

Organic Emissions from Stationary Sources-IV, Analytical Techniques for the Evaluation of Low Temperature Oxidation Catalysts for the Abatement of Enamel Paint Bake Oven Emissions

Author(s): SP Levine, RT Stordeur, CM Stordeur, D

Schuetzle, JS Hammond, J Nasea Annual Conference: 1979, Vol. 1

Paper ID: 79-10.2

The Use of Molten Salts in Emission Control

Author(s): J Greenberg

Annual Conference: 1979, Vol. 1

Paper ID: 79-10.4

The Thermal Decomposition Analytical System (TDAS): Its Development and Application

Author(s): RA Carnes, WA Rubey, JA Mescher, DS Duvall

Annual Conference: 1979, Vol. 1

Paper ID: 79-10.5

Energy Needs for Adsorption, Combustion and Condensation of Organic Vapors

Author(s): LR Ivey

Annual Conference: 1979, Vol. 1

Paper ID: 79-10.6

Development of Emission Factors for Wind Erosion of Aggregate Storage Piles

Author(s): C Cowherd, T Cuscino, DA Gillette

Annual Conference: 1979, Vol. 1

Paper ID: 79-11.1

Windblown Fugitive Particle Emissions from Storage Piles

Author(s): Y Lee, JW Wilson Annual Conference: 1979, Vol. 1

Paper ID: 79-11.2

Development of a Fugitive Assessment Sampling Train for Particulate and Organic Fugitive Emissions

Author(s): HJ Kolnsberg, RL Severance Annual Conference: 1979, Vol. 1

Paper ID: 79-11.3

Fugitive Emission from Coal-Fired Power Plant

Author(s): EL Currier, BD Neal Annual Conference: 1979, Vol. 1

Paper ID: 79-11.4

An Assessment of Non-Traditional Fugitive Emission Contributions to Ambient Air Quality at Selected Monitoring Stations on Allegheny County, Pennsylvania

Author(s): M Kirshner, A Roffman, CL Norton

Annual Conference: 1979, Vol. 1

Paper ID: 79-11.5

The Clean Air Act +9

Author(s): M Feinstein

Annual Conference: 1979, Vol. 1

Paper ID: 79-12.1

Priorities for New Source Performance Standards Under the Clean Air Act Amendments of 1977

Author(s): MR Monarch, RR Cirillo, BH Cho, GA Concaildi,

AE Smith, EP Levine, KL Brubaker Annual Conference: 1979, Vol. 1

Paper ID: 79-12.2

Critical Inconsistencies Between the Official U.S. EPA Rural Versions of the CRSTER and RAM Diffusion Models

Author(s): JR Martinez, KC Nitz Annual Conference: 1979, Vol. 1

Paper ID: 79-12.3

A Graphical Procedure for Screening and Analyzing High NO2 Concentrations

Author(s): HG Richter, EL Meyer, DH Sennett

Annual Conference: 1979, Vol. 1

Paper ID: 79-12.4

Effects of Pending NO2 Short-Term Ambient Standard on Industrial Growth

Author(s): JG Cosmas, GS Lipka Annual Conference: 1979, Vol. 1

Paper ID: 79-12.5

Effects on Vegetation by Power Plant Emissions of Sulfur Dioxide and Soot

Author(s): SN Linzon, RG Pearson, PJ Temple, WD McIlveen

Annual Conference: 1979, Vol. 2

Paper ID: 79-13.1

Power Pant Emissions and Vegetation Northern Great Plains

Author(s): FF Munshower, DR Neuman Annual Conference: 1979, Vol. 2

Paper ID: 79-13.3

Coal-Fired Power Plant Emissions Affect the Growth of Trees

Author(s): EH Tryon, ME Gallegly, MS Raphelson, B Linsky

Annual Conference: 1979, Vol. 2

Paper ID: 79-13.4

Power Plant Siting: Assessing Risks of Sulfur Dioxide Effects on Agriculture

Author(s): HC Jones, FP Weatherford, JC Noggle, NT Lee, JR

Cunningham

Annual Conference: 1979, Vol. 2

Paper ID: 79-13.5

Response of Selected Small Grains, Range Grasses and Alfalfa to Sulfur Dioxide

Author(s): RG Wilhour, GE Neely, DE Weber, LC Grothaus

Annual Conference: 1979, Vol. 2

Paper ID: 79-13.6

Personal Exposure Monitors--A Survey

Author(s): RE Lee, DT Mage Annual Conference: 1979, Vol. 2

Paper ID: 79-14.1

Indoor Air Quality Measurements in Energy Efficient Houses

Author(s): JV Berk, CD Hollowell, CI Lin

Annual Conference: 1979, Vol. 2

Paper ID: 79-14.2

Validation of Exhaust Air Recirculation Criteria-Four Case Studies

Author(s): LF Bullock, AA Amendola Annual Conference: 1979, Vol. 2

Paper ID: 79-14.3

Exposure Estimation and Mobility Patterns

Author(s): DJ Moschandreas, SS Morse

Annual Conference: 1979, Vol. 2

Paper ID: 79-14.4

An Air Infiltration Model for Modern Single Family Dwellings

Author(s): RA Macriss, JT Cole, TS Zawacki

Annual Conference: 1979, Vol. 2

Paper ID: 79-14.5

Instrumental Neutron Activation Analysis of Indoor. Outdoor Respirable Aerosols

Author(s): SD Colome, JD Spengler Annual Conference: 1979, Vol. 2

Paper ID: 79-14.6

Monitoring and Characterization of the Dispersion of Geothermal Pollutants

Author(s): LA Cavanagh, RE Ruff Annual Conference: 1979, Vol. 2

Paper ID: 79-15.1

Representativeness of Meteorological Data for Air Pollution Modeling

Author(s): GC Magil, P Morgenstern, JL Dicke, J Tikvart

Annual Conference: 1979, Vol. 2

Paper ID: 79-15.2

Trajectory Observations Compared to Computations Using a Regional Mesocale Model to Study Air Pollution in a Lake Breeze

Author(s): wa Lyons, JA Chuh, CS Keen, M McCumber, R

McNider

Annual Conference: 1979, Vol. 2

Paper ID: 79-15.3

Comparison of Predicted and Measured Concentrations for 54 Alternative Models of Plume Transport in Complex Terrain

Author(s): HM Ellis, PC Liu, C Runyon Annual Conference: 1979, Vol. 2

Paper ID: 79-15.4

A Probabilistic Method for Predicting Air Quality Impact

Author(s): WA Carpenter, JL Hudson, CC White

Annual Conference: 1979, Vol. 2

Paper ID: 79-15.6

A Theoretical Model for Pressure Drop in a Pulse Jet Fabric Filter

Author(s): D Leith, MK Ellenbecker, MW First

Annual Conference: 1979, Vol. 2

Paper ID: 79-16.1

Demonstration of High Velocity Fabric Filtration to Control Fly Ash Emissions from an Industrial Boiler

Author(s): JC Mycock, JA Foster, JH Turner

Annual Conference: 1979, Vol. 2

Paper ID: 79-16.4

Performance Equations Describing the Effect of Bag Failure on Baghouse Outlet Loading

Author(s): L Theodore, JP Reynolds Annual Conference: 1979, Vol. 2

Paper ID: 79-16.6

A Progress Report on EPA's Program to Regulate Emissions from Organic Chemical Manufacturing

Author(s): DR Patrick

Annual Conference: 1979, Vol. 2

Paper ID: 79-17.1

Engineering System for the Control of Toxic Chemical Emissions

Author(s): RE Kenson

Annual Conference: 1979, Vol. 2

Paper ID: 79-17.4

The Effective Use of the Affective Domain: The Use of Group Problems and Computer Simulation Exercises at the Air Pollution Training Institute

Author(s): D Elias, J Maroney, M Wilson

Annual Conference: 1979, Vol. 2

Paper ID: 79-18.1

Downward and Onward with Metro-APEX

Author(s): TH Rider

Annual Conference: 1979, Vol. 2

Paper ID: 79-18.2

An Innovative Open/Environmental University for Spanish Speaking Developing Nations

Author(s): HC Wohlers

Annual Conference: 1979, Vol. 2

Paper ID: 79-18.3

The Development of Fugitive Emission Factors for the Petroleum Refining Industry

Author(s): DD Rosebrook, RG Wetherold, LP Provost

Annual Conference: 1979, Vol. 2

Paper ID: 79-19.2

API Floating Roof Tank Test Program

Author(s): JG Zabaga

Annual Conference: 1979, Vol. 2

Paper ID: 79-19.4

Radioactive Emissions from a Lignite-Fired Power Plant

Author(s): CS Christiansen, JO Ledbetter, RW Miksad

Annual Conference: 1979, Vol. 2

Paper ID: 79-19.5

The Industrial Source Complex Dispersion Model

Author(s): JF Bowers, GJ Schewe, AH Huber, PL Youngblood

Annual Conference: 1979, Vol. 1

Paper ID: 79-2.1

A Comparison Study of the RAM (Urban) and RAMR (Rural) Models for Short Term SO2 Concentrations in Metropolitan Indianapolis

Author(s): MJ Geraghty, P Morgenstern, RA McKnight

Annual Conference: 1979, Vol. 1

Paper ID: 79-2.2

An Impaction Analysis of Particulates in the Metropolitan Baltimore Tefion by the Exponentially Tilted Plume Model

Author(s): KG Yang, SP Aust Annual Conference: 1979, Vol. 1

Paper ID: 79-2.3

Synoptic Weather Typing and Its Application to Air Quality in the St. Louis, Missouri Area

Author(s): E Robinson, RJ Boyle Annual Conference: 1979, Vol. 1

Paper ID: 79-2.4

Building Downwash Modeling Recent Developments

Author(s): RV Hatcher, DG Smith, LL Schulman

Annual Conference: 1979, Vol. 1

Paper ID: 79-2.6

An Empirical Air Quality Time Model Based on Sample Autocorrelation

Author(s): SA Smaby, RW Callen, JH Johnson

Annual Conference: 1979, Vol. 2

Paper ID: 79-20.2

A New Distribution for Air Pollution Data

Author(s): MR Hoyles

Annual Conference: 1979, Vol. 2

Paper ID: 79-20.3

A Comparison of Sulfate and Nitrate in Precipitation in 1955 and 1977 to Emissions and Air Quality Trends

Author(s): GJ Stensland

Annual Conference: 1979, Vol. 2

Paper ID: 79-20.4

Quality Assurance Audit Techniques for Validating Data from Continuous Emission Stack Monitoring (CEM) Systems

Author(s): JR Floyd

Annual Conference: 1979, Vol. 2

Paper ID: 79-20.5

Recommended Summaries of the Pollutant Standards Index

Author(s): WF Hunt, WM Cox, T Johnson, JE Capel

Annual Conference: 1979, Vol. 2

Paper ID: 79-20.6

Estimating Long-Term, Ground Level Concentrations of S02 from Short Term Peak Data

Author(s): MN Herman

Annual Conference: 1979, Vol. 2

Paper ID: 79-20.7

Continuous Monitoring of Gaseous Emissions on Cement Kilns

Author(s): JF Chadbourne Annual Conference: 1979, Vol. 2

Paper ID: 79-22.1

Federal Enforcement Under the Clean Air Act: The Significance of Sections 113 and 120

Author(s): JC Morriss

Annual Conference: 1979, Vol. 2

Paper ID: 79-22.2

Use of Emulsified Oil to Suppress Fugitive Dust on Haul Roads

Author(s): RT Runnels

Annual Conference: 1979, Vol. 2

Paper ID: 79-22.3

The Application of Gravel Bed Filters on Cement Clinker Cookers

Author(s): DW Janocik

Annual Conference: 1979, Vol. 2

Paper ID: 79-22.4

Gravel Bed Filters-Operating Experience

Author(s): WR Ford, R Simard Annual Conference: 1979, Vol. 2

Paper ID: 79-22.5

Dry Removal of SO2-Application to Industrial Coal-Fired Boilers

Author(s): GT Hollett

Annual Conference: 1979, Vol. 2

Paper ID: 79-23.1

Six Years Operation and Maintenance Experience with a Wellman Lord SO2 Abatement System at a Sulfuric Acid Plant

Author(s): DL Hatfield, JL Harris, TP Steiner, CT Silk

Annual Conference: 1979, Vol. 2

Paper ID: 79-23.3

Citrate Process Demonstration Plant Start Up and Operation

Author(s): RS Madenburg, TA Seesee, RV Walters, CH

Sherman

Annual Conference: 1979, Vol. 2

Paper ID: 79-23.4

Double Alkali Process for Flue Gas Desulfurization Optimizing for the Regeneration of Sodium Sulfite-Part 1: Lime as Regenerant, and Part 11: Limestone as Regenerant

Author(s): L Dauerman, K Rao Annual Conference: 1979, Vol. 2

Paper ID: 79-23.5

Lime/Limestone Scrubber Operation and Control

Author(s): DG Jones, OW Hargrove, TM Morasky

Annual Conference: 1979, Vol. 2

Paper ID: 79-23.6

A Study of Suspended Particulates at Three Urban Sites in Massachusetts

Author(s): FA Record, KW Wiltsee, RM Bradway, SD

Dennis, KA Hagg

Annual Conference: 1979, Vol. 2

Paper ID: 79-24.1

Long-Term Trends in Tota; Suspended Particulates; Vanadium, Manganese and Lead Observed at Near Street Level and Elevated Sites in New York City

Author(s): PJ Lioy, rp Mallon, TJ Kneip

Annual Conference: 1979, Vol. 2

Paper ID: 79-24.3

Summary of the Portland Aerosol Characterization Study (PACS)

Author(s): JA Cooper, JG Watson, JJ Huntzicker

Annual Conference: 1979, Vol. 2

Paper ID: 79-24.4

The Electrochemical Determination of Atmospheric Sulfate

Author(s): JS Walker, JP Warriner Annual Conference: 1979, Vol. 2

Paper ID: 79-24.6

Development of Emission Factors and Emission Inventories for State Implementation Planning

Author(s): GT Reed

Annual Conference: 1979, Vol. 2

Paper ID: 79-25.2

Emission Inventory Requirements for Photochemical Oxidant Modeling

Author(s): DA Toothman

Annual Conference: 1979, Vol. 2

Paper ID: 79-25.3

Special Techniques Employed in the Tampa Bay Photochemical Oxidant Study

Author(s): JO Baker

Annual Conference: 1979, Vol. 2

Paper ID: 79-25.6

A Heat Emission Inventory for the St. Louis Air Quality Control Region

Author(s): FE Littman, RW Griscom, J Piere

Annual Conference: 1979, Vol. 2

Paper ID: 79-25.7

Implications of Visibility Regulations-The Environmentalist's Perspective

Author(s): MD Williams

Annual Conference: 1979, Vol. 2

Paper ID: 79-26.2

The Industry Perspective

Author(s): JA Taylor

Annual Conference: 1979, Vol. 2

Paper ID: 79-26.4

Application of the Clean Air Act to Thermally Enhanced Oil Production in California

Author(s): R Greene, J Cole, J Holmes, J Thomasian

Annual Conference: 1979, Vol. 2

Paper ID: 79-27.3

The Impact of Shipping Activities on the Air Quality at a Proposed Oil Refinery Site

Author(s): m Rosenstein, L Murphy Annual Conference: 1979, Vol. 2

Paper ID: 79-27.6

Minimizing the Permitting Procedure: A Case History

Author(s): LL Krohn

Annual Conference: 1979, Vol. 2

Paper ID: 79-27.7

Development and Laboratory Evaluation of a Five-Stage Cyclone Sampler

Author(s): RR Wilson, DB Harris Annual Conference: 1979, Vol. 2

Paper ID: 79-28.1

Sampling Charged Particles with Cascade Impactors

Author(s): WE Farthing, DH Hussey, WB Smith, RR Wilson

Annual Conference: 1979, Vol. 2

Paper ID: 79-28.2

Factors Affecting Accuracy in Visual Emissions Evaluation

Author(s): RE Hague, DA Deieso Annual Conference: 1979, Vol. 2

Paper ID: 79-28.3

Airport Air Quality: Results of Recent Model Validation Studies

Author(s): DG Smith, DW Heinold, SA Bremer, RJ Yamartino

Annual Conference: 1979, Vol. 2

Paper ID: 79-29.1

Atmospheric Stability Class from Horizontal Wind Fluctuation

Author(s): AE Mitchell, KO Timbre Annual Conference: 1979, Vol. 2

Paper ID: 79-29.2

The Effects of Cross Wind Shear on Horizontal Dispersion

Author(s): A Kumar, AW Fedenheuer Annual Conference: 1979, Vol. 2

Paper ID: 79-29.3

An Analytical Long-Term Transport Model: Development, Analysis and Verification

Author(s): TL Crawford, WB Norris, LM Reisinger

Annual Conference: 1979, Vol. 2

Paper ID: 79-29.4

Power Law Variations of Wind Speed Profiles at Three Sites in the Oak Ridge Area

Author(s): WM Culkowski Annual Conference: 1979, Vol. 2

Paper ID: 79-29.5

Emission Factors and Emission Inventories for Carcinogenic Substances

Author(s): NL Nagda, DJ Pelton, JL Swift

Annual Conference: 1979, Vol. 1

Paper ID: 79-3.1

Investigation of Short-Term Health Effects of Ambient Photochemical Air Pollution

Author(s): EL Avol, MP Jones, LH Wightman, EA Bachmayer, CE Spier, WS Linn, JD Hackney

Annual Conference: 1979, Vol. 1

Paper ID: 79-3.2

Long-Term Measurements of Respirable Sulfates and Particles Inside and Outside Homes

Author(s): JD Spengler, DW Dockey, WA Turner, JM

Wolfson, BG Ferris

Annual Conference: 1979, Vol. 1

Paper ID: 79-3.3

NAS Report on Sulfur Oxides: A Critique

Author(s): E Landuel

Annual Conference: 1979, Vol. 1

Paper ID: 79-3.4

The Relationship of Components of Air Pollution to Mortality: Methods of Study

Author(s): HL Sauer

Annual Conference: 1979, Vol. 1

Paper ID: 79-3.5

Operating Experience with UOP/ACD TCA Flue Gas Desulfurization System at Southwest Station of City Utilities Springfield, Missouri

Author(s): BS Booker, JG Stites Annual Conference: 1979, Vol. 3

Paper ID: 79-31.3

Start-Up Experience with Lime Scrubbing at Pleasants Power Station

Author(s): JT Murphy

Annual Conference: 1979, Vol. 3

Paper ID: 79-31.4

FGD System Operation at Martin Lake Steam Electric Station

Author(s): M Richman

Annual Conference: 1979, Vol. 3

Paper ID: 79-31.5

Operation of Commercial FGD Sludge/Fly Ash Waste Treatment Systems

Author(s): AR Gentile, DM Dunkle Annual Conference: 1979, Vol. 3

Paper ID: 79-31.6

Operating Experience with the Wellman Lord/Allied Chemical Flue Gas Desulfurization Plant at Northern Indiana Public Service Company's Dean H. Mitchell Station

Author(s): FW Link, EL Mann Annual Conference: 1979, Vol. 3

Paper ID: 79-31.7

GCA's Model APM-1 Ambient Particulate Monitor-Field Applications and Results

Author(s): P Lilienfeld

Annual Conference: 1979, Vol. 3

Paper ID: 79-32.1

Performance of a High Volume Cascade Impactor

Author(s): TC Lee, NA Esmen Annual Conference: 1979, Vol. 3

Paper ID: 79-32.2

Automatic Inhalable Particulate Sampler (Dichotomous Sampler)

Author(s): JG Olin

Annual Conference: 1979, Vol. 3

Paper ID: 79-32.3

Measurements of Atmospheric Nitrate, Sulfate, Ammonium and Calium Using Various Filter Setups

Author(s): GJ Stensland, JD Bartlett Annual Conference: 1979, Vol. 3

Paper ID: 79-32.4

August 1976 Sulfate Episodes in the Tennessee Valley Region

Author(s): LM Resinger, TL Crawford Annual Conference: 1979, Vol. 3

Paper ID: 79-32.5

Evaluation of VOC Control Systems at Gasoline Bulk Terminals

Author(s): SS Cha, PM McManus, VJ Pitruzzello

Annual Conference: 1979, Vol. 3

Paper ID: 79-33.1

VOC Control Costs in Petroleum Marketing

Author(s): JG Zabaga

Annual Conference: 1979, Vol. 3

Paper ID: 79-33.2

NOx Reduction on Process Heaters with a Low NOx Burner

Author(s): KS Chapman

Annual Conference: 1979, Vol. 3

Paper ID: 79-33.3

NOx Control by the Thermal DENOx Process in a Tertiary Oil Recovery Steam Generator

Author(s): JM Robinson

Annual Conference: 1979, Vol. 3

Paper ID: 79-33.4

NOx and SOx Emissions Control with the Shell Flue Gas Treating Process

Author(s): JB Pohlenz

Annual Conference: 1979, Vol. 3

Paper ID: 79-33.5

Assessing Impacts of Coal Mining Operations with Air Quality Models

Author(s): KD Winges

Annual Conference: 1979, Vol. 3

Paper ID: 79-34.3

Influence of Alternative Definitions of Exempt Fugitive Dust Sources on the Impact of PSD Regulations on Surface Coal Mines

Author(s): DB Cabe, MW Hooper, AE Schmidt

Annual Conference: 1979, Vol. 3

Paper ID: 79-34.4

Environmental and Economic Tradeoffs of Coal Cleaning for Air Pollution Control

Author(s): JC Molberg, ES Rubin Annual Conference: 1979, Vol. 3

Paper ID: 79-34.6

A Turn-Key Extractive Sampling System to Continuously Monitor Gaseous Emissions from Fossil Fuel Fired Boiler Stacks

Author(s): JC Patton, GW Martin, JA Ross, W Spangler

Annual Conference: 1979, Vol. 3

Paper ID: 79-35.1

Design of an Automated Emission Monitoring and Reporting System

Author(s): TE Siedhoff

Annual Conference: 1979, Vol. 3

Paper ID: 79-35.3

True On-Line Zero and Span Determination for a Continuous Emission Monitoring System

Author(s): RC Webb, AE Opel Annual Conference: 1979, Vol. 3

Paper ID: 79-35.4

Performance Testing of Compliance Monitors

Author(s): CE Polhemus Annual Conference: 1979, Vol. 3

Paper ID: 79-35.5

Emissions Monitoring at Hayden Station Unit 2

Author(s): CL Mallatt, T Kissam, GE Palomino

Annual Conference: 1979, Vol. 3

Paper ID: 79-35.6

Design, Development and Implementation of a Pilot Air Quality Mobil Station in Spain

Author(s): AL Roman

Annual Conference: 1979, Vol. 3

Paper ID: 79-36.2

Noise Control in the Heavy Industrialized Rejmond (Phine Mouth) Area in the Netherlands

Author(s): E Eggink

Annual Conference: 1979, Vol. 3

Paper ID: 79-36.5

Recent Results in Gas Turbine Emission Accuracy

Assessment

Author(s): RH Dieck

Annual Conference: 1979, Vol. 3

Paper ID: 79-37.2

Pollutant Emissions Characteristics of Future Aviation Jet Fuels

Author(s): CC Gleason, JA Martone Annual Conference: 1979, Vol. 3

Paper ID: 79-37.3

Emissions Variability of Aircraft Gas Turbines and Its Influence on Compliance Certification Procedures

Author(s): MD Boreham, DC Dryburgh Annual Conference: 1979, Vol. 3

7 70 27 4

Paper ID: 79-37.4

Simplified Modeling and Measurement of Air Quality

Author(s): H Segal

Annual Conference: 1979, Vol. 3

Paper ID: 79-37.5

Characterization of Aircraft Turbine Engine Particulate Emissions

Author(s): JD Stockham, EH Luevcke, DL Fenton, R Johnson,

P Campbell, L Taubenkibel Annual Conference: 1979, Vol. 3

Paper ID: 79-37.6

Experiences in Emission Control on Lignite and Coal Utility Boilers in the State of Texas

Author(s): GD Naler, D Haverlah Annual Conference: 1979, Vol. 3

Paper ID: 79-38.1

Installation of a Baghouse Fabric Filter System

Author(s): KL Ladd, R Chambers, S Kunka

Annual Conference: 1979, Vol. 3

Paper ID: 79-38.2

TVA Compliance Programs for SO2 Emission

Author(s): GA Hollinden, CL Massey Annual Conference: 1979, Vol. 3

Paper ID: 79-38.7

Organic Air Emissions from Coke Quench Towers

Author(s): RV Hendriks, AH Laube, J Griffin

Annual Conference: 1979, Vol. 3

Paper ID: 79-39.1

Trends in Fumes Control for Iron and Steel Industry-Current and Future

Author(s): JE Jonsson

Annual Conference: 1979, Vol. 3

Paper ID: 79-39.2

Fugitive Particulate Emission Rate and Characterization for Electric Arc Steelmaking Furnaces

Author(s): RN Lindstrom, SE Sunfberg Annual Conference: 1979, Vol. 3

Paper ID: 79-39.3

Procurement of Construction Permits for Expansion of a Primary Aluminum Reduction Facility

Author(s): WJ Janson

Annual Conference: 1979, Vol. 3

Paper ID: 79-39.5

Environmental Control Costs-An Example in the Aluminum Industry

Author(s): PR Atkins

Annual Conference: 1979, Vol. 3

Paper ID: 79-39.6

An Air Quality Data Analysis System for Interrelating Effects, Standards and Needed Source Reductions: Part 7 Calculating Concentration Reductions Needed to Achieve the New National Ozone Standard

Author(s): RI Larsen, TC Curran, WF Hunt

Annual Conference: 1979, Vol. 1

Paper ID: 79-4.2

EPA's Tentative Ozone SIP Requirements for 1982

Author(s): AT Creekmore, EY Leong Annual Conference: 1979, Vol. 1

Paper ID: 79-4.3

Standard Setting for Ozone: A Critique of EPA's Risk Assessment Method

Author(s): PW Wright

Annual Conference: 1979, Vol. 1

Paper ID: 79-4.4

The Capability and Cost of Meeting Alternative Short-Term NO2 Standards

Author(s): DL Keyes, RO Reid, RD Coleman, B Kumar

Annual Conference: 1979, Vol. 1

Paper ID: 79-4.5

New Source Review for Acceptability of Public Exposure to Chemical Emissions

Author(s): J Price, J Wiersema, J Hartfield

Annual Conference: 1979, Vol. 1

Paper ID: 79-4.6

Local Involvement in Air Quality Planning

Author(s): NT Stephens, LK Luedtke Annual Conference: 1979, Vol. 1

Paper ID: 79-4.7

The Ecological Implications of Chronic Sulfur Dioxide Exposure for Native Grasslands

Author(s): EM Preston

Annual Conference: 1979, Vol. 3

Paper ID: 79-40.1

Trace Element Inputs from a Coal Burning Power Plant to Adjacent Terrestrial and Aquatic Environments

Author(s): DW Evans, JG Wiener, JH Horton

Annual Conference: 1979, Vol. 3

Paper ID: 79-40.2

Assessment of Emissions from a Water Wall Incinerator Fired with Municipal Solid Waste

Author(s): MA Golemiewski, KP Ananth, HM Freeman

Annual Conference: 1979, Vol. 3

Paper ID: 79-40.4

Air Quality and Environmental Noise Emissions from On-Site Diesel Engine Generators

Author(s): PC Freudenthal, GA Beals, AM Teplitzky

Annual Conference: 1979, Vol. 3

Paper ID: 79-40.5

Stack Released Plutonium in the Environment of a Nuclear Fuel Reprocessing Facility

Author(s): JH Horton, SM Sanders, JC Corey

Annual Conference: 1979, Vol. 3

Paper ID: 79-40.6

Potential Impacts of Land Use Planning on CO Concentrations in the Phoenix Non-Attainment Area

Author(s): CD Arthur

Annual Conference: 1979, Vol. 3

Paper ID: 79-41.1

Trying Not to Become Another Los Angeles-The San Diego Region's Experience in Transportation and Land Use Controls

Author(s): MR Aulick

Annual Conference: 1979, Vol. 3

Paper ID: 79-41.2

Integration of Air Quality and Transportation Planning

Author(s): NL Cooper, JO Hidinger Annual Conference: 1979, Vol. 3

Paper ID: 79-41.3

Transportation System ad Land Use Management for Clean Air: High Hopes and Dim Prospects

Author(s): EY Leong, RY Wada Annual Conference: 1979, Vol. 3

Paper ID: 79-41.5

Air Pollution Impacts of Revised New Source Performance Standards for Industrial Boilers

Author(s): M Placet, DG Streets Annual Conference: 1979, Vol. 3

Paper ID: 79-42.1

The Potential for Atmospheric Fluidized Bed Combustion (AFBC) in the Industrial Sector as an Environmentally Acceptable Alternative to Direct Coal Firing

Author(s): A Miles, W Mukadam, J Thomasian, J Cole

Annual Conference: 1979, Vol. 3

Paper ID: 79-42.4

Field Evaluation of Improved Filter Felts for Control of Asphalt Plant Emissions

Author(s): HH Forsten

Annual Conference: 1979, Vol. 3

Paper ID: 79-43.2

Natural Draft Asphalt Plants: Case Histories on Air Emissions

Author(s): RC Bedick, UM Patankar Annual Conference: 1979, Vol. 3

Paper ID: 79-43.3

Accelerated Baghouse Corrosion in a Waste Oil Burning Asphalt Concrete Plant

Author(s): TW Beggs, UM Patankar Annual Conference: 1979, Vol. 3

Paper ID: 79-43.5

Characterization of Cyclonic Flow and Analysis of Particulate Sampling Approaches at Asphalt Plants

Author(s): JW Peeler, FJ Phoenix, DJ Grove

Annual Conference: 1979, Vol. 3

Paper ID: 79-43.6

High Velocity Filtration for Control of Emissions from Food Processing Operations

Author(s): JD Brady

Annual Conference: 1979, Vol. 3

Paper ID: 79-44.1

Industrial Experience in Meat Smokehouse Emission Control

Author(s): JR Blandford

Annual Conference: 1979, Vol. 3

Paper ID: 79-44.2

Incinerator Systems for Food Process Emissions

Author(s): EC Betz

Annual Conference: 1979, Vol. 3

Paper ID: 79-44.3

The Harbor Shellfish Company Malodor Problem

Author(s): AC Daley

Annual Conference: 1979, Vol. 3

Paper ID: 79-44.5

Power Plant Siting: The Utah Experience

Author(s): VR Topham

Annual Conference: 1979, Vol. 3

Paper ID: 79-45.1

Air Quality Considerations in Siting a Coal-Fired Power Plant in California

Author(s): MJ Miller, JF McKenzie Annual Conference: 1979, Vol. 3

Paper ID: 79-45.3

Availability of Sites for Large Power Plants in East Texas

Author(s): JC Lacy

Annual Conference: 1979, Vol. 3

Paper ID: 79-45.5

Prevention of Significant Deterioration and On-Site Monitoring Programs

Author(s): TS Adams, DJ Fulle, GL Crow

Annual Conference: 1979, Vol. 3

Paper ID: 79-45.6

Revision of the Ozone Secondary National Ambient Air Quality Standard

Author(s): D Lokey, H Richmond, M Jones

Annual Conference: 1979, Vol. 3

Paper ID: 79-46.1

Economic Evaluation of Air Pollution Damage to Crops: The Essentials for a Proper Analysis

Author(s): JA Jaksch

Annual Conference: 1979, Vol. 3

Paper ID: 79-46.2

Relating Particulate Matter Sources and Impacts in the Willamette Valley During Field and Slash Burning

Author(s): CE Lyons, I Tombach, RA Eldred, FP Terraglio, JE

Core

Annual Conference: 1979, Vol. 3

Paper ID: 79-46.3

Determination of Ontario Hydro's Environmental Costs

Author(s): CE Burnham

Annual Conference: 1979, Vol. 3

Paper ID: 79-46.4

Research Costs and Air Pollution Effects: Plants

Author(s): DG Gillette

Annual Conference: 1979, Vol. 3

Paper ID: 79-46.5

Field Methods to Assess the Impact of Air Pollutants on Crop Yields

Author(s): AS Heagle, AJ Riordan, WW Heck

Annual Conference: 1979, Vol. 3

Paper ID: 79-46.6

The Fine Particle Emissions Information System-Three Years Later

Author(s): GL Johnson, MP Schrag Annual Conference: 1979, Vol. 4

Paper ID: 79-47.1

Preliminary Characterization of Inhalable Particulates in Urban Areas

Author(s): TG Pace, EL Meyer Annual Conference: 1979, Vol. 4

Paper ID: 79-47.2

Fractioning Particulate Studies in Indianapolis, Indiana

Author(s): RL Edmonds, TJ Godish Annual Conference: 1979, Vol. 4

Paper ID: 79-47.3

Potential Problem Waste Streams Generated by Coal-Fired Industrial Boilers

Author(s): BT Delaney, SA Smith Annual Conference: 1979, Vol. 4

Paper ID: 79-47.5

The Impact of Air Quality on the Land Use Planning

Author(s): KW Yeh

Annual Conference: 1979, Vol. 4

Paper ID: 79-48.1

Air Quality Implications of Alternative Urban Growth Patterns

Author(s): S Suryawanshi, W Cherwony Annual Conference: 1979, Vol. 4

Paper ID: 79-48.2

Modeling Secondary Impacts from Wastewater Facilities and the Use of Mitigation Measures in 201 Planning

Author(s): PH Guldberg, T McCurdy Annual Conference: 1979, Vol. 4

Paper ID: 79-48.3

A Systematic Approach to Carbon Monoxide Non-Attainment Plan Development

Author(s): RY Wada, MJ Wong, EY leong

Annual Conference: 1979, Vol. 4

Paper ID: 79-48.4

Airborne Lead Analysis for Highway Projects

Author(s): LF Vik

Annual Conference: 1979, Vol. 4

Paper ID: 79-48.5

Offset Stationary Source Emissions with Transportation Control Measures

Author(s): JC Elston

Annual Conference: 1979, Vol. 4

Paper ID: 79-48.7

Mist Eliminators for Flue Gas Desulfurization Systems

Author(s): RC Vanguri, RH Roberts Annual Conference: 1979, Vol. 4

Paper ID: 79-49.1

Fugitive Dust Control Using Charged Water Spray

Author(s): SC Yung, S Calvert, D Drehmel

Annual Conference: 1979, Vol. 4

Paper ID: 79-49.2

Scrubber Operation and Maintenance Survey

Author(s): RW McIlvaine Annual Conference: 1979, Vol. 4

Paper ID: 79-49.5

Hazardous Waste Management Facilities

Author(s): DA Oberacker, PK Ase Annual Conference: 1979, Vol. 1

Paper ID: 79-5.1

Hazardous Waste Incineration and Gaseous Waste Pollution Control

Author(s): RA Carnes, FC Whitmore Annual Conference: 1979, Vol. 1

Paper ID: 79-5.2

PEP and PEP Contaminated Wastes Disposal Technology

Author(s): R Goldberg, JD Wood Annual Conference: 1979, Vol. 1

Paper ID: 79-5.3

Incineration of Waste Gases

Author(s): YH Kiang

Annual Conference: 1979, Vol. 1

Paper ID: 79-5.4

Fine Particulate Control for an Industrial Liquid Waste Incinerator Using a Two Stage Ionizing Wet Scrubber

Author(s): WL Klugman, J Kosmider, CW Ritzrow

Annual Conference: 1979, Vol. 1

Paper ID: 79-5.5

Chloride and Heavy Metal Emissions from Wire Burning Incinerators

Author(s): EJ Petkus, WT Thorp, G Kimura, EW Linna

Annual Conference: 1979, Vol. 1

Paper ID: 79-5.6

Air Emissions--Controls and Regulations Affecting Implementation of Water Tube Wall Incinerators

Author(s): DA Ball, RB Engdahl, J Hummel

Annual Conference: 1979, Vol. 1

Paper ID: 79-5.7

Measures for Controlling Air Pollutant Emissions Associated with the Transport of Petroleum by Marine Vessels

Author(s): JL Haslbeck, AS Chaplin Annual Conference: 1979, Vol. 4

Paper ID: 79-50.7

Aerosol Formation from the Dark Reaction of Ozone with 1-Hexene and Ozone with Cyclohexene

Author(s): ER Kashdan, DL Fox Annual Conference: 1979, Vol. 4

Paper ID: 79-51.1

Atmospheric Chemistry of Hydrogen Sulfide-An Experimental Investigation

Author(s): JE Sickles, RS Wright Annual Conference: 1979, Vol. 4

Paper ID: 79-51.2

Important Homogeneous SO2 Oxidation Reactions in the Lower Troposphere

Author(s): TA Walter, SB Joshi, JJ Bufalini

Annual Conference: 1979, Vol. 4

Paper ID: 79-51.3

Characterization of Regional Sulfate/Oxidant Episodes in the Eastern United States and Canada

Author(s): EY Tong, MT Mills, BL Niemann, L Smith

Annual Conference: 1979, Vol. 4

Paper ID: 79-51.4

Multivariate Analysis of Particulate Sulfate Data by Principal Components for St. Louis and Salt Lake City

Author(s): RC Henry, GM Hidy Annual Conference: 1979, Vol. 4

Paper ID: 79-51.5

NO2 Air Quality-Precurson Relationship: An Ambient Air Quality Evaluation ion the Los Angeles Basin

Author(s): TY Chang, JM Norbeck, B Weinstock

Annual Conference: 1979, Vol. 4

Paper ID: 79-51.6

Analysis Techniques to Establish the Identity and Concentration of vapor Phase Organic Compounds

Author(s): M Holdren, S Humrickhouse, S Truitt, H Westberg,

H Hill

Annual Conference: 1979, Vol. 4

Paper ID: 79-52.2

Sampling Sample Preparation and Measurement of Specific Nonmethane Hydrocarbons

Author(s): ER Altwicker, RA Whitby Annual Conference: 1979, Vol. 4

Paper ID: 79-52.3

Non-Urban Hydrocarbon Concentrations in Ambient Air North of Houston, Texas

Author(s): RL Seila

Annual Conference: 1979, Vol. 4

Paper ID: 79-52.4

Background Continental Ozone Levels ion the Rural Southwest Desert

Author(s): TE Hoffer, RJ Farber, EC Ellis

Annual Conference: 1979, Vol. 4

Paper ID: 79-52.6

Spatial and Temporal Ozone and Sulfur Dioxide Distribution on the Great Smoky Mountains

Author(s): NT Stephens, JM Rosenquest, B Lubkert

Annual Conference: 1979, Vol. 4

Paper ID: 79-52.7

Odor Threshold Measurement by Dynamic Olfactometry Significant Operational Variables

Author(s): A Dravnieks, FH Jarke Annual Conference: 1979, Vol. 4

Paper ID: 79-53.1

Suprathreshold Odor Measurements by Dynamic Olfactometry-Principles and Practice

Author(s): A Turk, ED Switala, SH Thomas

Annual Conference: 1979, Vol. 4

Paper ID: 79-53.2

The Economic of Controlling Hydrocarbon Emissions from Gasoline Marketing and Solvent Degreasing

Author(s): JJ Yates, RK Chaudhry, MH Friedman

Annual Conference: 1979, Vol. 4

Paper ID: 79-54.2

A Synthesis and Critical Review of Methods for Estimating the Economic Damage of Air Pollution

Author(s): JD Hamilton

Annual Conference: 1979, Vol. 4

Paper ID: 79-54.5

Experimental Methods for Valuing Aesthetics and Health Effects in the South Coast Air Basin: An Overview

Author(s): DS Brookshire, RC Darge, WD Schulze, M Thayer

Annual Conference: 1979, Vol. 4

Paper ID: 79-54.6

Economic Advantages of Emissions Banking Systems

Author(s): JS Hoffman

Annual Conference: 1979, Vol. 4

Paper ID: 79-54.7

Development of Emission Limitations for the St. Louis "Hot Spot" Area

Author(s): RJ Schreiber

Annual Conference: 1979, Vol. 4

Paper ID: 79-55.2

Sulfur Dioxide PSD Increments in Houston, Texas

Author(s): GF Hoffnagle, DM Shea, RL Brown

Annual Conference: 1979, Vol. 4

Paper ID: 79-55.3

Administrative Control of PSD Increment Use

Author(s): AC Montz

Annual Conference: 1979, Vol. 4

Paper ID: 79-55.4

Evaluation of State and Local Regulation of Stationary Sources: Analysis of Selected Issues

Author(s): AL Farkas, BS Russell, JS Wyman, JR Richards

Annual Conference: 1979, Vol. 4

Paper ID: 79-55.6

Advanced Developments in Novel Particulate Control **Technology**

Author(s): S Calvert, SC Yung Annual Conference: 1979, Vol. 4

Paper ID: 79-56.1

EP Air Flow Studies Using Computer Controlled Velocity **Probe**

Author(s): D Ruth

Annual Conference: 1979, Vol. 4

Paper ID: 79-56.2

Intertial Deposition of Small Particles on a Sphere at Intermediate and High Reynolds Numbers-A Time Dependent Study

Author(s): DD Degani, GI Tardos Annual Conference: 1979, Vol. 4

Paper ID: 79-56.3

Panel Bed Filtration Data for Three Dust at 150C

Author(s): I Rodon, KC Lee, R Pfeffer, AM Squires

Annual Conference: 1979, Vol. 4

Paper ID: 79-56.5

Comparison of In-Situ Airborne and Surface Monitoring Station Air Quality Measurements

Author(s): JB Tommerdahl, ML Saeger, JH White, RB Strong

Annual Conference: 1979, Vol. 4

Paper ID: 79-57.1

Airborne Monitoring of Gases and Particles from Liquid and Solid Fueled Rockets

 $\hbox{Author(s): EE Hindman, LF Radke, MW Wltgroth, DA Hegg,}\\$

PV Hobbs

Annual Conference: 1979, Vol. 4

Paper ID: 79-57.2

Development and Application of an Automated Airborne Methane/Nonmethane Hydrocarbon Analyzer

Author(s): WR Cofer

Annual Conference: 1979, Vol. 4

Paper ID: 79-57.3

Aircraft Measurements of Hydrocarbons Concentrations in the Gas Cloud from the Blow Out at an Oil Platform in the North Sea

Author(s): Y Gotaas

Annual Conference: 1979, Vol. 4

Paper ID: 79-57.4

Lidar Observations of the Diurnal Behavior of the Cumberland Power Plant Plume

Author(s): EE Uthe, FL Ludwig, F Pooler

Annual Conference: 1979, Vol. 4

Paper ID: 79-57.5

Regional Transport of SO2 Across the Netherlands from Both Remote Vertical and Local Sensors

Author(s): ND van Egmond, JH Davies, C Cumming

Annual Conference: 1979, Vol. 4

Paper ID: 79-57.6

Ozone Measurements at a Remote South Dakota Site

Author(s): NA Kelly, GT Wolff, MA Ferman, PR Monson

Annual Conference: 1979, Vol. 4

Paper ID: 79-58.1

Transport of Pollutants Along the Western Shore of Lake Michigan

Author(s): H Westberg, K Sexton, E Roberts

Annual Conference: 1979, Vol. 4

Paper ID: 79-58.2

Ozone Precursor Concentrations in the Vicinity of a Medium Sized City

Author(s): NC Possiel, WC Eaton, ML Saeger, JE Sickles,

WD Bach, CE Decker

Annual Conference: 1979, Vol. 4

Paper ID: 79-58.3

Causes of Annual Ozone Variations in the San Francisco Bay Area

Author(s): RE DeMandel, JS Sandberg, MJ Basso, BA Okin,

DA Levaggi

Annual Conference: 1979, Vol. 4

Paper ID: 79-58.4

AN Empirical Relationship Between Ozone and Its Precursors for the Houston Area

Author(s): JR Marinez, FL Ludwig Annual Conference: 1979, Vol. 4

Paper ID: 79-58.5

Ozone Plumes from Small Cities and Airborne Observations of Ozone in a Moving High Pressure System

Author(s): PR Sticksel, CW Spicer, H Westberg

Annual Conference: 1979, Vol. 4

Paper ID: 79-58.6

Evaluation of a Permeation System for Calibrating Ambient Carbon Monoxide Analyzers

Author(s): MJ Barboza, DR Hemenway

Annual Conference: 1979, Vol. 4

Paper ID: 79-59.1

Use of Personal Monitor to Measure Commuter Exposure to Carbon Monoxide in Vehicle Passenger Compartments

Author(s): L Wallace

Annual Conference: 1979, Vol. 4

Paper ID: 79-59.2

Exposure of Drivers to Carbon Monoxide

Author(s): DM Colwill, AJ Hickman Annual Conference: 1979, Vol. 4

Paper ID: 79-59.3

Ambient Levels of Malathion Immediately After Aerial Application

Author(s): W Bosin, RJ Herling Annual Conference: 1979, Vol. 4

Paper ID: 79-59.4

Sulfur Gas Emissions from Flue Gas Desulfurization Sludge Ponds

Author(s): DF Adams

Annual Conference: 1979, Vol. 4

Paper ID: 79-59.5

Survey for Airborne Nitrosamines in Two California Counties

Author(s): RJ Gordon

Annual Conference: 1979, Vol. 4

Paper ID: 79-59.6

A Balloon System for Profiling Smoke Plumes from Forest Fires

Author(s): PW Ryan, CD Tangren, CK McMahon

Annual Conference: 1979, Vol. 1

Paper ID: 79-6.1

Information on the Sulfur Content of Bark and Its Contribution to SO2 Emissions when Burned as a Fuel

Author(s): HS Oglesby, RO Blosser Annual Conference: 1979, Vol. 1

Paper ID: 79-6.2

Forest Fire Smoke Plume Documentation

Author(s): DE Ward, RM Nelson, DF Adams

Annual Conference: 1979, Vol. 1

Paper ID: 79-6.3

Total Reduced Sulfur Monitoring by a Microprocessor Controlled Continuous System; An Alternative to EPA Reference Methods 16

Author(s): JC Laird, JE Nelsen, RL Tomlin

Annual Conference: 1979, Vol. 1

Paper ID: 79-6.4

Ozone Production and Transport in Slash Burn Plumes

Author(s): H Westberg, K Sexton, D Flyckt

Annual Conference: 1979, Vol. 1

Paper ID: 79-6.5

NOx Emissions of Furnaces and Water Heaters Predominant in the California Market

Author(s): FE Belles, DW DeWerth, RL Himmel

Annual Conference: 1979, Vol. 4

Paper ID: 79-60.1

Emissions from Coal-Fired Residential Combustion Equipment

Author(s): DG DeAngelis
Annual Conference: 1979, Vol. 4

Paper ID: 79-60.3

Analysis and Correlation of Seasonal Performance Data from the Gas Industry's Space Heating Efficiency Improvement Program (SHEIP)

Author(s): RA Macriss, TS Zawacki Annual Conference: 1979, Vol. 4

Paper ID: 79-60.4

AN Evaluation of Mass Emissions from Residential Coal Combustion

Author(s): JSKinsey

Annual Conference: 1979, Vol. 4

Paper ID: 79-60.5

Development and Field Verification of an Integrated Residential Oil Furnace

Author(s): AS Okuda, LP Combs Annual Conference: 1979, Vol. 4

Paper ID: 79-60.6

Energy and Economic Impacts of Pollution Control Equipment for Coal-Fired Power Plants: An Assessment Model

Author(s): PS Farber, CD Livengood Annual Conference: 1979, Vol. 4

Paper ID: 79-61.3

Energy Consumption by Air Pollution Control Equipment for Industrial Combustion Devices

Author(s): PK Engel, SC Hunter Annual Conference: 1979, Vol. 4

Paper ID: 79-61.4

A Systems View of Energy Environmental Economic Goals with Considerations for Equity

Author(s): CJ Maday

Annual Conference: 1979, Vol. 4

Paper ID: 79-61.6

Health Effects Associated with Increased Use of Coal

Author(s): J McCarroll

Annual Conference: 1979, Vol. 4

Paper ID: 79-62.4

A Survey of Vehicle Emissions Inspection/Maintenance Programs

Author(s): RF Klausmeier, EP Hamilton

Annual Conference: 1979, Vol. 1

Paper ID: 79-7.2

Survey and Analysis of Collection Methods for Automobile Particulate Emissions

Author(s): KG Duleep, RG Dulla Annual Conference: 1979, Vol. 1

Paper ID: 79-7.4

Impacts of Light Duty Vehicle Dieselization on Urban Air Ouality

Author(s): L Forrest, WB Lee, WM Smalley, JC Sturm

Annual Conference: 1979, Vol. 1

Paper ID: 79-7.6

A Method for Estimating Costs and Cost-Effectiveness of I/M Programs

Author(s): TF Green, EP Hamilton Annual Conference: 1979, Vol. 1

Paper ID: 79-7.7

The Behavior of Buoyant Merging Plumes in the Rocky Mountain Foothills

Author(s): H Whaley, GK Lee, JG Gainer

Annual Conference: 1979, Vol. 1

Paper ID: 79-8.1

A Tracer Experiment to Determine the Transport and Dispersion of an Elevated Plume in Complex Terrain

Author(s): MW Chan

Annual Conference: 1979, Vol. 1

Paper ID: 79-8.2

Air Pollution Modeling in Mountainous Terrain

Author(s): RC Sklarew, KT Tran Annual Conference: 1979, Vol. 1

Paper ID: 79-8.3

Effective Meteorological Instrument Siting in Valley Terrain

Author(s): AD Goldman Annual Conference: 1979, Vol. 1

Paper ID: 79-8.4

Wind Flow Patterns in Complex Terrain of Allegheny County, Western Pennsylvania

Author(s): C Norton, A Roffman Annual Conference: 1979, Vol. 1

Paper ID: 79-8.5

The Use of Fluid Models to Determine Good Engineering Practice Stack Height

Author(s): AH Huber

Annual Conference: 1979, Vol. 1

Paper ID: 79-8.6

An Overview of the Use of Electrostatic Precipitators for the Past 30 Years

Author(s): RL Bump

Annual Conference: 1979, Vol. 1

Paper ID: 79-9.1

The Electrostatic Precipitator and Its Power Supply: A Circuit Analysis

Author(s): TS Colbert

Annual Conference: 1979, Vol. 1

Paper ID: 79-9.2

Pilot Plant vs. Full Size Electrostatic Precipitator on Bark-Fired Boilers

Author(s): D Ruth

Annual Conference: 1979, Vol. 1

Paper ID: 79-9.4

Economic of Fabric Filters and Precipitators

Author(s): SD Severson, RW Scheck, KS Campbell, FA Horney, DS Ensor, GR Markowski, DP Teixiera

Annual Conference: 1979, Vol. 1

Paper ID: 79-9.5

Control of Fly Ash from Conventional Coal-Fired Utility Boilers

Author(s): AJ Buonicore, J Reynolds, L Theodore, PS Farber

Annual Conference: 1979, Vol. 1

Paper ID: 79-9.6

Comparison of Maximum Measured and Maximum Predicted SO2 Concentrations with the U.S.E.P.A. Single Source (CRSTER) Model

Author(s): HM Ellis, PC Liu Annual Conference: 1978, Vol. 3

Paper ID: 77-29.2

Oil Superports as a Potential Source of Air Quality Deterioration

Author(s): AT Rossano, GA McCoy, TW Gault

Annual Conference: 1978, Vol. 2

Paper ID: 78.27.7

Hydrocarbon Reactivity Analysis by Computer Simulation

Author(s): GA Holton, HE Jeffries Annual Conference: 1978, Vol. 1

Paper ID: 78-10.1

Nitrogen Balances for Several Organic Smog Systems in Outdoor Smog Systems

Author(s): KG Sexton, HE Jeffries Annual Conference: 1978, Vol. 1

Paper ID: 78-10.2

Sensitivity Tests of a Lagrangian Photochemical Air Quality Stimulation Model

Author(s): PJ Drivas, LG Wayne Annual Conference: 1978, Vol. 1

Paper ID: 78-10.3

Comparison of Rural and Urban Air Quality

Author(s): MA Ferman, PR Monson Annual Conference: 1978, Vol. 1

Paper ID: 78-10.4

Oxidant Formation Potential of C3-C5 Paraffins Under Multiday Irradiation

Author(s): JT Farhi

Annual Conference: 1978, Vol. 1

Paper ID: 78-10.5

Analysis of Aerometric Data Collected by Aircraft during a Stagnation Period in Washington, D.C., August 1976

Author(s): CK Fitzsimmons, K Zeller, MJ Pearson

Annual Conference: 1978, Vol. 1

Paper ID: 78-10.7

A Review of Manpower Training and Future Directions in Air Pollution Control at Universities

Author(s): AT Rossano, HM Cota Annual Conference: 1978, Vol. 1

Paper ID: 78-11.1

The Concept and Implementation of Regional Air Pollution Training Centers

Author(s): FA Stinson, HBHCooper Annual Conference: 1978, Vol. 1

Paper ID: 78-11.2

A Comprehensive Environmental Protection Graduate Program with a Multidisciplinary Health Approach

Author(s): AL Roman

Annual Conference: 1978, Vol. 1

Paper ID: 78-11.3

Training Personnel to Operate and Maintain Air Pollution Control Equipment

Author(s): FL Cross

Annual Conference: 1978, Vol. 1

Paper ID: 78-11.4

APTI Source Sampling Training Courses Student Population and Training Methods

Author(s): JA Jahnke, GJ Aldina Annual Conference: 1978, Vol. 1

Paper ID: 78-11.5

Training and Certification of Smoke Inspectors with Transmissometers- A Survey

Author(s): MC Osborne, MR Midgett Annual Conference: 1978, Vol. 1

Paper ID: 78-11.6

The Air of Scientific Testifying-Some Observations

Author(s): WB Bendell

Annual Conference: 1978, Vol. 1

Paper ID: 78-11.8

The Air Quality Impact of the Proposed General Motor Assembly Plant

Author(s): KK Wu, BD Cranor Annual Conference: 1978, Vol. 1

Paper ID: 78-12.1

Developing Third Party Emission Offset Credit in California Air Basin

Author(s): DR Holtz

Annual Conference: 1978, Vol. 1

Paper ID: 78-12.2

Emission Offsets: Long Range Solution or Just Buying Time?

Author(s): M Rothenberg, GR Kendall Annual Conference: 1978, Vol. 1

Paper ID: 78-12.4

Effects of the Proposed New Source Performance Standards: A Comparative Assessment of the Energy and Economic Impacts

Author(s): PS Farber, CD Livengood Annual Conference: 1978, Vol. 1

Paper ID: 78-13.2

The Impact of Coal Utilization in Texas under the National Energy Plan

Author(s): WR Kaiser, HBH Cooper, S Gautam, J Mabray, D

Saleh

Annual Conference: 1978, Vol. 1

Paper ID: 78-13.3

Environmental Issues in Coal Use-A Future Perspective

Author(s): AR Greenway, JA Rogers Annual Conference: 1978, Vol. 1

Paper ID: 78-13.5

The Role of Economics in Environmental Decision Making: An Environmental Economist's Viewpoint

Author(s): JA Jaksch

Annual Conference: 1978, Vol. 1

Paper ID: 78-13.6

Effects of Stability Episodes on Air Pollutant Levels Along Roadways

Author(s): RD Moe, JA Bullin, JC Polasek

Annual Conference: 1978, Vol. 1

Paper ID: 78-14.1

Particulate Emissions from Vehicle Travel Over Unpaved Roads

Author(s): RO McCaldin, KJ Heidel Annual Conference: 1978, Vol. 1

Paper ID: 78-14.2

Exhaust Particulate-The Diesel's Achilles Heel

Author(s): KL Springer Annual Conference: 1978, Vol. 1

Paper ID: 78-14.3

The Effects of Relaxed Emissions Standards and Heavy Duty Vehicles on Projected Highway Emissions Through 1990

Author(s): JC Brown, CD Cooper Annual Conference: 1978, Vol. 1

Paper ID: 78-14.4

Improved Techniques for Modeling Emissions from Mobile Sources in Urban Areas

Author(s): PC Juhasz, AT Rossano Annual Conference: 1978, Vol. 1

Paper ID: 78-14.5

Modified Line Source Models for Predicting 24-Hour and Annual Particulate Concentrations Resulting from Reentrainment of Roadway Dust

Author(s): HE Stevers

Annual Conference: 1978, Vol. 1

Paper ID: 78-14.6

Air Quality Impact of New Sources An Objective Approach

Author(s): M Feldstein, DA Levanggi, L Robinson, J Powell

Annual Conference: 1978, Vol. 1

Paper ID: 78-15.2

The Sea Breeze Effect on Oxidant Levels in Coastal New England

Author(s): D Elias, J Westberg, E Robinson

Annual Conference: 1978, Vol. 1

Paper ID: 78-15.3

A Practical Approach to Defining Oxidant Transport

Author(s): SJ Marsh, TA Peters, JE Dickinson

Annual Conference: 1978, Vol. 1

Paper ID: 78-15.4

A Quantitative Method for Selecting Effective Air Quality Monitoring Sites

Author(s): DG Smith

Annual Conference: 1978, Vol. 1

Paper ID: 78-15.5

The Army Ambient Air Monitoring Program

Author(s): RJ Murphy, DC Guzefwich, CA Bond, SL Kistner

Annual Conference: 1978, Vol. 1

Paper ID: 78-15.7

A National Network to Assess Long-Term Patterns of Rural Ozone

Author(s): EL Martinez, TA Hartlage, NC Possiel, BE Martin

Annual Conference: 1978, Vol. 2

Paper ID: 78-16.1

Design of a Quality Assurance Network for the State of Texas High Volume Air Sampler Program

Author(s): RL Richardson, DW Jones Annual Conference: 1978, Vol. 2

Paper ID: 78-16.2

A Method for Determining the Attainment Date of the National Ambient Air Quality Standards

Author(s): MR Hoyles

Annual Conference: 1978, Vol. 2

Paper ID: 78-16.3

Investigation into the Causes of Elevated S02

Concentrations Prevalent Across Connecticut During Periods of SW Wind Flow

Author(s): L Bruckman

Annual Conference: 1978, Vol. 2

Paper ID: 78-16.4

Gridded Pollutant Emissions in the U.S. and Southern Canada East of the Rockies

Author(s): TL Clark

Annual Conference: 1978, Vol. 2

Paper ID: 78-16.6

The Relatives Measure of Variability of Pollutant Concentrations in Air

Author(s): A Stamulis

Annual Conference: 1978, Vol. 2

Paper ID: 78-16.7

Stack Mist from a Coal Fired Power Plant Utilizing a Wet Scrubber: A Case History

Author(s): DW Hoffman, ER Kilpatrick

Annual Conference: 1978, Vol. 2

Paper ID: 78-17.1

A Parametric Study of Flux Force/Condensation Scrubber for the Removal of Fine Hydrophobic Particles

Author(s): RB Jacko, ML Holcomb Annual Conference: 1978, Vol. 2

Paper ID: 78-17.2

Scale-Up Effect of Venturi Scrubber

Author(s): NS Balakrishnan, GHS Cheng

Annual Conference: 1978, Vol. 2

Paper ID: 78-17.3

A Low Energy, High Velocity Electrostatic Precipitator The Electrodynamic Venturi Scrubber

Author(s): T Dembinsky, JF Vicard Annual Conference: 1978, Vol. 2

Paper ID: 78-17.6

Guidelines for Selecting a Wet Scrubber

Author(s): JE McCarthy

Annual Conference: 1978, Vol. 2

Paper ID: 78-17.7

Air Emissions Assessment-Union Carbide Purox Process

Author(s): HM Freeman, KP Ananth, PG Gorman

Annual Conference: 1978, Vol. 2

Paper ID: 78-18.2

Emission Characteristics of Burning Refuse Derived Fuel with Coal in Stoker Fired Boilers

Author(s): JL Hall, HR Shanks, AW Joesen, DB Van Meter,

GA Severns

Annual Conference: 1978, Vol. 2

Paper ID: 78-18.3

Bacterial and Viral Emissions in Processing Municipal Solid Waste

Author(s): DE Fiscus, PG Gorman, CC Wiles, AJ Klee

Annual Conference: 1978, Vol. 2

Paper ID: 78-18.6

Particulate Matter Emissions from Selected Arizona Copper Smelters

Author(s): LJ Bowerman

Annual Conference: 1978, Vol. 2

Paper ID: 78-19.1

Primary Copper Smelter Reverberatory Furnace SO2 Control

Author(s): TJ Weisenberg, A Prem, F Winkler

Annual Conference: 1978, Vol. 2

Paper ID: 78-19.2

A Regional Approach to Analyzing the Atmospheric Impacts of Copper-Nickel Mining and Smelting

Author(s): I Ritchie, D Thingvold, W Endersen, J Bowman, H

Paulus

Annual Conference: 1978, Vol. 2

Paper ID: 78-19.3

Environmental Programs at the Amax Fort Madison, Molybdenum Conversion Plant

Author(s): GL Andes, J Madera Annual Conference: 1978, Vol. 2

Paper ID: 78-19.4

A Heavy Metals Deposition Study in Metropolitan Salt Lake City, Utah

Author(s): WA Klinger, MP Neilsen Annual Conference: 1978, Vol. 2

Paper ID: 78-19.5

Legislative Developments of the 1977 Amendments to the Federal Clean Air Act

Author(s): PM Giblin

Annual Conference: 1978, Vol. 1

Paper ID: 78-2.1

Limitations on Construction of New Sources Under the Clean Air Act Amendments of 1977

Author(s): LB Feldcamp Annual Conference: 1978, Vol. 1

Paper ID: 78-2.2

The Role of New Source Review (NSR) Policy in the San Francisco Air Quality Maintenance Plan

Author(s): EY Leong, CR Lewis, RY Wada, TE Perardi

Annual Conference: 1978, Vol. 1

Paper ID: 78-2.3

New Source Review: An Ambient Assessment Technique

Author(s): MK Anderson, GD Wight Annual Conference: 1978, Vol. 1

Paper ID: 78-2.4

Systems Approach to Air Quality Programs

Author(s): JW Hathorn

Annual Conference: 1978, Vol. 1

Paper ID: 78-2.7

Avoiding Environmental Litigation

Author(s): RD Radford

Annual Conference: 1978, Vol. 1

Paper ID: 78-2.8

Air Pollution and the Atmospheric Boundary Layer

Author(s): D Randerson

Annual Conference: 1978, Vol. 2

Paper ID: 78-20.1

What Does Industry Need in the Way of Meteorology for Air Pollution Problems?

Author(s): LW Crow

Annual Conference: 1978, Vol. 2

Paper ID: 78-20.3

The Future of Air Quality Modeling

Author(s): BA Egan, BL Murphy Annual Conference: 1978, Vol. 2

Paper ID: 78-20.4

An Assessment of Air Quality Impacts of Coal and Lignite Use in Texas

Author(s): SR Gautan, HBH Cooper, RW Miksad

Annual Conference: 1978, Vol. 2

Paper ID: 78-20.7

Emission Inventories: A Perspective

Author(s): JH Southerland Annual Conference: 1978, Vol. 2

Paper ID: 78-22.1

Conducting Local Emissions Inventories

Author(s): MJ Pandres

Annual Conference: 1978, Vol. 2

Paper ID: 78-22.2

Emission Profiles as an Inventory Tool

Author(s): JL Stredler, J Grisinger, HJ Taback

Annual Conference: 1978, Vol. 2

Paper ID: 78-22.3

Projected Air Emissions from Point Sources Based on Industry Surveys, Economic Growth and SIP Regulations

Author(s): CP Bartosh, BP Cerepaka, WJ Moltz

Annual Conference: 1978, Vol. 2

Paper ID: 78-22.6

Overview of the Health Effects of Alternate Energy Sources

Author(s): SJ Gage, GJ Rausa Annual Conference: 1978, Vol. 2

Paper ID: 78-23.1

Mutagenic Components of Alternate Energy Sources

Author(s): JL Epler, MR Guerin Annual Conference: 1978, Vol. 2

Paper ID: 78-23.5

Health Effects of Oil Shale Development

Author(s): DL Coffin

Annual Conference: 1978, Vol. 2

Paper ID: 78-23.6

The Effects of Photochemical Oxidants on the Yield and Ouality of Crops

Author(s): HE Heggestad, AS Heagle, JH Bennett, EJ Koch

Annual Conference: 1978, Vol. 2

Paper ID: 78-24.1

Relationship Between Controlled Experiments and Field Studies of Air Pollution Effects on Vegetation

Author(s): RJ Oshima, AG Endress Annual Conference: 1978, Vol. 2

Paper ID: 78-24.2

Fluoride Emissions and Forest Growth Near Kitimat, BC Canada

Author(s): HWF Bunce

Annual Conference: 1978, Vol. 2

Paper ID: 78-24.3

A Two Compartment Model for Fluoride Accumulation in Soybean Leaves (Glycine Max L. Merrill var Dare)

Author(s): M Ghiasseddin, JW Mason, JM Hughes, JE Diem

Annual Conference: 1978, Vol. 2

Paper ID: 78-24.4

Air Pollution Effects on Forest Growth and Succession: Applications of a Mathematical Model

Author(s): SB McLaughlin, DC West, JJ Shugart, DS Shriner

Annual Conference: 1978, Vol. 2

Paper ID: 78-24.5

Patterns of Fluoride Accumulation in Forest Species as Related to Symptoms and Defoliation

Author(s): SS Sidhu

Annual Conference: 1978, Vol. 2

Paper ID: 78-24.7

Experimental Comparison of Two Optical Instruments for Measuring Particulate Concentrations: Nephelometer and Transmissiometer

Author(s): GS Knoke

Annual Conference: 1978, Vol. 2

Paper ID: 78-25.1

Bag House Monitoring Using Surface Ionization Instruments

Author(s): RL Myers, WL Fite Annual Conference: 1978, Vol. 2

Paper ID: 78-25.2

Evaluation of Various Hydrocarbon Sampling Devices

Author(s): RB Denyszyn, DL Hardison, JM Harden, JF

McGaughey, AL Sykes Annual Conference: 1978, Vol. 2

Paper ID: 78-25.3

A Comparison of Two Techniques for the Collection and Analysis of Polynuclear Aromatic Compounds in Ambient Air

Author(s): JL Lindren, HJ Krauss, MA Fox

Annual Conference: 1978, Vol. 2

Paper ID: 78-25.4

Ambient Hydrocarbon Measurements

Author(s): ER Altwicker, RA Whiby Annual Conference: 1978, Vol. 2

Paper ID: 78-25.5

The Nondispersive Infrared (NDIR) Analyzer with Improved Selectivity and Sensitivity for Pollutants Measurement

Author(s): S Ueda, A Watanabe Annual Conference: 1978, Vol. 2

Paper ID: 78-25.6

Concorde Emissions at Dulles International Airport: Results of Measurements

Author(s): H Segal

Annual Conference: 1978, Vol. 2

Paper ID: 78-26.2

Mexico City International Airport as Source of Environmental Pollution

Author(s): ha Bravo, AJ Ayanegui, EA Sigler, R Magana, AC

Lowe

Annual Conference: 1978, Vol. 2

Paper ID: 78-26.3

Reduction of Aircraft Gas Turbine Engine Pollutant Emissions-A Status Report

Author(s): LA Diehl

Annual Conference: 1978, Vol. 2

Paper ID: 78-26.4

Organic Content of Particulate Matter in Turbine Engine Exhaust

Author(s): DJ Robertson, RH Groth, TJ Blasko

Annual Conference: 1978, Vol. 2

Paper ID: 78-26.6

Aircraft Turbine Engine Test Facility Emissions and Control Methods

Author(s): he Lindenhofen, BC Grems Annual Conference: 1978, Vol. 2

Paper ID: 78-26.7

Tests of a Laser Fluorosensor for Marine Pollution Monitoring

Author(s): JH Davies, R Dick, R O'Neil Annual Conference: 1978, Vol. 2

Paper ID: 78-27.3

The Impact of Alaskan North Slope Crude Oil on Air Pollution in the United States

Author(s): PF Hess

Annual Conference: 1978, Vol. 2

Paper ID: 78-27.5

Hydrocarbon Emissions During Marine Loading of Crude Oil

Author(s): KH Kilgren, TA Hecht Annual Conference: 1978, Vol. 2

Paper ID: 78-27.6

Technical, Economic and Environmental Aspects of Industrial Stoker-Fired Boilers

Author(s): RD Giammar, RB Engdahl Annual Conference: 1978, Vol. 2

Paper ID: 78-28.2

Compliance Coal for Utility, Industrial, Commercial and Institutional Boilers via Gravichem Processing

Author(s): RA Meyers

Annual Conference: 1978, Vol. 2

Paper ID: 78-28.3

Research on the Removal of S02 by Additive Injection Techniques on a Stoker-Fired Boiler

Author(s): WT Davis, TC Keener, LL Lavely

Annual Conference: 1978, Vol. 2

Paper ID: 78-28.4

The Kurabo Process for Dry, Selective Catalytic Reduction of NOx

Author(s): JE Cotter, RR Koppang, R Muraki

Annual Conference: 1978, Vol. 2

Paper ID: 78-28.5

A Preliminary Field Study of Nitrogen Oxides in the Exhaust Plume from a Compressor Installation

Author(s): RP Angle, HS Sandhu, WJ Schnitzler

Annual Conference: 1978, Vol. 2

Paper ID: 78-28.6

Air Pollution Associated with the Use of Geothermal Energy

Author(s): GJ Taylor

Annual Conference: 1978, Vol. 2

Paper ID: 78-29.1

Environmental Consequences and Research Needs in Solar Energy Technology Development Affecting Air Pollution Control

Author(s): CC Lee

Annual Conference: 1978, Vol. 2

Paper ID: 78-29.2

Multi-Media Environmental Impact of Air Pollution Regulations for a Coal-Fired Power Plant

Author(s): ES Rubin, DR Lincoln Annual Conference: 1978, Vol. 2

Paper ID: 78-29.4

Commercialization of Coal-Based Combined Cycle Plants

Author(s): GN Reddy

Annual Conference: 1978, Vol. 2

Paper ID: 78-29.6

Energy Requirements for Air Pollution Abatement Equipment in Texas

Author(s): SN Spaw, JO Ledbetter Annual Conference: 1978, Vol. 2

Paper ID: 78-29.7

Estimating the Cost to States to Implement Federal Air Pollution Control Strategies

Author(s): M Senew, T Donaldson, L Conley, R Cirillo, D

Seymour, D Smith

Annual Conference: 1978, Vol. 1

Paper ID: 78-3.2

Air Pollution Regulations Applied to Coal-Fired Boilers

 $Author(s): MF\ Lebowitz$

Annual Conference: 1978, Vol. 1

Paper ID: 78-3.5

Dispersion of Carbon Monoxide from Roadways at Low Wind Speeds

Author(s): JA Bullin, NJ Green, JP Miculka, JC Polasek

Annual Conference: 1978, Vol. 1

Paper ID: 78-3.7

An Overview of the Houston Oxidant Study

Author(s): WB Beck, GK Tannahill Annual Conference: 1978, Vol. 2

Paper ID: 78-30.1

Ozone Concentration Patterns Associated with the July 1977 Eastern U.S. Heat Wave

Author(s): GT Wolff, PJ Lioy Annual Conference: 1978, Vol. 2

Paper ID: 78-30.4

Recent Measurements of the Rates of Ozone Removal from the Atmosphere by Land Surfaces

Author(s): ML Wesely, JA Eastman, DR Cook, BB Hicks

Annual Conference: 1978, Vol. 2

Paper ID: 78-30.5

Verification of the MADCAP Regional Photochemical Model for San Diego

Author(s): RC Sklarew, KT Tran Annual Conference: 1978, Vol. 2

Paper ID: 78-30.6

Determination of the Influence of Meteorological Factors Upon Building Wake Tracer Concentrations by Multilineat Regression Analysis

Author(s): DG Smith

Annual Conference: 1978, Vol. 2

Paper ID: 78-30.7

Rural Fugitive Dust Impact on an Urban Area

Author(s): S Makherji, L Shumway, K Baugues, H Williams

Annual Conference: 1978, $Vol.\ 2$

Paper ID: 78-30.8

Energy Development in the West: Local and Regional Impacts and Potentials

Author(s): EJ Malecki, MS Eckert Annual Conference: 1978, Vol. 3

Paper ID: 78-32.1

Differences Between the Approaches Appropriate for Socioeconomic Assessment/Prediction in Areas of High and Low Population Density in the U.S.A.

Author(s): GG Stanfield Annual Conference: 1978, Vol. 3

Paper ID: 78-32.2

Relative Public Costs Associated with Increased Regional Coal Development

Author(s): DJSantini, JE Metzger, EJ Stenehjem

Annual Conference: 1978, Vol. 3

Paper ID: 78-32.4

A Comparative Analysis of Factors Influencing the Socioeconomic Impacts of Electric Generating Facilities

Author(s): RS Krannich

Annual Conference: 1978, Vol. 3

Paper ID: 78-32.5

Toxicological Assessment of Diesel Emissions

 $\hbox{Author(s): SD Lee, KI Campbell, D Laurie, RG Hinners, M}$

Malanchuk, W Moore, RJ Bhatnagar, I Lee

Annual Conference: 1978, Vol. 3

Paper ID: 78-33.4

Characterization of Diesel Exhaust Particulate Under Different Engine Load Conditions

Author(s): RM Schreck, JJ McGrath, SJ Swarin, WE Hering,

PJ Groblicki, JS MacDonald Annual Conference: 1978, Vol. 3

Paper ID: 78-33.5

Mutagenic Screening of Diesel Particulate Material

Author(s): JJ McGrath, RM Schreck, JS Siak

Annual Conference: 1978, Vol. 3

Paper ID: 78-33.6

Preliminary Finding on the Deposition and Retention of Automotive Diesel Particulate in Rat Lungs

Author(s): W Moore, J Orthoefer, J Burkart, M Malanchuk

Annual Conference: 1978, Vol. 3

Paper ID: 78-33.7

Evaluation of Arsenic and Selenium Emissions from a Coal Fired Power Plant

Author(s): GT Moore, VJ Elia Annual Conference: 1978, Vol. 3

Paper ID: 78-34.2

Evaluation of Two Particulate Collection Alternatives for Trace Element Removal at Coal-Fired Power Plants

Author(s): JM Ondov, RC Ragaini, AH Biermann

Annual Conference: 1978, Vol. 3

Paper ID: 78-34.6

The Implementation of the NSPS Continuous Emission Monitoring Regulations in EPA, Region VIII

Author(s): JR Floyd

Annual Conference: 1978, Vol. 3

Paper ID: 78-35.1

A Method for Stack Sampling Cyclone Flow

Author(s): CL Goener, FH Hartmann, JB Draper

Annual Conference: 1978, Vol. 3

Paper ID: 78-35.2

Portable Particulate Sampler with Automatic Isokinetic Flow Control

Author(s): DB Harris, JW Montgomery, PH Garrett

Annual Conference: 1978, Vol. 3

Paper ID: 78-35.4

Comparison of Stack Methods for Nitrogen Oxides

Author(s): RE James, JE Cunningham Annual Conference: 1978, Vol. 3

Paper ID: 78-35.6

Effects of Probe Blockage on Type-S-Pilot Tubes in Small Diameter Ducts

Author(s): LR Walz, JL Hathway Annual Conference: 1978, Vol. 3

Paper ID: 78-35.7

Hydrocarbon Emissions from Petroleum Production Operations in California's South Coast Air Basin

Author(s): TW Sonnichsen, HJ Taback, N Brunetz

Annual Conference: 1978, Vol. 3

Paper ID: 78-36.3

The Measurement of Fugitive Hydrocarbon Emission from Selected Sources in Petroleum Refineries

Author(s): DD Rosebrook, RG Wetherold, CD Smith, GE

Harris, IA Jefcoat

Annual Conference: 1978, Vol. 3

Paper ID: 78-36.4

Experimental Techniques for the Determination of Fugitive Hydrocarbon Emissions

Author(s): WS Eaton, KW Charlton, RA Meyer, ML

Duckworth

Annual Conference: 1978, Vol. 3

Paper ID: 78-36.5

Combustion Characteristics of Hazardous Waste Streams

Author(s): RA Carnes

Annual Conference: 1978, Vol. 3

Paper ID: 78-37.5

Design of a Chimney Downstream of a Wet Scrubber without a Flue Gas Reheater

Author(s): WR Lane, DS Sakata Annual Conference: 1978, Vol. 3

Paper ID: 78-38.1

Selection of Stack Height and Stack Gas Temperature to Reduce the Maximum Ground Level Concentrations

Author(s): SN Putta

Annual Conference: 1978, Vol. 3

Paper ID: 78-38.2

Determination of Good Engineering Practice Stack Height

Author(s): AH Huber

Annual Conference: 1978, Vol. 3

Paper ID: 78-38.3

Further Studies of Observed and Calculated Concentrations of Sulfur Dioxide in the Vicinity of Two Large Point Sources on Long Island, NY

Author(s): JC Pace, FW Lipfert Annual Conference: 1978, Vol. 3

Paper ID: 78-38.4

A Test of the EPA CRSTER Model Sensitivity to the Occurrence of Class a Stability

Author(s): JR Martin, ML Kramer, RH Calby

Annual Conference: 1978, Vol. 3

Paper ID: 78-38.5

Prediction and Real-Time Control of SO2 Pollution from a Power Plant

Author(s): G Finzi, G Fronza, S Rinaldi, A Spirito

Annual Conference: 1978, Vol. 3

Paper ID: 78-38.6

The Application of Airborne Particulate Collectors and Automated Multi-Element Analysis to Studies of Air Pollution

Author(s): FN Abercrombie, AR Barringer, JH Davies, R Dick

Annual Conference: 1978, Vol. 3

Paper ID: 78-39.2

A New Airborne Aerosol Sampling System

Author(s): WH Marlow, RW Garber Annual Conference: 1978, Vol. 3

Paper ID: 78-39.3

Sulfur Size Distribution by Season and Site in California

Author(s): RG Flocchini, TA Cahill, RA Eldred, LL

Ashbaugh, JB Barone

Annual Conference: 1978, Vol. 3

Paper ID: 78-39.6

Airborne Monitoring of Long-Lived, Anthropogenic Aerosol Clouds

Author(s): RE Hindman, FK Odencrantz, WG Finnegan

Annual Conference: 1978, Vol. 3

Paper ID: 78-39.8

Methodologies for Projecting the Relative Air Quality Impacts of Emission Control Strategies

Author(s): JH Wilson

Annual Conference: 1978, Vol. 1

Paper ID: 78-4.1

Transportation Control Planning in Texas

Author(s): RB Akin

Annual Conference: 1978, Vol. 1

Paper ID: 78-4.3

A Methodology for Analyzing Alternative Oxidant Control Strategies

Author(s): RY Wada, EY Leong, LH Robinson

Annual Conference: 1978, Vol. 1

Paper ID: 78-4.4

Comparison of EPA Rollback, Empirical/Kinetic and Physicochemical Oxidant Prediction Relationships in the San Francisco Bay Area

Author(s): RE DeMandel, LH Roninson, JSL Fong, RY Wada

Annual Conference: 1978, Vol. 1

Paper ID: 78-4.5

The Regulation and Control of Carbon Monoxide in Enclosed Parking Garages

Author(s): N Glazer

Annual Conference: 1978, Vol. 1

Paper ID: 78-4.6

MBO and the Clean Air Act and Amendments

Author(s): BB Nall

Annual Conference: 1978, Vol. 1

Paper ID: 78-4.7

Length of Meteorological Record and the Use of Sequential Models

Author(s): GF Hoffnagle, DM Shea, RL Brown

Annual Conference: 1978, Vol. 3

Paper ID: 78-40.1

A Study of Cooling Pond Fog Generation

Author(s): DM Leahey, MJE Davies, LA Panek

Annual Conference: 1978, Vol. 3

Paper ID: 78-40.2

An Exercise in Estimating Vertical Diffusion Coefficients from Averaged Data

Author(s): WM Culkowski, SD Swisher Annual Conference: 1978, Vol. 3

Paper ID: 78-40.3

Effects of Trees on Wind Speed at a Power Plant Meteorological Station

Author(s): NA Nielsen

Annual Conference: 1978, Vol. 3

Paper ID: 78-40.5

Verification of a Climatological Equivalent of the Area Source Algorithm of the RAM Model

Author(s): G Beals, PC Freudenthal Annual Conference: 1978, Vol. 3

Paper ID: 78-40.6

An Operational Scheme for Estimating Hourly Mixing Depths

Author(s): CW Benkley, LL Schulman Annual Conference: 1978, Vol. 3

Paper ID: 78-40.7

Short Term Real Time Control of Air Pollution Episodes in Venice

Author(s): P Zannetti

Annual Conference: 1978, Vol. 3

Paper ID: 78-40.8

Preparation and Use of Spatially and Temporally Resolved Emission Inventories in the San Francisco Bay Region

Author(s): TE Perardi, MY Kim, EY Leong, RY Wada

Annual Conference: 1978, Vol. 3

Paper ID: 78-42.2

Summary of the Emission Inventory for the Regional Air Pollution Study

Author(s): CC Masser, FE Littman, JW Piere

Annual Conference: 1978, Vol. 3

Paper ID: 78-42.3

Emissions from the Open Burning or Detonation of Explosives

Author(s): RV Carter

Annual Conference: 1978, Vol. 3

Paper ID: 78-42.4

Lead Emissions from Industrial, Vehicle and Combustion Sources

Author(s): EJ Petkus, JW Lin, CG Jansen

Annual Conference: 1978, Vol. 3

Paper ID: 78-42.5

Field Measurements and Characterization of Emissions from Coal-Fired Combustion Sources

Author(s): JS Nader

Annual Conference: 1978, Vol. 3

Paper ID: 78-42.6

A Critical Review of Methods for Defining Visual Range in Pristine and Near-Pristine Areas

Author(s): I Tombach

Annual Conference: 1978, Vol. 3

Paper ID: 78-43.2

Visibility and Energy Development: Large vs. Small

Author(s): EM Leonard, MJ Wecksung, MD Williams

Annual Conference: 1978, Vol. 3

Paper ID: 78-43.3

Variabilities in Visibility in East Central Utah

Author(s): RF Pueschel, PA Allee, DL Wellman, WF Roberts,

WW Wagner, TL Thoem Annual Conference: 1978, Vol. 3

Paper ID: 78-43.4

Visibility Models for the Arid and Semi-Arid Western United States

Author(s): WO Ursenbach, AC Hill, WH Edwards

Annual Conference: 1978, Vol. 3

Paper ID: 78-43.6

Visibility in the Southwest-An Exploration of the Historical Data Base

Author(s): J Trijonis

Annual Conference: 1978, Vol. 3

Paper ID: 78-43.7

Response of Snap Bean to Ozone: Effects of Growth Temperature

Author(s): WW Heck, JA Dunning Annual Conference: 1978, Vol. 3

Paper ID: 78-44.1

Edaphic Factors Influence Air Pollutant Response

Author(s): DP Ormrod

Annual Conference: 1978, Vol. 3

Paper ID: 78-44.2

The Influence of Light on the Responses of Plants to Air Pollutants

Author(s): DC MacLean, RE Schneider, LH Weinstein

Annual Conference: 1978, Vol. 3

Paper ID: 78-44.3

Variable Responses of Soybeans to Mixtures of Ozone and Sulfur Dioxide

Author(s): AS Heagle, JW Johnston Annual Conference: 1978, Vol. 3

Paper ID: 78-44.4

Effects of Air Pollutants on Plant Pathogen Interactions

Author(s): JA Laurence

Annual Conference: 1978, Vol. 3

Paper ID: 78-44.5

Problems of Regeneration of Stressed Ecosystems

Author(s): D Balsillie, WD McIlveen, K Winterhalder

Annual Conference: 1978, Vol. 3

Paper ID: 78-44.6

Application of Mobile and Remote Monitoring to Modeling of Pollutant Dispersion

Author(s): IH Tomach, MW Chan, PB MacCready

Annual Conference: 1978, Vol. 3

Paper ID: 78-45.2

AN Evaluation of Aerial Sampling as a Method for the Estimation of Source Emissions

Author(s): JE Cunningham, HBH Cooper

Annual Conference: 1978, Vol. 3

Paper ID: 78-45.6

Mobile Sampling for SO2 Near a Lignite Fired Power Plant

Author(s): CJ Durrenberger, NK Wagner, HBH Cooper

Annual Conference: 1978, Vol. 3

Paper ID: 78-45.7

Industrial Application of Citrate FGD Technology

 $\label{eq:author} \mbox{Author(s): RS Madenburg, DM Paulsrude, CH Sherman, FG}$

Turpin

Annual Conference: 1978, Vol. 3

Paper ID: 78-46.3

Desulfurization of Flue Gas with Nahcolite in a Pilot Fabric Filter

Author(s): RR Banks, ML Hochhauser

Annual Conference: 1978, Vol. 3

Paper ID: 78-46.4

Predicting SO2 Removal by Limestone/Lime Wet Scrubbing: Correlations of Shawnee Data

Author(s): CH Rowland, NE Bell, CC Leivo, HN Head

Annual Conference: 1978, Vol. 3

Paper ID: 78-46.5

Texas Air Control Board Requirements: New Kraft Pulp Mills and Wood-Fired Boilers

Author(s): GI Wallin, S Crowther, DW Hacerlah, RE James

Annual Conference: 1978, Vol. 3

Paper ID: 78-47.1

Injection Techniques for Improving Collection Efficiencies of Woodburning Cyclones

Author(s): JW Walton, EC Koontz Annual Conference: 1978, Vol. 3

Paper ID: 78-47.2

Observation of Field Performance of TRS Monitors on a Kraft Recovery Furnace

Author(s): AK Jain, RO Blosser, HS Oglesby

Annual Conference: 1978, Vol. 3

Paper ID: 78-47.4

Development of Champion Papers' Stack Gas Sampling/Calibration System Using a Calibration Probe

Author(s): AJ Navarre, C Ayer Annual Conference: 1978, Vol. 3

Paper ID: 78-47.5

Automated Data Acquisition System for Continuous Stack Monitors

Author(s): FD Huillet

Annual Conference: 1978, Vol. 3

Paper ID: 78-47.6

Mass Concentration, Particle Size and Soluble Salt Content of Suspended Particulates in the Desert Near Blythe, California

Author(s): HD Entrekin, RW Grover, A Sloan, RD Moore

Annual Conference: 1978, Vol. 4

Paper ID: 78-48.1

An Examination of Some Ambient Particulate Monitoring Techniques Used for Siting and Environmental Impact Assessment of Brackish Water Cooling Towers

Author(s): KR Wilber, RD Moore Annual Conference: 1978, Vol. 4

Paper ID: 78-48.2

Development and Verification of a Wet Cooling Tower Drift Deposition Model

Author(s): RW Miksad, MA Ratcliff Annual Conference: 1978, Vol. 4

Paper ID: 78-48.3

Maximum and Critical Ground Level Concentrations from a Synthetic Crude Oil Plant

Author(s): A Kumar, SG Djurfors Annual Conference: 1978, Vol. 4

Paper ID: 78-48.5

Investigation of the Atmospheric Chemistry of Emissions from Fuel Conversion Facilities

Author(s): JE Sickles, WC Eaton, LA Ripperton, RS Wright

Annual Conference: 1978, Vol. 4

Paper ID: 78-48.6

Impact on Local Air Quality from Coal-Fired Residential Furnaces

Author(s): RC Weber

Annual Conference: 1978, Vol. 4

Paper ID: 78-49.1

Energy Conservation and Emissions from Two Residential Furnaces Using an Emulsified Water-in-Oil Fuel

Author(s): H Whaley, RW Braaten, DG Savignac

Annual Conference: 1978, Vol. 4

Paper ID: 78-49.2

Cross-Feed Combustion for Clean Burning of Solid Fuels for Residences

Author(s): RB Engdahl

Annual Conference: 1978, Vol. 4

Paper ID: 78-49.3

Guidelines for Adjustment of Residential Gas Heating Equipment for Low Emissions and Good Efficiency

Author(s): RL Himmel, DW DeWerth, DW Locklin

Annual Conference: 1978, Vol. 4

Paper ID: 78-49.4

Field Study of Energy Efficiency Improvements on Residential Oil Heat Installations

Author(s): L Katzman, JP Monat Annual Conference: 1978, Vol. 4

Paper ID: 78-49.5

Instrumentation for Adjusting Burners for Improved Efficiency

Author(s): RH Torborg, U Bonne Annual Conference: 1978, Vol. 4

Paper ID: 78-49.6

The Clean Air Act Amendments of 1977 and the Satisfactory Measurement of Health Effects

Author(s): M Dole, SJ Storelli, CD Unger

Annual Conference: 1978, Vol. 1

Paper ID: 78-5.2

Carcinogen Regulation: An Analysis in Policy Development

Author(s): JR Kelley

Annual Conference: 1978, Vol. 1

Paper ID: 78-5.3

EPA's Tentative Regulations to Implement the Short-Term Standard for Nitrogen Dioxide

Author(s): AT Creekmore, JJ Sableski Annual Conference: 1978, Vol. 1

Paper ID: 78-5.4

On the Development of a Regional NOx Abatement Strategy

Author(s): LA Clarenburg, HHJ Goumans, JD Pearse, MA

Seaman

Annual Conference: 1978, Vol. 1

Paper ID: 78-5.5

Analysis of Long Range Transport of Suspended Particulate Matter into Florida: A Case Study

Author(s): KF Kosky, SR Marks Annual Conference: 1978, Vol. 1

Paper ID: 78-5.6

Routine Peroxyacetyl Nitrate (PAN) Monitoring Applied to the Houston Area Oxidant Study

Author(s): RT Jorgen, RA Meyer, RA Hughes

Annual Conference: 1978, Vol. 4

Paper ID: 78-50.1

Ambient Air Measurements Near a Petroleum Refinery

Author(s): K Sexton, H Westberg Annual Conference: 1978, Vol. 4

Paper ID: 78-50.2

Houston Oxidant Field Study: Summer 1977

Author(s): PR Monson, MA Ferman, NA Kelly

Annual Conference: 1978, Vol. 4

Paper ID: 78-50.4

Atmospheric Relationships between Ozone and Ozone Precursors

Author(s): SC Barton, HJ Wolff, RA Rae Annual Conference: 1978, Vol. 4

Paper ID: 78-50.5

Development of the Houston Area Oxidants Study Computer Data Base

Author(s): ET Upchurch

Annual Conference: 1978, Vol. 4

Paper ID: 78-50.6

Atmospheric Relationships between Ozone and Ozone Precursors

Author(s): SC Barton, HJ Wolff, RA Rae

Annual Conference: 1978, Vol. 4

Paper ID: 78-50.8

Ranking Air Pollution Sources by Population Exposure: Health Effects Assessment

Author(s): NL Nagda, LR Babcock Annual Conference: 1978, Vol. 4

Paper ID: 78-51.2

An Investigation of the Relationship Between Respiratory Morbidity and Ambient Air Pollution in Industrial Population

Author(s): CD NcCkumans, RK Severs, RH Forthofer, BJ

Selwyn, DE Jenkins

Annual Conference: 1978, Vol. 4

Paper ID: 78-51.4

Health Effects of Sulfuric Acid Mist

Author(s): FL Cavender, HW Sugg, BY Cockrell, WM Busey

Annual Conference: 1978, Vol. 4

Paper ID: 78-51.5

Aerosol, Characterization and Health Effects of Ammonium Sulfate, Ammonium Bisulfate and Sulfuric Acid Aerosols in Controlled Human-Exposures

Author(s): EL Avol, MP Jones, RM Bailey, MNN Chang, MT

Kleinman, WS Linn, JD Hackney, KA Bell

Annual Conference: 1978, Vol. 4

Paper ID: 78-51.6

The Effect of Air Pollution on Health, Labor Earnings and Hours of Work: Some Suggestive Results

Author(s): SB David, TD Crocker Annual Conference: 1978, Vol. 4

Paper ID: 78-52.1

Extraction of Pollution Costs from Urban Housing Data: A Multivariate Investigation of Multicollinearity and Specification Problems

Author(s): MD Soskin

Annual Conference: 1978, Vol. 4

Paper ID: 78-52.2

Household Cleaning Costs and Air Pollution

Author(s): WD Watson, JA Jaksch Annual Conference: 1978, Vol. 4

Paper ID: 78-52.3

Benefits and Costs of Maintaining Short-Term Sulfur Dioxide Standards in Non-Urban Areas

Author(s): AS Cohen

Annual Conference: 1978, Vol. 4

Paper ID: 78-52.4

Urban Auto Accident and Air Pollution: Some Economic Costs

Author(s): RK Koshal, M Koshal Annual Conference: 1978, Vol. 4

Paper ID: 78-52.6

Further Developments in Ozone Calibration Using Boric Acid Buffered KI

Author(s): DL Flamm, RJ Paur, KA Rehme

Annual Conference: 1978, Vol. 4

Paper ID: 78-53.4

Development of a Portable Air Monitoring System for Monitoring Air Quality for Indoor/Outdoor Exposure

Author(s): jh Berntsen, DE Glover, L Topol, RM Burton, WF

Bernard

Annual Conference: 1978, Vol. 4

Paper ID: 78-53.5

A Novel Sulfur 35 Tracer Technique for Sub-PPB Collection Efficiency Studies

Author(s): SJ Fernandez, SO Farwell, DF Adams

Annual Conference: 1978, Vol. 4

Paper ID: 78-53.6

Evaluation of Improvements to the COSPEC Instrument Family

Author(s): AR Barringer, J Davies, R Dick

Annual Conference: 1978, Vol. 4

Paper ID: 78-53.7

Single-Cylinder Diesel Engine Tests with Unstabilized Water-in-Fuel Emulsions

Author(s): RA Walter, JO Storment, CW Coon

Annual Conference: 1978, Vol. 4

Paper ID: 78-54.1

Another Look at the Effects of Manganese Fuel Additive (MMT) ON Automobile Emissions

Author(s): EP Holiday, MC Parkinson Annual Conference: 1978, Vol. 4

Paper ID: 78-54.2

Heavy Duty Diesel Particulate Emission Factors

Author(s): T Baines, JH Somers Annual Conference: 1978, Vol. 4

Paper ID: 78-54.3

Utilization Characteristics of Methanol as a Fuel for Motor Vehicles

Author(s): EE Ecklund, AJ Parker, TJ Timbario, DL Raley

Annual Conference: 1978, Vol. 4

Paper ID: 78-54.4

Closed Loop Carburetor Emission Control System

Author(s): GW Niepoth, JJ Gumbleton, RJ Haefner

Annual Conference: 1978, Vol. 4

Paper ID: 78-54.5

Evolution of Carbon Monoxide Pollution in Turin from 1971 to 1977

Author(s): PP Gaddo, F Corazzari, L Giacomelli

Annual Conference: 1978, Vol. 4

Paper ID: 78-54.6

Contribution of Fugitive Sources to Particulate Levels

Author(s): HC McKee

Annual Conference: 1978, Vol. 4

Paper ID: 78-55.1

Emission Factors for Fugitive Dust from Western Coal Mines

Author(s): RA Zimmer, K Axetell Annual Conference: 1978, Vol. 4

Paper ID: 78-55.3

Development of Fugitive Dust Emission Factors for Industrial Sources

Author(s): C Cowherd, RV Hendriks Annual Conference: 1978, Vol. 4

Paper ID: 78-55.4

The Application and Verification of Open Source Fugitive Emission Estimates

Author(s): AJ Chandler, JWS Young Annual Conference: 1978, Vol. 4

Paper ID: 78-55.5

Locating Fugitive Dust Emission Sources and Rates by Fluorescent Tracer Application to Cotton Ginning

Author(s): RM Bethea, CD Rowlett, PR Morey

Annual Conference: 1978, Vol. 4

Paper ID: 78-55.6

Evaluation of H2S Emissions at the Sand Asphalt Sulfur Pavement Project

Author(s): CJ Durrenberger, JE Cunningham

Annual Conference: 1978, Vol. 4

Paper ID: 78-56.1

Applications of Fabric Filters to Asphalt Plants

Author(s): HH Forsten

Annual Conference: 1978, Vol. 4

Paper ID: 78-56.2

A Theoretical Investigation of the Effect of Scrubber Water Quality on Asphalt Concrete Plant Emissions

Author(s): TW Beggs, UM Patankar Annual Conference: 1978, Vol. 4

Paper ID: 78-56.3

A Noise Survey and Analysis of Hot Mix Asphalt Plants

Author(s): RE Schreter

Annual Conference: 1978, Vol. 4

Paper ID: 78-56.4

Waste Oils as Fuel for the Hot Mix Asphalt Industry

Author(s): EJ Elliott, D Mooney Annual Conference: 1978, Vol. 4

Paper ID: 78-56.5

The Conversion of Aggregate Dryers from Petroleum Fuels to Colloidal Fuels

Author(s): DC Noll

Annual Conference: 1978, Vol. 4

Paper ID: 78-56.6

State of the Art Review of FGD Sludge Stabilization Using Lime/Flv Ash Admixtures

Author(s): DW Weeter

Annual Conference: 1978, Vol. 4

Paper ID: 78-57.1

The Environmental Impact of FGD Sludge Disposal

Author(s): JP Woodyard, DE Sanning Annual Conference: 1978, Vol. 4

Paper ID: 78-57.2

Properties of Stabilized FGD Sludge

Author(s): RW Goodwin, KN Parikh, HE Halpern

Annual Conference: 1978, Vol. 4

Paper ID: 78-57.3

Potential Groundwater Contamination Resulting from the Disposal of Flue Gas Cleaning Wastes, Fly Ash and SO2 Scrubber Sludge

Author(s): BF Jones, K Schwitzgebel Annual Conference: 1978, Vol. 4

Paper ID: 78-57.4

Dewatering of FLUE Gas Cleaning Waste by Gravity Settling

Author(s): AR Tarrer, BH Shah, SM Huang

Annual Conference: 1978, Vol. 4

Paper ID: 78-57.7

Controlling Benzene Emissions

Author(s): YH Kiang

Annual Conference: 1978, Vol. 4

Paper ID: 78-58.1

Phthalic Anhydride Plant Air Pollution Control

Author(s): TW Hughes, IA Jefcoat Annual Conference: 1978, Vol. 4

Paper ID: 78-58.3

Modified Wet Scrubbing of Organic Vapors Using Surfactants

Author(s): PN Cheremisinoff, RB Trattner, FC Matunas

Annual Conference: 1978, Vol. 4

Paper ID: 78-58.5

Thermal Oxidation Kinetics of Selected Organic Compounds

Author(s): KC Lee, HJ Jahnes, DC Macauley

Annual Conference: 1978, Vol. 4

Paper ID: 78-58.6

An Implant Treatment Method to the Problem of Gaseous Mercury Emissions form a Chlor-Alkali Plant

Author(s): XT Nguyen, A Gaulin Annual Conference: 1978, Vol. 4

Paper ID: 78-58.7

Flaring for Gaseous Control in the Petroleum Industry

Author(s): JF Straitz

Annual Conference: 1978, Vol. 4

Paper ID: 78-58.8

The Inhibition of Photochemical Smog by Diethylhydroxylamine

Author(s): K Partymiller, D Schaal, J Heicklen

Annual Conference: 1978, Vol. 5

Paper ID: 78-59.1

Reactivity of Diethylhydroxylamine, DEHA

Author(s): RA Gorse, RR Lii, BB Saunders

Annual Conference: 1978, Vol. 5

Paper ID: 78-59.3

Kinetics of Diethylhydroxylamine with Free Radicals

Author(s): ea Lissi, EB Abuin, MV Encina, S Diaz, HL

Sandoval

Annual Conference: 1978, Vol. 5

Paper ID: 78-59.4

The Auto Oxidation of Diethyl Hydroxilamine

Author(s): T Caceres, EA Lissi, E Sanhueza

Annual Conference: 1978, Vol. 5

Paper ID: 78-59.5

A Statistical Analysis of Factors Influencing Ozone

Concentrations in Southern Louisiana

Author(s): HJ Williamson, OM Friedrich Annual Conference: 1978, Vol. 5

Paper ID: 78-59.6

Some Limitations in the Use of Cancer Mortality Data in Epidemiological Studies

Author(s): SC Marcus

Annual Conference: 1978, Vol. 1

Paper ID: 78-6.2

Trends and Reliability of Data on Environmental Cancer

Author(s): RM Albrecht

Annual Conference: 1978, Vol. 1

Paper ID: 78-6.3

The Carcinogenicity of Some Air Pollutants

Author(s): JL Munn

Annual Conference: 1978, Vol. 1

Paper ID: 78-6.4

Retrospective Modeling of Ambient Concentrations of Benzo(a) Pyrene

Author(s): NL Nagda, JR Ward, BJ Mason, LS Pocinki

Annual Conference: 1978, Vol. 1

Paper ID: 78-6.5

Statistical Studies of Geographical Factors in Cancer Mortality: Association with Community Particulate Air

Pollution

Author(s): FW Lippert

Annual Conference: 1978, Vol. 1

Paper ID: 78-6.6

Development of Methodology to Improve the Characterization of Human Exposure in CHAMP Study

Areas

Areus

Author(s): MB Hertz, DT Mage, LT Heiderscheit

Annual Conference: 1978, Vol. 5

Paper ID: 78-60.3

The Residential Environment and Energy Conservation: Predicting Indoor Air Quality

Author(s): DJ Moschandreas, JWC Stark

Annual Conference: 1978, Vol. 5

Paper ID: 78-60.4

Indoor Air Quality Measurements in Energy Efficient Buildings

Author(s): CD Hollowell, JV Berk, GW Traynor

Annual Conference: 1978, Vol. 5

Paper ID: 78-60.6

A Regulatory View of Air Pollution Controls on Electric Arc Furnaces in Foundries and Steel Mills in Texas

Author(s): JC Caraway

Annual Conference: 1978, Vol. 5

Paper ID: 78-61.1

Electric Arc Furnace Fume Control at Lone Star Steel Company

Author(s): TR Blair, WL Martin Annual Conference: 1978, Vol. 5

Paper ID: 78-61.2

Particle Size Distribution in Operating Foundry Cupolas

Author(s): JW Davis

Annual Conference: 1978, Vol. 5

Paper ID: 78-61.3

The Proper Perspective on Sulfur Dioxide Emissions from the Primary Aluminum Industry

Author(s): LC Tropea, PR Atkins Annual Conference: 1978, Vol. 5

Paper ID: 78-61.4

Precoated Baghouse Control for Secondary Aluminum Smelting

Author(s): EJ Petkus, WT Thorp, GS Kimura

Annual Conference: 1978, Vol. 5

Paper ID: 78-61.5

"New Source" Pollution Controls at a Secondary Aluminum Plant

Author(s): A Pultz, CA Licht Annual Conference: 1978, Vol. 5

Paper ID: 78-61.6

Reducing Energy and Operating Cost in Hot Gas Filtration

Author(s): PR Langston

Annual Conference: 1978, Vol. 5

Paper ID: 78-62.1

A Model for Coal Fly Ash Filtration

Author(s): R Dennis, HA Klemm Annual Conference: 1978, Vol. 5

Paper ID: 78-62.5

Pressure Drop in a High Velocity-Pulse Jet Fabric Filter

Author(s): MJ Ellenbecker, D Leith Annual Conference: 1978, Vol. 5

Paper ID: 78-62.6

Applying Graphical Statistics in Air Pollution Work

Author(s): JO Ledbetter, JE Stevens Annual Conference: 1978, Vol. 5

Paper ID: 78-63.1

Analysis of Radon Errors in Air-Quality Measurements

Author(s): HJ Williamson, OM Friedrich, JD Stuart

Annual Conference: 1978, Vol. 5

Paper ID: 78-63.3

Time Series Characterization of Continuous Carbon Monoxide Measurements

Author(s): CS Hirtzel, JE Quon Annual Conference: 1978, Vol. 5

Paper ID: 78-63.4

Statistical Relationships Between Airborne Sulfate and Other Air Quality Variables

Author(s): RC Henry, GM Hidy Annual Conference: 1978, Vol. 5

Paper ID: 78-63.5

AN Air Quality Data Analysis System for Interrelating Effects, Standards and Needed Source Reductions: Part 6, Calculating Needed Source Reductions from an Analysis of Several Years of Air Quality Data

Author(s): RI Larson

Annual Conference: 1978, Vol. 5

Paper ID: 78-63.6

The Role of Tangential Firing and Fuel Properties in Attaining Low NOx Operation for Coal Fired Steam Generation

Author(s): WW Habelt, AP Selker Annual Conference: 1978, Vol. 5

Paper ID: 78-64.1

Air Pollution Control with Energy Recovery: Experience with Industrial Equipment

Author(s): AC Thekdi, HD Schmidt Annual Conference: 1978, Vol. 5

Paper ID: 78-64.3

Application of Flue Gas Desulfurization to Industrial Boilers

Author(s): RD Delleney, JAC Dickerman, WR Menzies

Annual Conference: 1978, Vol. 5

Paper ID: 78-64.4

Systematic Approach to AQCS Pilot Plant Data Analysis

Author(s): DM Farrell, PC Rader, MR Gogineni

Annual Conference: 1978, Vol. 5

Paper ID: 78-64.7

Constraints of the New Prevention of Significant Deterioration of Air Quality Regulation (40 CFR 52.2) ON Future Lignite Development in Texas

Author(s): DD Harper, JF Norton Annual Conference: 1978, Vol. 5

Paper ID: 78-65.1

Effects of the 1977 Clean Air Act Amendments on the Siting of Coal-Fired Power Plants in Complex Terrain

Author(s): JF Bowers, AJ Anderson, HE Cramer

Annual Conference: 1978, Vol. 5

Paper ID: 78-65.2

Coal Fired Power Plant Siting in the Western U.S. with Regard to Air Quality

Author(s): CR Landry, GR Findling Annual Conference: 1978, Vol. 5

Paper ID: 78-65.3

A Study of Damaging Fallout from Oil-Fired Boilers

Author(s): K Boldt, AH Laube Annual Conference: 1978, Vol. 5

Paper ID: 78-65.5

Utilization of Power Production and Air Quality Models to Develop a Cost Effective Sulfur Dioxide Emission Regulation Jacksonville, Florida--A Case Study

Author(s): RL Kapplemann, RT Dyer Annual Conference: 1978, Vol. 5

Paper ID: 78-65.6

The Florida Sulfur Oxides Study

Author(s): ER Hendrickson, RL Thompson

Annual Conference: 1978, Vol. 5

Paper ID: 78-65.7

Incineration of Hazardous Air Pollutants

Author(s): JC Reed, RK Chaturvedi, BL Moore

Annual Conference: 1978, Vol. 5

Paper ID: 78-66.1

Disposal of Toxic Chemical and Medical Waste by Incineration

Author(s): RV Carter, J Frick Annual Conference: 1978, Vol. 5

Paper ID: 78-66.3

The Control of Vinyl Chloride Emissions in Texas

Author(s): J Tarr, R McMurry Annual Conference: 1978, Vol. 5

Paper ID: 78-66.4

The Measurement of PCB Emissions from an Industrial Boiler

Author(s): TR Osag, JJ Slovinski, LR Walz

Annual Conference: 1978, Vol. 5

Paper ID: 78-66.5

Evaluation of the Sulfur Dioxide Emissions Characteristics of Western Coals: Application of Small Scale Performance

Author(s): MH Schwartz, B Baker, CR McGowin

Annual Conference: 1978, Vol. 5

Paper ID: 78-67.2

A System for Field Measurements of Environmental Odor Intensities and Odorant Concentrations Based on the ASTM Odor Reference Method

Author(s): RA Johnson

Annual Conference: 1978, Vol. 5

Paper ID: 78-68.1

Gas Phase Oxidation of Onion Dehydration Odors with

Author(s): JD Purkaple, C McGowan, RM Bethea, RW Tock

Annual Conference: 1978, Vol. 5

Paper ID: 78-68.2

The Colfax Packing Company Malodor Control System

Author(s): AC Dalev

Annual Conference: 1978, Vol. 5

Paper ID: 78-68.3

A Comparison of Polymer Adsorbent and Bag Sampling Techniques for Paint Bake Oven Odorous Emissions

Author(s): G Leonardos, F Sullivan, SP Levine, R Strodeur,

TM Harvey, D Schuetzle

Annual Conference: 1978, Vol. 5

Paper ID: 78-68.4

Use of a Fluctuating Plume Puff Model for Prediction of the Impact of Odorous Emissions

Author(s): DR Murray, SS Cha, NE Bowne

Annual Conference: 1978, Vol. 5

Paper ID: 78-68.6

EPA's Requirement for Lead Implementation Plans

Author(s): JJ Silvasi, JJ Sableski Annual Conference: 1978, Vol. 5

Paper ID: 78-69.1

Reduction of Chicago Area Lead Caused by Changes in Gasoline Usage

Author(s): TB Clyne

Annual Conference: 1978, Vol. 5

Paper ID: 78-69.2

Ambient Lead Concentrations at Four Army Installations

Author(s): DC Guzewich, WJB Pringle, RB Adams, RV

Carter

Annual Conference: 1978, Vol. 5

Paper ID: 78-69.3

Lead and Cadmium Concentrations in Suspended Particles at Two Sampling Stations in Mexico City

Author(s): ME Espinosa, Y Falcon, IAC Esoejel, S Salazar

Annual Conference: 1978, Vol. 5

Paper ID: 78-69.4

Development of Lead Emission Factor for Reentrained Dust from Paved Roadways

Author(s): CM Maxwell, DW Nelson Annual Conference: 1978, Vol. 5

Paper ID: 78-69.5

Bromine Loss from Automotive Particulates at California Sites

Author(s): RA Eldred, TA Cahill, RG Flocchini

Annual Conference: 1978, Vol. 5

Paper ID: 78-69.6

Determining Inorganic and Alkyl Emissions from Stationary Sources

Author(s): WJ Mitchell, MR Midgett Annual Conference: 1978, Vol. 5

Paper ID: 78-69.7

Multimedia Emissions from Pressurized Fluidized Bed Combustion of Coal

Author(s): JM Allen, KM Duke Annual Conference: 1978, Vol. 5

Paper ID: 78-69.8

A Critical Survey of Measurements of Foliar Deposition of Airborne Sulfates and Nitrates

Author(s): JH Shinn

Annual Conference: 1978, Vol. 1

Paper ID: 78-7.2

Injury to Vegetation Icited by Sulfuric Acid Aerosols and Acidic Rain

Author(s): DS Lang, SV Krupa Annual Conference: 1978, Vol. 1

Paper ID: 78-7.3

Sulfur Concentrations in Plant Foliage and Effects

Author(s): SN Linzon, PJ Temple, RG Pearson

Annual Conference: 1978, Vol. 1

Paper ID: 78-7.4

Effects of Acculated Nitrates on Plants

Author(s): JC Noggle, HC Jones, JM Kelly

Annual Conference: 1978, Vol. 1

Paper ID: 78-7.5

Measurement of Biogenic Sulfur-Containing Gas Emissions from Soils and Vegetation

Author(s): DF Adams, MR Pack, WL Bamesberger, AE

Sherrard

Annual Conference: 1978, Vol. 1

Paper ID: 78-7.6

Ambient NO x Levels Due to Mobile Sources Near the Dallas/Fort Worth Turnpike-A Dispersion Model Validation Study

Author(s): MAHaecker, JD Stuart Annual Conference: 1978, Vol. 5

Paper ID: 78-70.1

International Study of the Effects of Passenger Car Maintenance on Fuel Economy and Emissions

Author(s): DL Walker

Annual Conference: 1978, Vol. 5

Paper ID: 78-70.3

Idle Emissions from New York Vehicles: An Analysis over Five Years

Author(s): MP Helme, WJ Pienta Annual Conference: 1978, Vol. 5

Paper ID: 78-70.6

Impacts of the National Energy Plan on Regional Coal Production

Author(s): IW Yabroff, EM Dickson Annual Conference: 1978, Vol. 5

Paper ID: 78-70.7

Leachate from Disposal of FGD Sludge in Deep Mines

Author(s): WA Duvel, JR Rapp, RA Atwood, GL Merritt

Annual Conference: 1978, Vol. 5

Paper ID: 78-71.1

Comparative Economics of FGD Sludge Disposal

Author(s): JW Barrier, HL Facett, LJ Henson

Annual Conference: 1978, Vol. 5

Paper ID: 78-71.2

State-of-the-Art of FGD Sludge Fixation

Author(s): WA Duvel, RJ McLaren, RG Knight, TM Morsaky

Annual Conference: 1978, Vol. 5

Paper ID: 78-71.3

Landfill and Ponding Concepts for FGD Sludge Disposal

Author(s): J Rossoff, PP Leo, RB Fling Annual Conference: 1978, Vol. 5

Paper ID: 78-71.4

Computerized Heat and Material Balance for Ultimate Sludge Disposal

Author(s): FW Holm, JR Samples Annual Conference: 1978, Vol. 5

Paper ID: 78-71.5

Application of Ion Chromatography for the Analysis of Lime/Limestone Based SO2 Scrubber Solutions

Author(s): LJ Holcombe, JC Terry Annual Conference: 1978, Vol. 5

Paper ID: 78-71.6

Controlling Steam Plume from Stack Exhaust

Author(s): YH Kiang

Annual Conference: 1978, Vol. 5

Paper ID: 78-76.3

Some Aspects of Dust Filtration Processes

Author(s): JR Koscianowski, L Koscianowska

Annual Conference: 1978, Vol. 5

Paper ID: 78-76.4

Estimation of Ground Level Concentration Due to Emissions from Rupture Disc Failure and Relief Value Openings

Author(s): PK Chalekode Annual Conference: 1978, Vol. 5

Paper ID: 78-76.5

Estimating Concentrations of Contaminants Issuing from High Pressure Leaks from Oil and Gas Production

Author(s): JO Ledbetter Annual Conference: 1978, Vol. 5

Paper ID: 78-76.7

Visibility Measurements Using Human Observes

Author(s): JW Hathorn

Annual Conference: 1978, Vol. 5

Paper ID: 78-77.1

Reducing NOx Emissions by Ammonia Injection

Author(s): RK Lyon, AR Tenner Annual Conference: 1978, Vol. 1

Paper ID: 78-8.1

Hydrocarbon Emissions from Fixed-Roof Storage Tanks

Author(s): AL Wilson, RD Harrer, DR Holtz

Annual Conference: 1978, Vol. 1

Paper ID: 78-8.3.

Preliminary Air Pollution Assessments of the Air Pollution Potential in Saudi Arabia

Author(s): JW Bradstreet, JR Mahoney, AM Sacco, AA Al-

Gain, ME Tasan, M Nowailaty Annual Conference: 1978, Vol. 1

Paper ID: 78-8.6

Effectiveness of a Wet Electrostatic Precipitator for Controlling POM Emissions from Coke Oven Door Leakage

Author(s): RE Barrett, PR Webb, CE Riley, AR Trenholm

Annual Conference: 1978, Vol. 1

Paper ID: 78-9.3

Plume Parameters and Particulate Emissions from the By-Product Coke Oven Pushing Operation

Author(s): RB Jacko, DW Neuendorf, JR Blandford

Annual Conference: 1978, Vol. 1

Paper ID: 78-9.4

Basic Iron Blast Furnace Cast House Emissions and Emission Control

Author(s): R McCrillis

Annual Conference: 1978, Vol. 1

Paper ID: 78-9.5

Application of High Gradient Magnetic Separation to Fine Particle Control

Author(s): DC Drehmel, CH Gooding Annual Conference: 1978, Vol. 1

Paper ID: 78-9.7

The National Training Program in Air Pollution Control in Canada

Author(s): EM Zechel

Annual Conference: 1977, Vol. 1

Paper ID: 77-10.1

How New Jersey Higher Education is Responding to Industrial Continuing Education Needs

Author(s): SP Siebert

Annual Conference: 1977, Vol. 1

Paper ID: 77-10.2

Continuing Education at Union Carbide

Author(s): RB McBride

Annual Conference: 1977, Vol. 1

Paper ID: 77-10.3

Academic Training in the Development of Air Pollution Abatement Practitioners

Author(s): FA Stinson, HBHCooper Annual Conference: 1977, Vol. 1

Paper ID: 77-11.1

A Comparison of the Particulate Matter Obtained using a Dilution Sampling System and a Method 5 Sampling System

Author(s): RJ Heinsohn, JG Wehrman, JW Davis, GW

Anderson

Annual Conference: 1977, Vol. 1

Paper ID: 77-12.1

Simultaneous E.P.A. Method 5 and High Volume Sampling of /wood Fired Boilers

Author(s): RW Boubel, JM Morford Annual Conference: 1977, Vol. 1

Paper ID: 77-12.2

Evaluation of EPA Method 5 Probe Deposition and Filter Media Efficiency

Author(s): JC Elder, MI Tillery, HJ Ettinger

Annual Conference: 1977, Vol. 1

Paper ID: 77-12.3

Development of a Source Sampling Technique for Toluene Di-Isocyanate

Author(s): JF McDonald, M Hach, D Mozzon, A Nicholson, V

Ozvacic

Annual Conference: 1977, Vol. 1

Paper ID: 77-12.5

The Role of the Regulatory Agency Observer in a Source Emission Test

Author(s): JB Feldman

Annual Conference: 1977, Vol. 1

Paper ID: 77-12.6

Particulate Sampling Techniques for a Coke Quench Tower

Author(s): AH Laube, J Jeffrey, C Edlund

Annual Conference: 1977, Vol. 1

Paper ID: 77-12.7

Ambient Air Impact of Nontraditional Sources of Particulates

Author(s): GL Deane, TG Pace Annual Conference: 1977, Vol. 2

Paper ID: 77-13.2

A Comparative Study of Particulate Monitoring by Beta Gage, Hi-Vol. And COH Tape Samplers

Author(s): DKN Leong, DJ Ogner Annual Conference: 1977, Vol. 2

Paper ID: 77-13.3

Quantification of Relationship between Monitor Height and Measured Particulate Levels in 7 U.S. Urban Areas

Author(s): TG Pace, WP Freas, EM Afify

Annual Conference: 1977, Vol. 2

Paper ID: 77-13.4

Particulate Characterization and Source Identification Using Optical Microscopy and X-Ray Fluorescence Spectroscopy

Author(s): JP Gise

Annual Conference: 1977, Vol. 2

Paper ID: 77-13.5

Particulate Air Quality- Emission and Transport Around Southeast Chicago

Author(s): JW Lin

Annual Conference: 1977, Vol. 2

Paper ID: 77-13.6

Control of Fine Particulate from Coal-Fired Utility Boilers

Author(s): MF Szabo, RW Gerstle, KP Ananth

Annual Conference: 1977, Vol. 2

Paper ID: 77-14.1

Economic Comparison of Selected Scenarios for Electrostatic Precipitators and Fabrics Filters

Author(s): DV Bubenick

Annual Conference: 1977, Vol. 2

Paper ID: 77-14.2

Constraints Associated with Utilization of Low Sulfur Western Coal

Author(s): GN Reddy

Annual Conference: 1977, Vol. 2

Paper ID: 77-14.5

Weight Collection Efficiency for a Utility Boiler Baghouse

Author(s): RW Cass, RM Bradway Annual Conference: 1977, Vol. 2

Paper ID: 77-14.7

Emission Estimates of Organic and Inorganic Compounds from Coal Fired Fluidized Bed Combustion

Author(s): PF Fennelly

Annual Conference: 1977, Vol. 2

Paper ID: 77-14.8

Character and Transformation of Pollutants from Major Fossil-Fuel Energy Sources

Author(s): DS Shriner, SB McLaughlin, CF Baes

Annual Conference: 1977, Vol. 2

Paper ID: 77-15.1

Implication of Weather Patterns in the Regulation of oxidant Air Pollution Stress on Forest Vegetation

Author(s): PR Miller, MH McCutchan Annual Conference: 1977, Vol. 2

Paper ID: 77-15.3

The Biological Effects of Air Pollution from Fossil Fuel Burning Power Plants in the Northcentral Great Plains

Author(s): RA Lewis, EM Preston, NR Glass

Annual Conference: 1977, Vol. 2

Paper ID: 77-15.4

The Effects of Precipitation on Aquatic and Terrestrial Ecosystems- A Proposed Precipitation Chemistry Network

Author(s): JN Galloway, EB Cowling Annual Conference: 1977, Vol. 2

Paper ID: 77-15.5

The Process of Developing Guidelines for Airborne Particulate Emissions from the Canadian Hot Mix Asphalt Industry

Author(s): JE Robert

Annual Conference: 1977, Vol. 2

Paper ID: 77-16.1

Control Technology Evaluation of the Drum-Mix Process for Asphalt Concrete Manufacturing

Author(s): U Patankar, KE Foster Annual Conference: 1977, Vol. 2

Paper ID: 77-16.2

Fabric Filter Applications on Drum Mix Asphalt Plants

Author(s): FW Prill, LV Binz, DR Noll Annual Conference: 1977, Vol. 2

Paper ID: 77-16.3

Polycyclic Organic Materials Emissions from Asphalt Hot Mix Plants

Author(s): ZS Khan, GW Buttler, TW Hughes

Annual Conference: 1977, Vol. 2

Paper ID: 77-16.4

The Formation of Carbon Monoxide (CO) in Aggregate Dryers

Author(s): RE Schreter

Annual Conference: 1977, Vol. 2

Paper ID: 77-16.5

When to Pilot and When to Use Theoretical Predictions of Required Venturi Pressure Drop

Author(s): RW McIlvaine

Annual Conference: 1977, Vol. 2

Paper ID: 77-17.1

Demister Design for Limestone Slurry Scrubber

Author(s): N Sekhar

Annual Conference: 1977, Vol. 2

Paper ID: 77-17.3

Coal Dryer Emission Control with the Energy Saving Centripetal Vortex Wet Scrubber

Author(s): AJ Buonicore, ES Yankura, N Ostojic

Annual Conference: 1977, Vol. 2

Paper ID: 77-17.5

Condensable Organics Removal with Wet Scrubbers

Author(s): A Gurney, RJ Chironna Annual Conference: 1977, Vol. 2

Paper ID: 77-17.6

Energy Saving with the Centripetal Vortex Scrubber

Author(s): N Ostojic, ES Yankura, AJ Buonicore

Annual Conference: 1977, Vol. 2

Paper ID: 77-17.8

Use of Economic Incentives to Achieve Environmental Objectives

Author(s): RO Reid, SJ Karash, AC Basala

Annual Conference: 1977, Vol. 2

Paper ID: 77-18.1

Cost Benefit Analysis of Sulfur Oxide Regulations

Author(s): RD Coleman, MO Lerner, CE Mann, JG Holmes

Annual Conference: 1977, Vol. 2

Paper ID: 77-18.2

The Costs of Pollution Induced Mortality in Allegheny County

Author(s): JJ Gregor

Annual Conference: 1977, Vol. 2

Paper ID: 77-18.5

Air Pollution and Morbidity Damage Functions

Author(s): BC Liu, esh Yu Annual Conference: 1977, Vol. 2

Paper ID: 77-18.6

The Association of Air Pollution with Human Mortality: Multiple Regression Results for 136 U.S. Cities, 1969

Author(s): FW Lippert

Annual Conference: 1977, Vol. 2

Paper ID: 77-18.7

Incineration of Hazardous Substances

Author(s): WH Elliott, WB McCormack

Annual Conference: 1977, Vol. 2

Paper ID: 77-19.1

Development of Effective Incineration Processes for Toxic Organic Air Pollutants

Author(s): RE Kenson, SS Cha, RP Huston, RA Duffee, TG

Hopper

Annual Conference: 1977, Vol. 2

Paper ID: 77-19.2

A Laboratory Approach to Thermal Degradation of Organic Compounds

Author(s): RA Carnes, DS Duvall, WA Rubey

Annual Conference: 1977, Vol. 2

Paper ID: 77-19.3

Evaluation of Emissions of Polychlorinated Biphenyl (PBC) Compounds from the Incineration of Municipal Refuse and Sewage Sludge

Author(s): JB Feldman, WJ Andrade, CR Sanborn

Annual Conference: 1977, Vol. 2

Paper ID: 77-19.4

Disposal of WW 11 Mustard Gas Hydrolysate by Burning

Author(s): DJ Currie, RS Weaver, BG Cameron

Annual Conference: 1977, Vol. 2

Paper ID: 77-19.5

Design, Testing and Performance of a Caustic Scrubber System for the Control of Phosgeme Emissions

Author(s): S Kistner, D Lillian, J Ursillo, N Smith, K Sexton,

M Tuggle, G Esposito, G Pidolak, S Mallen

Annual Conference: 1977, Vol. 2

Paper ID: 77-19.6

Test Program for an Ionizer-Precipitator Fine Particle Dust Collection System

Author(s): HW Spencer, JJ Schwab, OJ Tassicker

Annual Conference: 1977, Vol. 1

Paper ID: 77-2.1

Monitoring for Compliance with Particulate Matter Standards

Author(s): JH Menczel, GJ Marciante, JA Spatola, SM

McCarthy

Annual Conference: 1977, Vol. 1

Paper ID: 77-2.2

Effect of Unburned Carbon on Electrical Resistivity of Fly Ash

Author(s): N Sekhar

Annual Conference: 1977, Vol. 1

Paper ID: 77-2.5

Fine Particle Charging Experiments

Author(s): LG Feliox, DH Hussey, DH Pontius, WB Smith,

LE Sparks

Annual Conference: 1977, Vol. 1

Paper ID: 77-2.6

Transport of Suspended Particulates into the New York Metropolitan Area

Author(s): GT Wolff, PJ Lioy Annual Conference: 1977, Vol. 1

Paper ID: 77-2.7

The Fluid Electrode Precipitation--A Continuous Cleaning Electrostatic Precipitator

Author(s): BJ Claassen

Annual Conference: 1977, Vol. 1

Paper ID: 77-2.8

Point Source Modeling for Reactive Plumes in Complex Terrain

Author(s): JC Wilson, AJ Fabrick, RC Sklarew

Annual Conference: 1977, Vol. 2

Paper ID: 77-20.1

Transport of Ozone Associated with an Air Mass

Author(s): GT Wolff, PJ Lioy, GD Wight, RE Meyers, RT

Cederwall

Annual Conference: 1977, Vol. 2

Paper ID: 77-20.3

Relationship of Ozone to Meteorological Conditions in Southern Ontario

Author(s): D Yap, YS Chung Annual Conference: 1977, Vol. 2

Paper ID: 77-20.4

Some Statistical Relationships between Oxidant, Ozone and Meteorological Variables

Author(s): $\stackrel{\frown}{RK}$ Severs, MS West Annual Conference: 1977, Vol. 2

Paper ID: 77-20.5

Lagrangian Studies of Ozone Concentrations in the Sacramento River Delta

Author(s): WF Dabberdt, E Shelar, C Bhumralkar

Annual Conference: 1977, Vol. 2

Paper ID: 77-20.6

EPA Review of State Implementation Plan Control Strategies for Particulate Matter

Author(s): AT Creekmore, JJ Sableski Annual Conference: 1977, Vol. 2

Paper ID: 77-21.1

Impact of Reactivity Criteria on Organic Emission Control Strategies for Los Angeles

Author(s): JC Trijonis, B Dimitriades, K Arledge

Annual Conference: 1977, Vol. 2

Paper ID: 77-21.2

Regulation Development with a Case Example of SO2 in Ohio

Author(s): MO Lerner, RD Coleman, BS Ballard

Annual Conference: 1977, Vol. 2

Paper ID: 77-21.4

New Source Review Rules in the South Coast Air Basin of California

Author(s): EE Lemke, SM Weiss, JC Mosher

Annual Conference: 1977, Vol. 2

Paper ID: 77-21.5

Prevention of Significant Deterioration of Air Quality: A Western Viewpoint

Author(s): L Johnson, DB Joseph, C Stevens, JT Dale

Annual Conference: 1977, Vol. 2

Paper ID: 77-21.6

Enforcement Management System

Author(s): SD Dennis, KA Hagg, GP Serenyi, S Shanks, P

Hagerty

Annual Conference: 1977, Vol. 2

Paper ID: 77-22.1

Air Pollution Technical Information Network: A Revised Approach

Author(s): P Halpin, JE Knight Annual Conference: 1977, Vol. 2

Paper ID: 77-22.2

EPA's Tentative Requirements for Lead Implementation Plans

Author(s): JJ Sableski, J Silvasi Annual Conference: 1977, Vol. 2

Paper ID: 77-22.3

Air Quality Improvement Can Accompany Growth

Author(s): HG McAdie, JA McCoubrey Annual Conference: 1977, Vol. 2

Paper ID: 77-23.1

A Regulatory Criteria for Emissions from Vapors Recovery Systems at Bulk Terminals

Author(s): JW Hammond, W Reilly Annual Conference: 1977, Vol. 2

Paper ID: 77-23.2

Storage Tank Emissions: Vapor Air Stratification Versus Control Possibilities

Author(s): LR Ivey

Annual Conference: 1977, Vol. 2

Paper ID: 77-23.3

Emissions and Energy Conservation in Residential Oil Heating

Author(s): ACS Hayden, RW Braaten, TD Brown

Annual Conference: 1977, Vol. 3

Paper ID: 77-24.1

Guidelines for Residential Oil-Burner Adjustment to Minimize Pollutant Emissions

Author(s): DW Locklin, RE Barrett, RE Hall

Annual Conference: 1977, Vol. 3

Paper ID: 77-24.3

Further Measurements of Emissions from Gas-Fired Appliances

Author(s): RL Himmel, EA Tausch, DW DeWerth

Annual Conference: 1977, Vol. 3

Paper ID: 77-24.4

Emissions and Operating Characteristics of a Modulating Ultrasonic Distillate Oil Burner

Author(s): HL Berger

Annual Conference: 1977, Vol. 3

Paper ID: 77-24.6

Carbon Monoxide Emissions from Sintering Plants and BOF Plants in Steel Mills

Author(s): EJ Petkus, WT Throp, WS Kimura, JZ Sokolowski

Annual Conference: 1977, Vol. 3

Paper ID: 77-25.1

Polychlorinated Bipendyl Emissions from a Municipal Incinerator

Author(s): EJ Petkus, GS Kimura, WT Throp

Annual Conference: 1977, Vol. 3

Paper ID: 77-25.2

Particulate and Sulfur Dioxide Removal System at Rickenbacker Air Force Base

Author(s): JE McCarthy

Annual Conference: 1977, Vol. 3

Paper ID: 77-25.3

Mist Eliminator Design and Application

Author(s): RP Tennyson

Annual Conference: 1977, Vol. 3

Paper ID: 77-25.4

Reduction of Carbon Monoxide from Domestic Kerosene Heaters

Author(s): M Rashidi, MS Massoudi, F Shadman

Annual Conference: 1977, Vol. 3

Paper ID: 77-25.5

Reference Points for Particulate Emission Code

Author(s): YH Kiang

Annual Conference: 1977, Vol. 3

Paper ID: 77-25.6

Conversion of Oil Fired Boilers to Coal Firing

Author(s): ST Potterton, JT Proterra Annual Conference: 1977, Vol. 3

Paper ID: 77-26.1

Control of Emission from a Secondary Aluminum Furnace

Author(s): MA Khan

Annual Conference: 1977, Vol. 3

Paper ID: 77-26.2

Research on the Simultaneous Removal of SO x and Particulates from Stoker-Fired Boilers

Author(s): WT Davis, TC Kenner, CS Means, RB Dooley

Annual Conference: 1977, Vol. 3

Paper ID: 77-26.3

A Review of Pulse Jet Baghouse and Dual Mechanical Collector Performance on Spreader Stoker Fired Boilers

Author(s): DE McKee, RE Lucas, JF Smith

Annual Conference: 1977, Vol. 3

Paper ID: 77-26.4

Guidelines for Industrial Boiler Performance Improvement

Author(s): RE Thompson, RE Hall Annual Conference: 1977, Vol. 3

Paper ID: 77-26.5

Environmental Assessment of the Fluidized-Bed Combustion of Coal-Methodology and Initial Results

Author(s): KS Murthy, H Nack, DB Henschel

Annual Conference: 1977, Vol. 3

Paper ID: 77-26.6

A Dynamic Sampling-Dilution System for Use in Conjunction with Fine Particle Counters in a Source

Author(s): EY Baladi, RC Stultz Annual Conference: 1977, Vol. 3

Paper ID: 77-27.1

Design and Operation of a Sampling Interface for Continuous Source Monitors

Author(s): AW Wyss, BD Stroud Annual Conference: 1977, Vol. 3

Paper ID: 77-27.2

Interferences and Oxygen Errors in NDIR Analyses for CO and CO2

Author(s): DJ Robertson, RH Groth, DG Gardner

Annual Conference: 1977, Vol. 3

Paper ID: 77-27.3

Continuous In-Situ Particulate Mass Concentration Measurements of Industrial Discharges

Author(s): hw Schmitt, RJ Nuspliger, G Kreikebaum

Annual Conference: 1977, Vol. 3

Paper ID: 77-27.4

A Continuous Monitoring System for Sulfur Dioxide Mass Emissions from Stationary Sources

Author(s): R Rollins

Annual Conference: 1977, Vol. 3

Paper ID: 77-27.5

Field Evaluation of a Prototype H2S Monitor for Refinery Fuel Gas Lines

Author(s): WL Wheaton, GW Scheil Annual Conference: 1977, Vol. 3

Paper ID: 77-27.6

Standardization of Air Sampling Methods by the Intersociety Committee

Author(s): RF Toro, GJ Kupchik Annual Conference: 1977, Vol. 3

Paper ID: 77-28.1

An Integrated System for Aircraft Sampling of Remote Tropospheric Aerosols and Acidic Gases

Author(s): BJ Huebert, AL Lazrus, AC Delaney

Annual Conference: 1977, Vol. 3

Paper ID: 77-28.3

A Method for the Continuous Measurement of Reactive Hydrocarbons

Author(s): SC Barton, EN Turner Annual Conference: 1977, Vol. 3

Paper ID: 77-28.4

AN Ambient Air Survey for Polychlorinated Biphenyls in Ontario

Author(s): OW Berg, RB Caton, RD Smillie, RDS Stevens

Annual Conference: 1977, Vol. 3

Paper ID: 77-28.5

A New Approach for Measuring Atmospheric Concentrations of Ammonia

Author(s): JR Farber, AT Rossano Annual Conference: 1977, Vol. 3

Paper ID: 77-28.6

Plume Dispersion Modeling in Complex Terrain Under Stable Atmospheric Conditions

Author(s): AA Slowik, JM Austin, GN Pica

Annual Conference: 1977, Vol. 3

Paper ID: 77-29.1

Comparison of Observed and Calculated Concentrations in the Vicinity of Two Large Point Sources on Long Island, New York

Author(s): JC Pace, FW Lipfert, TF Lavery

Annual Conference: 1977, Vol. 3

Paper ID: 77-29.3

Worst Case Meteorological Conditions for 24-Hour Concentrations from an Array of Tall Stacks

Author(s): GA Beals, PC Freudenthal Annual Conference: 1977, Vol. 3

Paper ID: 77-29.4

Relationships Among Observed Short-Term Maximum Sulfur Dioxide Concentrations Near Coal-Fired Power Plants

Author(s): JR Martin, RW Reeves Annual Conference: 1977, Vol. 3

Paper ID: 77-29.5

Oxidation of Flue Gas Desulfurization Waste and the Effect on Treatment Modes

Author(s): RW Goodwin, RE Byrne Annual Conference: 1977, Vol. 3

Paper ID: 77-29.7

Process in Achieving Consistency between Transportation and Air Quality Plans

Author(s): JA Kurtzweg Annual Conference: 1977, Vol. 1

Paper ID: 77-3.1

Inspection/Maintenance and Public Acceptance

Author(s): RF Iacobell

Annual Conference: 1977, Vol. 1

Paper ID: 77-3.2

Auto Emission Inspection Test Variability

Author(s): J Elston

Annual Conference: 1977, Vol. 1

Paper ID: 77-3.3

Improving the Emission Performance of Vehicles in the Field

Author(s): R Reid

Annual Conference: 1977, Vol. 1

Paper ID: 77-3.4

A Correlation Analysis of Exhaust Emission Test Results from 1975 Model Cars

Author(s): DH Davis

Annual Conference: 1977, Vol. 1

Paper ID: 77-3.5

Vegetation Surveillance Around Aluminum Smelters

Author(s): DL Backenstose Annual Conference: 1977, Vol. 3

Paper ID: 77-30.1

Fluoride Levels in Air, Vegetation and Soil in the Vicinity of a Phosphorus Plant

Author(s): SS Sidhu

Annual Conference: 1977, Vol. 3

Paper ID: 77-30.2

Response of Bush Bean Exposed to Acid Mist

Author(s): IJ Hindawi, JA Rea, WL Griffis

Annual Conference: 1977, Vol. 3

Paper ID: 77-30.4

Response of Oats to Sulfur Dioxide; Interactions of Growth Temperature with Exposure Temperature or Humidity

Author(s): WW Heck, JA Dunning Annual Conference: 1977, Vol. 3

Paper ID: 77-30.5

On the Nature of Environmental Granin Dust Pollution on the Canadian Prairie

Author(s): K Yoshida, SR Shewchuk, J Maybank

Annual Conference: 1977, Vol. 3

Paper ID: 77-30.6

Engineering-Science Air Quality System (ESAQ)

Author(s): ME Lukey, JK Allison, TA LiPuma

Annual Conference: 1977, Vol. 3

Paper ID: 77-30.7

Trade-Offs in Policy Formulation on Energy Supply and Environmental Strategies

Author(s): JM Deutch

Annual Conference: 1977, Vol. 3

Paper ID: 77-31.1

The Air Quality and Energy Implications of Restrictive Fuel Oil SO2 Emission Limitations

Author(s): RK Raufer, DP Kuhaneck, JE Norco

Annual Conference: 1977, Vol. 3

Paper ID: 77-31.4

Intercity Passenger Transportation Environmental Considerations

Author(s): JA Riehl

Annual Conference: 1977, Vol. 3

Paper ID: 77-31.5

Possible Climatic Alternations by Man

Author(s): W Bach

Annual Conference: 1977, Vol. 3

Paper ID: 77-31.6

Dust Penetration Mechanisms in a High Velocity Pulse-Jet Filter

Author(s): D Leith, MW First Annual Conference: 1977, Vol. 3

Paper ID: 77-32.1

The Impact of Total Annual Costs on the Design of Fabric Filtration Systems

Author(s): CS Means, EG Burdette, WT Davis

Annual Conference: 1977, Vol. 3

Paper ID: 77-32.2

Observed Dust Dislodgement from Woven Fabrics and Its Measured and Predicted Effect on Filter Performance

Author(s): R Dennis, RW Cass, RR Hall

Annual Conference: 1977, Vol. 3

Paper ID: 77-32.3

High Temperature Fine Particle Control Using Ceramic Filters

Author(s): DC Drehmel, DF Ciliberti Annual Conference: 1977, Vol. 3

Paper ID: 77-32.4

Granular Bed Filter Study

Author(s): SC Yung, RG Patterson, S Calvert, DC Drehmel

Annual Conference: 1977, Vol. 3

Paper ID: 77-32.6

Development and Testing of an In-Stack Virtual Impactor

Author(s): DP Anderson, P Lilienfeld Annual Conference: 1977, Vol. 3

Paper ID: 77-32.7

A Case Study of Social and Sociodeconimic Effects of Thermal Power Plant Development at Colstrip, Montana

Author(s): RL Gold

Annual Conference: 1977, Vol. 3

Paper ID: 77-33.1

Western Boomtowns: Part1: (Abridgement) a Comparative Analysis of State Actions

Author(s): DA Rapp

Annual Conference: 1977, Vol. 3

Paper ID: 77-33.2

An Analysis of the Socioeconomic Impacts of Alternative Siting Patterns: Minemouth Versus Remote Electric Generation

Author(s): JE Metzger, EJ Stenehjem Annual Conference: 1977, Vol. 3

Paper ID: 77-33.3

Effects of Energy Development on Air Quality in the Rocky Mountain West

Author(s): GW Hinman, EM Leonard Annual Conference: 1977, Vol. 3

Paper ID: 77-33.5

National Economic Impacts of Western Energy Development

Author(s): EB Rappaport, EJ Malecki Annual Conference: 1977, Vol. 3

Paper ID: 77-33.6

The Use of Electrostatic Precipitators for Collection of Particulate Matter from Bark Fired Boilers in the Paper Industry

Author(s): RL Bump

Annual Conference: 1977, Vol. 4

Paper ID: 77-34.1

A Continuous Particulate Monitor for Use in the Pulp and Paper Industry

Author(s): SC Barton, EN Turner Annual Conference: 1977, Vol. 4

Paper ID: 77-34.2

An Evaluation of the Contributions from Two Isolated Sulfite Pulp Mills to Ambients SO2 Concentrations, Particulate Matter Concentrations and Foliage Sulfur Content

Author(s): TM Gilmore, SW Hungerford Annual Conference: 1977, Vol. 4

Paper ID: 77-34.3

Megavolume Respirable Particulate Sampler (Mark 11)

Author(s): RI Mitchell, WM Henry, NC Henderson, RJ

Thompson, RM Burton

Annual Conference: 1977, Vol. 4

Paper ID: 77-35.1

Submicron Particle Sizing with UW Mark 4 Cascade Impactor

Author(s): MJ Pilat, EB Powell, RC Carr Annual Conference: 1977, Vol. 4

Paper ID: 77-35.2

Non-Ideal Behavior in Cascade Impactors

Author(s): JD McCain, JE McCormack, DB Harris

Annual Conference: 1977, Vol. 4

Paper ID: 77-35.3

Calibration of Andersen Nonviable Impactor under Special Conditions of High Flow and Membrane Filter Surface Coating

Author(s): JC Elder, MI Tillery, HJ Ettinger

Annual Conference: 1977, Vol. 4

Paper ID: 77-35.4

A Procedure for Computing Particle Size Dependent Efficiency for Control Devices from Cascade Impactor Data

Author(s): GR Markowski, DS Ensor Annual Conference: 1977, Vol. 4

Paper ID: 77-35.5

A Personal Note on the History of Cascade Impactor Development

Author(s): KR May

Annual Conference: 1977, Vol. 4

Paper ID: 77-35.7

PNA Contribution from Filters and Solvents

Author(s): DJ Robertson, RH Groth, DG Gardner, EG Glastris

Annual Conference: 1977, Vol. 4

Paper ID: 77-36.1

The Analysis of Arsenic in Environmental Samples, A Comparison of Techniques

Author(s): C Pupp, KC Li, J Piquette Annual Conference: 1977, Vol. 4

Paper ID: 77-36.2

Determination of Polycuclic Aromatic Hydrocarbons in Atmospheric Particulate Matter by Gas Chromatography-Mass Spectrometry and High Pressure Liquid Chromatography

Author(s): RS Thomas, RC Lao Annual Conference: 1977, Vol. 4

Paper ID: 77-36.3

Chemical Analysis of the Insoluble Carbonaceous Components of Atmospheric Particulates with Pyrolysis/Gas Chromatography/Mass Spectrometry Techniques

Author(s): SM Kunen, KJ Voorhees, AC Hill, FD Hileman,

DN Osborne

Annual Conference: 1977, Vol. 4

Paper ID: 77-36.4

Air Pollution Potential of Solar Technologies

Author(s): JG Homes, PE Mihlmester, SG Miller, TL Super,

JB Thomasian

Annual Conference: 1977, Vol. 4

Paper ID: 77-37.1

Handling Social Values and Perceptions in Environmental Impact Assessment: Problems and Proposals

Author(s): E Knop

Annual Conference: 1977, Vol. 4

Paper ID: 77-37.2

Air Quality on the Prototype Oil Shale Leasing Program at the Colorado C-b Tract

Author(s): GE Fosdick, AL Morris, SA Bullard, WE Marlatt

Annual Conference: 1977, Vol. 4

Paper ID: 77-37.4

Delayed Coke as Fuel

Author(s): LP MacDonald, FJ Hopton Annual Conference: 1977, Vol. 4

Paper ID: 77-37.5

Emissions of Trace Elements from the Combined Firing of Coal and RDF in a Utility Boiler

Author(s): LJ Shannon, PG Gorman, MP Schrag, JD Kilgroe

Annual Conference: 1977, Vol. 4

Paper ID: 77-37.6

Guidelines and Considerations for Developing Odor Control Regulations

Author(s): WH Prokop

Annual Conference: 1977, Vol. 4

Paper ID: 77-38.1

Critique of TT-4's Position Paper on Odor Control Regulations

Author(s): TR Merlino

Annual Conference: 1977, Vol. 4

Paper ID: 77-38.2

The Control of Odor by Emission Limitations

Author(s): M Feldstein, TE Story, TS Mangat

Annual Conference: 1977, Vol. 4

Paper ID: 77-38.4

Enforcement of Nuisance Regulations for Odor Control-Texas Experience

Author(s): KR Waid

Annual Conference: 1977, Vol. 4

Paper ID: 77-38.5

Conversion Rates of SO2 to Submicron Sulfate in the Plume of a Coal-Fired Power Plant in the Western United States

Author(s): WO Ursenbach, AC Hill, WH Edwards, SM

Kunen, JA Taylor

Annual Conference: 1977, Vol. 4

Paper ID: 77-39.1

The Temporal and Spatial Variations of Atmospheric Suspended Sulfates in the Northeastern United States

Author(s): FW Lipfert, H Cowherd, S Kaufman

Annual Conference: 1977, Vol. 4

Paper ID: 77-39.2

Six Years Experience with a Working Air Resources Model

Author(s): L Shenfeld, D Yap, TS Wong, NE Bowne

Annual Conference: 1977, Vol. 1

Paper ID: 77-4.1

An Assessment of Plume Dispersion Parameters Measured in Fall and Winter at a Tar-Sands Refinery Complex

Author(s): H Whaley, GK Lee Annual Conference: 1977, Vol. 1

Paper ID: 77-4.2

Observational Studies of Air Quality and Air Flow over a Ridge Downwind of a Stack

Author(s): SF Benjamin, JJ Havlena, RD Rowe

Annual Conference: 1977, Vol. 1

Paper ID: 77-4.3

Oxidant Trends and the Effect of Meteorology and Emissions

Author(s): NC Possiel, WC Eaton, ML Saeger, JE Sickles,

WD Bach, CE Decker

Annual Conference: 1977, Vol. 1

Paper ID: 77-4.4

The European regional Model of Air Pollution (EURMAP) and its Application to Transfrontier Air Pollution

Author(s): WB Johnson, DE Wolf, RL Mancuso

Annual Conference: 1977, Vol. 1

Paper ID: 77-4.5

Long Range Transport of Particulates: Case Study, October 15, 1976

Author(s): EW Klappenbach, SK Goranson

Annual Conference: 1977, Vol. 1

Paper ID: 77-4.6

Sampling of Submicrometer Particles Suspended in Near Sonic and Supersonic Free Jets of Air

Author(s): JA Martone

Annual Conference: 1977, Vol. 4

Paper ID: 77-41.1

Development of an Emissions Sampling Rake for the JT8D Engine

Author(s): AH Reinhardt, A Vatsky Annual Conference: 1977, Vol. 4

Paper ID: 77-41.2

Monitoring of Concorde Emissions

Author(s): H Segal

Annual Conference: 1977, Vol. 4

Paper ID: 77-41.3

Remote Sensing of Aircraft Wake Vortex Movement in the Airport Environment

Author(s): BT Delaney, RV Noonkester, JO Ledbetter

Annual Conference: 1977, Vol. 4

Paper ID: 77-41.4

Aircraft Vortex Effects on Ground Level Pollutant Concentration

Author(s): BT Delaney, JO Ledbetter Annual Conference: 1977, Vol. 4

Paper ID: 77-41.5

Air Quality Impact of Aircraft at Ten U.S. Air Force Bases

Author(s): DF Naugle, BC Grems, PS Daley

Annual Conference: 1977, Vol. 4

Paper ID: 77-41.6

A Filtration Augmented West Collector for P2O5 Emission Control

Author(s): JD Brady

Annual Conference: 1977, Vol. 4

Paper ID: 77-42.1

Application Experience of Cartridge Filters in the Chemical Process Industry

Author(s): RE Frey

Annual Conference: 1977, Vol. 4

Paper ID: 77-42.3

Use of Inertial Impactor Data to Select Air Pollution Control Equipment

Author(s): JD Brady, FN Hill, KM Graves

Annual Conference: 1977, Vol. 4

Paper ID: 77-42.4

Fume Hoods-Open Canopy Type, Their Ability to Capture Pollutants in Various Environments

Author(s): M Bender

Annual Conference: 1977, Vol. 4

Paper ID: 77-42.7

An Evaluation of Control Strategies fro SO2 Emissions from Petroleum Refineries

Author(s): PT Budzik

Annual Conference: 1977, Vol. 4

Paper ID: 77-43.1

Hydrocarbon Emissions from Floating Roof Tanks

Author(s): PE Jonkers, WJ Porter, RL Russell, AL Wilson

Annual Conference: 1977, Vol. 4

Paper ID: 77-43.2

Four Years Experience with the Beavon Sulfur Removal Process

Author(s): DK Beavon

Annual Conference: 1977, Vol. 4

Paper ID: 77-43.3

Air Dispersion Modeling for Economic Stack Design

Author(s): DH Brewer, SL Ahmed, SJ Thomson

Annual Conference: 1977, Vol. 4

Paper ID: 77-43.4

A New Field Proven System for Clean-Up of Hydrocarbon Emissions by Thermal Oxidation From Service Station to Pipe Line Deliveries

Author(s): TG Psyhojos

Annual Conference: 1977, Vol. 4

Paper ID: 77-43.5

The Association of Human Mortality with Air Pollution: A Review of Previous Studies

Author(s): FW Lipfert

Annual Conference: 1977, Vol. 4

Paper ID: 77-44.1

Population Exposure: An Indicator of Air Quality Improvement

1mprovement

Author(s): NH Frank, WF Hunt, WM Cox

Annual Conference: 1977, Vol. 4

Paper ID: 77-44.2

An Air Quality Data Analysis System for Interrelating Effects, Standards and Needed Source Reductions: Part 5, Nitrogen Dioxide Mortality in Mice

Author(s): RI Larsen, DE Gardner, DL Coffin

Annual Conference: 1977, Vol. 4

Paper ID: 77-44.3

Microwave Radiation: An Epidemiologic Assessment

Author(s): RM Albrecht, E Landau Annual Conference: 1977, Vol. 4

Paper ID: 77-44.4

Estimating the Probability of a Lethal Exposure During an Episodic Release of a Toxic Gas

Author(s): CJ Baynes, AG Scott Annual Conference: 1977, Vol. 4

Paper ID: 77-44.5

Personal Exposure to Respirable Particulates and Sulfates Versus Ambient Measurements

Author(s): DW Dockery, JD Spengler Annual Conference: 1977, Vol. 4

Paper ID: 77-44.6

Atmosphere as an Ultimate Sink for Applied Pesticides

Author(s): DE Glotfelty

Annual Conference: 1977, Vol. 4

Paper ID: 77-45.1

The Magnitude and Importance of Spray Drift from Agricultural Applications

Author(s): J Maybank, K Yoshida, R Grover

Annual Conference: 1977, Vol. 4

Paper ID: 77-45.2

Post-Application Volatilization of Pesticides under Field Conditions

Author(s): AW Taylor

Annual Conference: 1977, Vol. 4

Paper ID: 77-45.3

2,4-D Herbicides in Central Washington

Author(s): E Robinson, LL Fox Annual Conference: 1977, Vol. 4

Paper ID: 77-45.4

Distribution of Pesticides and Their Derivatives in the Air, Soil, Water and Biota of Physical Model Ecosystems

Author(s): LK Cole, RL Metcalf Annual Conference: 1977, Vol. 4

Paper ID: 77-45.5

Environmental Information for Developing Countries

Author(s): D Gregory

Annual Conference: 1977, Vol. 5

Paper ID: 77-47.1

A Comparison Between the Canadian and United States Approaches to "Clean" Air

Author(s): M Feinstein

Annual Conference: 1977, Vol. 5

Paper ID: 77-47.4

Planning for Industrial Development in Portugal

Author(s): MD High, L Canelas, J Conceicao

Annual Conference: 1977, Vol. 5

Paper ID: 77-47.5

A Multi-Regional Ozone Quality Assurance Program

Author(s): PJ Lioy, GT Wolff Annual Conference: 1977, Vol. 5

Paper ID: 77-48.1

Spatial Distribution of Sulfates over Eastern Canada During August 1976

Author(s): RJ LaFleur, DM Whelpdale Annual Conference: 1977, Vol. 5

Paper ID: 77-48.3

Cross-Country Total Sulfur Measurements

Author(s): L Langan, W Vaughan, M Peache, R Stevens, R

Baumgardner

Annual Conference: 1977, Vol. 5

Paper ID: 77-48.4

Monitored Asbestos Concentrations in Connecticut

Author(s): L Bruckman, RA Rubino Annual Conference: 1977, Vol. 5

Paper ID: 77-48.5

Physical, Chemical and Radiological Characterization of Background Particulate Matter in Northeastern Utah

Author(s): IH Tombach, MW Chan Annual Conference: 1977, Vol. 5

Paper ID: 77-48.6

Sampling Emissions from INCO's 380-Metre Chimney

Author(s): MY Solar

Annual Conference: 1977, Vol. 5

Paper ID: 77-49.1

Laboratory and Field Evaluation of the Controlled Condensation System (GOKSOYR/ROSS) for SO3 Measurements in Flue Gas Streams

Author(s): RF Maddalone, SF Newton, RG Rhudy, RM

Statnick

Annual Conference: 1977, Vol. 5

Paper ID: 77-49.2

An Experimental Method of Particulate Sampling of High Humidity Flue Gases

Author(s): U Patankas, WT Orr Annual Conference: 1977, Vol. 5

Paper ID: 77-49.3

Comparison between Two Outdoor Smog Chamber Facilities Matched Experiments

Author(s): RS Wright, JE Sickles, WC Eaton

Annual Conference: 1977, Vol. 1

Paper ID: 77-5.1

Ozone-Precursor Relationship of Nitrogen Dioxide Isopentane and Sunlight Under Selected Conditions

Author(s): JE Sickles, LA Ripperton Annual Conference: 1977, Vol. 1

Paper ID: 77-5.2

Photochemical Potential of Forrest Fire Smoke

Author(s): WH Benner, P Urone Annual Conference: 1977, Vol. 1

Paper ID: 77-5.3

Analysis of the Mechanisms of Atmospheric Sulfate Formation

Author(s): SG Miller

Annual Conference: 1977, Vol. 1

Paper ID: 77-5.4

Desorption of Hydrocarbons from Particulates and Application in Photochemical Studies

Author(s): JJW Nahm, SM Pier Annual Conference: 1977, Vol. 1

Paper ID: 77-5.6

Statistical Evaluation of the Environmental Impact of the Catalytic Converters

Author(s): MS Phadke, GC Tiao, SC Hillmer

Annual Conference: 1977, Vol. 5

Paper ID: 77-50.1

Dispersion Model Calibration for Total Suspended Particulates in Air Quality Maintenance Plan Analysis

Author(s): MA Haecer, JD Stuart, DB Cabe

Annual Conference: 1977, Vol. 5

Paper ID: 77-50.2

Explaining Spatial Variation of Atmospheric Sulfur Oxides

Author(s): DH Nochumson Annual Conference: 1977, Vol. 5

Paper ID: 77-50.3

The Characterization of Suspended Particulates in an Industrial Area

Author(s): SC Barton, HG McAdie, JA McCoubrey

Annual Conference: 1977, Vol. 5

Paper ID: 77-51.1

The Influence of Length, Gas Velocity, Particle Concentration and Particle Size Distribution on Electrostatic Precipitator Behavior-A Theoretical Study

Author(s): JP Reynolds, FJ Karpowicz, VP DePaola, L

Theodore

Annual Conference: 1977, Vol. 5

Paper ID: 77-51.4

Determine Collector Performance by the Reverse Fractional Efficiency Method

Author(s): DH Matthews, CW Gruber Annual Conference: 1977, Vol. 5

Paper ID: 77-51.5

Nodular Deposits in Fabric Filters

Author(s): RF Lembach

Annual Conference: 1977, Vol. 5

Paper ID: 77-51.6

Air Quality and Coastal Management Program Coordination

Author(s): M Burke, J Kurtzweg Annual Conference: 1977, Vol. 5

Paper ID: 77-52.1

Growth and Air Pollution Impacts of Major Land Use Projects

Author(s): PH Guldberg, FH Benesh, T McCurdy

Annual Conference: 1977, Vol. 5

Paper ID: 77-52.2

The Balance Sheet Approach to Preconstruction Review of Airport and Highway Projects

Author(s): SJ LaBelle, AE Smith, RR Cirillo, JA Mitchell

Annual Conference: 1977, Vol. 5

Paper ID: 77-52.3

A Process for Setting Emission Density Limits

Author(s): PD McLellan, FH Benesh, RM Patterson

Annual Conference: 1977, Vol. 5

Paper ID: 77-52.4

Land Use and Air Management Strategy, Nanticoke, Ontario

Author(s): TW Cross

Annual Conference: 1977, Vol. 5

Paper ID: 77-52.5

Evaluation of Air Management Strategies for the Nanticoke Development

Author(s): WR Smithies

Annual Conference: 1977, Vol. 5

Paper ID: 77-52.6

Compliance with Sulfur Regulations

Author(s): J Dragos, AC Nelson Annual Conference: 1977, Vol. 5

Paper ID: 77-53.1

Utilization Characteristics of Blending Eastern and Western Coals

Author(s): CR Pelley

Annual Conference: 1977, Vol. 5

Paper ID: 77-53.2

Certification and Use of Air Pollution Consultants Control Agency Prospective

Author(s): FL Smith

Annual Conference: 1977, Vol. 5

Paper ID: 77-54.3

Air Quality Considerations in Natural Gas Curtailment Planning

Author(s): EM Roberts

Annual Conference: 1977, Vol. 5

Paper ID: 77-55.2

Impact of Clean Air Act on Chemical Industry Growth-A Case Study

Author(s): JW Conder, WH Beamer Annual Conference: 1977, Vol. 5

Paper ID: 77-55.3

Financial Impact of Sulfur Oxides Control Regulations

Author(s): SJ Biondo

Annual Conference: 1977, Vol. 5

Paper ID: 77-56.3

Real-Time, Short-Term Air Quality Forecasting

Author(s): H Edson, FL Johnson, DJ Fulle

Annual Conference: 1977, Vol. 5

Paper ID: 77-58.1

Application of the Gaussian Dispersion Model to Predicting Maximum Plume Concentrations in Abruptly Rising Terrain

1 errain

Author(s): DB Cabe, BR Eppright, JD Stuart

Annual Conference: 1977, Vol. 5

Paper ID: 77-58.2

Comparison of Calculated and Observed Hourly Ground-Level SO2 Concentrations for the ASARCO-Tacoma Copper Smelter

Author(s): HE Cramer, JF Bowers, HV Geary

Annual Conference: 1977, Vol. 5

Paper ID: 77-58.3

An Investigation of Various Atmospheric Stability Criteria at the One-Hundred Meter Level in East Tennessee

Author(s): WM Culkowski Annual Conference: 1977, Vol. 5

Paper ID: 77-58.4

Critical Wind Speeds for Buoyant Sources of Air Pollution

Author(s): SN Putta

Annual Conference: 1977, Vol. 5

Paper ID: 77-58.5

A Dispersion Model for Low Wind Speed Conditions: Theory and Experimental Application

Author(s): RJ Yamartino

Annual Conference: 1977, Vol. 5

Paper ID: 77-58.6

Energy Consumption Requirements for Air Pollution

Control Equipment at an Iron Foundry

Author(s): HBH Cooper, WJ Green Annual Conference: 1977, Vol. 5

Paper ID: 77-59.2

Adaptation of Wet Electrostatic Precipitators for Control of Sinter Plant Windowbox Emissions

Author(s): MR Mazer, ST Herman, SA Jaasund

Annual Conference: 1977, Vol. 1

Paper ID: 77-6.1

Fugitive Emissions from Integrated Iron and Steel Plants-Open Dust Sources

Open Dusi Sources

Author(s): C Cowherd, RV Hendriks Annual Conference: 1977, Vol. 1

Paper ID: 77-6.2

Effects of Water Quality on Coke Quench Tower Particulate Emissions

Author(s): C Edlund, AH Laube, J Jeffrey

Annual Conference: 1977, Vol. 1

Paper ID: 77-6.3

Coke Plant Combustion Stack Gas Cleaning

Author(s): H LaFitte

Annual Conference: 1977, Vol. 1

Paper ID: 77-6.4

Evaluation of B.O.F. Charging Collection System

Author(s): MJ D'Andrade Annual Conference: 1977, Vol. 1

Paper ID: 77-6.5

Fume Control for High Alloy Electric Furnace Shops

Author(s): HL Brien

Annual Conference: 1977, Vol. 1

Paper ID: 77-6.6

The Collection and Analysis of Mercury from Mercury Cell Chlor-Alkali Plant Gaseous Process Streams

Author(s): WJ Findlay, K Li, JC Hilborn

Annual Conference: 1977, Vol. 5

Paper ID: 77-61.1

The Shewhart Control Chart Test-A Recommended Procedure for Screening 24-Hour Air Pollution Measurement

Author(s): WF Hunt, JB Clark, SK Goranson

Annual Conference: 1977, Vol. 5

Paper ID: 77-61.2

Simplified Stack Dispersion Calculations-A Method to Calculate Maximum Ground Level Concentrations as Defined by Ontario law

Author(s): RE Butler

Annual Conference: 1977, Vol. 5

Paper ID: 77-61.3

Aerosol and Precipitation Measurements in Southern Ontario

Author(s): OT Melo

Annual Conference: 1977, Vol. 5

Paper ID: 77-61.4

Energy Policy and the National Environment: Certain Legal Aspects

Author(s): DE Light, CA Licht Annual Conference: 1977, Vol. 5

Paper ID: 77-61.6

The Rationale, Methodology and Administration Used in Ontario to Determine Ambient Air Objective and Emission Standards

Author(s): CB Martin, PC Kupa Annual Conference: 1977, Vol. 5

Paper ID: 77-62.1

Evaluation of Odor Measurements Methods1: Laboratory Tests:11: Industrial Process Tests

Author(s): RE Kenson, SS Cha, RA Duffee, WA Wade, GS

Patzlaff, JS Nader

Annual Conference: 1977, Vol. 5

Paper ID: 77-62.3

A Review of Considerations and Issues in Emission Density Zoning

Author(s): F Benesh, P McLellan, R Patterson

Annual Conference: 1977, Vol. 5

Paper ID: 77-62.4

Three Approaches to Community Noise Control

Author(s): FM Kessler, TT Pluta Annual Conference: 1977, Vol. 1

Paper ID: 77-7.4

Analysis of Processes Affecting Oxidant and Precursors in LARPP Operation 33

Author(s): CE Feigley, HE Jeffries Annual Conference: 1977, Vol. 1

Paper ID: 77-8.1

Trends in Population Exposure to Photochemical Air Pollution in the Los Angeles Region

Author(s): Y Horie, AS Chaplin Annual Conference: 1977, Vol. 1

Paper ID: 77-8.2

Comparative Analysis of Present and Proposed Air Pollution Indices for Allegheny County

Author(s): ES Rubin, RW Walters, PJ Grogan, SM Friedman

Annual Conference: 1977, Vol. 1

Paper ID: 77-8.3

Suspended Particulate Transport

Author(s): L Bruckman

Annual Conference: 1977, Vol. 1

Paper ID: 77-8.4

Consideration of Background Concentration in Air Quality Analyses

Author(s): C Prasad

Annual Conference: 1977, Vol. 1

Paper ID: 77-8.5

Ambient Air Quality 1970-74, A Statistical Analysis

Author(s): CS Nicholl, PJ Choquette Annual Conference: 1977, Vol. 1

Paper ID: 77-8.6

Organic Emissions from Stationary Sources-1. Analytical Techniques for the Evaluation of Catalytic Control Devices

Author(s): D Schuetzle, SP Levine Annual Conference: 1977, Vol. 1

Paper ID: 77-9.1

Thermal Oxidizers-Blessings or Burdens

Author(s): AH Aspengren
Annual Conference: 1977, Vol. 1

Paper ID: 77-9.3

The Control of Hydrocarbon Emissions from Gasoline Marketing Operations

Author(s): VJ Pitruzzello Annual Conference: 1977, Vol. 1

Paper ID: 77-9.4

Selection of a Test Procedure for Vapor Recovery Systems at Service Stations

Author(s): EM Liston

Annual Conference: 1977, Vol. 1

Paper ID: 77-9.5

Development of New Type Catalytic NOx Removal Reactor

Author(s): K Ootsuka, N Arashi, Y Hishinuma, S Matsuda, F Nakakima, M Mukai, T Ishikawa, T Kumura, T Narita, Y

Arikawa

Annual Conference: 1977, Vol. 1

Paper ID: 77-9.6

A Field Study of SO2 Oxidation Rates in a Sour Gas Plant Plume Using Neutron Activation of a Gold Particulate Tracer

Author(s): RD Rowe, MF Mohtadi, JJ Havlena, DI Exall, SF

Benjamin, T Vysniauskas Annual Conference: 1977, Vol. 1

Paper ID: 77-9.7

Resuspended Particulate Matter from Paved Streets: How Real is the Issue and Where Do We Go from Here Concerning its Control?

Author(s): DR Dunbar

Annual Conference: 1977, Vol. 2

Paper ID: 79-13.1

Safety Aspects of Steelmaking Electric Arc Furnace Fume Systems

Author(s): HD Goodfellow Annual Conference: 1977, Vol. 5

Paper ID: 79-59.1

Airport Air Pollution Monitoring Program

Author(s): KF Zeller, RB Evans Annual Conference: 1976, Vol. 1

Paper ID: 76-11.1

NO2 Ambient Air Challenging System for Collaborative Tests of Sampling Methods

Author(s): PC Constant, GW Scheil, JH Margeson

Annual Conference: 1976, Vol. 1

Paper ID: 76-11.3

Semi-Mobile Sampling Strategy Near Point Sources for Determination of Ambient S02 and Particulate Concentrations

Author(s): RB Jacko

Annual Conference: 1976, Vol. 1

Paper ID: 76-11.4

The Selection of Sites for Air Pollutant Monitoring

Author(s): FL Ludwig, NJ Berg, AJ Hoffman

Annual Conference: 1976, Vol. 1

Paper ID: 76-11.5

The By-Product Coke Oven Pushing Operation: Total and Trace Metal Particulate Emissions

Author(s): RB Jacko, DW Neuendorf, JR Blandford

Annual Conference: 1976, Vol. 1

Paper ID: 76-12.2

Application of Enclosed Coke Pushing Emission Controls at Granite City Steel

Author(s): JD Burroughts, JG Manda, DF Cairns

Annual Conference: 1976, Vol. 1

Paper ID: 76-12.4

Use of Hi-Vol Samplers to Measure the Impact of Clairton Works Coking Operations on TSP

Author(s): M Antell, B Bloom, R Koch, P Hwang

Annual Conference: 1976, Vol. 1

Paper ID: 76-12.5

Improved Approaches to Transportation Controls

Author(s): ej Twomey, RL Gray Annual Conference: 1976, Vol. 1

Paper ID: 76-13.1

Implications of a Prevention of Significant Deterioration Policy on State Growth Management

Author(s): BD Brown, CS Lipaj Annual Conference: 1976, Vol. 1

Paper ID: 76-13.2

Air Quality Maintenance Through Land Use Planning

Author(s): VR Feltin, AT Rossano Annual Conference: 1976, Vol. 1

Paper ID: 76-13.3

Zoning Control of Parking Supply as an Air Quality Maintenance Strategy-A Case Study

Author(s): MG Ruby, RA Josephson, AT Rossano

Annual Conference: 1976, Vol. 1

Paper ID: 76-13.4

Institutions, Politics and Air Quality

Author(s): D Morell

Annual Conference: 1976, Vol. 1

Paper ID: 76-13.5

Air Quality Maintenance Planning for the Metropolitan Washington Region

Author(s): RD DiJulio, V Krause Annual Conference: 1976, Vol. 1

Paper ID: 76-13.6

Air Quality Maintenance Planning as Part of the Regional Planning Process: San Francisco Bay Area Case History

Author(s): LS Goldman

Annual Conference: 1976, Vol. 1

Paper ID: 76-13.7

Ozone Measurement in the Rural Southern United States

Author(s): SL Kistner, RV Carter Annual Conference: 1976, Vol. 1

Paper ID: 76-14.1

Surface and Airborne Ozone and Precursor Concentrations from a Medium Sized City

Author(s): LG Polgar, RJ Londergan Annual Conference: 1976, Vol. 1

Paper ID: 76-14.2

Ozone Transport Phenomena: Observed and Simulated

Author(s): HE Jeffries, JE Sickles, LA Ripperton

Annual Conference: 1976, Vol. 1

Paper ID: 76-14.3

Analysis of Halocarbons in the Atmosphere Report of a Workshop

Author(s): RA Rasmussen, DJ Pierotti, J Krasnec

Annual Conference: 1976, Vol. 2

Paper ID: 76-15.1

Distribution, Sources and Sinks of Atmospheric Halogenated Compounds

Author(s): HB Singh, LJ Silas, LA Cavanagh

Annual Conference: 1976, Vol. 2

Paper ID: 76-15.2

Atmospheric Oxidation of Methyl Chloride Methylene Chloride and Chloroform

Author(s): JW Spence, PL Hanst, BW Gay

Annual Conference: 1976, Vol. 2

Paper ID: 76-15.3

A Noise Profile of a Main Traffic Artery in a Rapidly Industrializing City in Mexico

Author(s): M Bank, DM McEachern Annual Conference: 1976, Vol. 2

Paper ID: 76-17.1

Relating Dynamic and Static Measurement Results in a Large Scale Monitoring System

Author(s): ND Egmond, O Tissing, L Langan

Annual Conference: 1976, Vol. 2

Paper ID: 76-17.10

Electrostatic Precipitation of Aerosol Particles Inside an Electron Beam Irradiated Field

Author(s): S Masuda, N Ishiga, K Akutsu

Annual Conference: 1976, Vol. 2

Paper ID: 76-17.11

Air Pollution Monitoring Station Operating at Ciudad Universitaria

Author(s): H Bravo, S Salazar, D Garica

Annual Conference: 1976, Vol. 2

Paper ID: 76-17.13

Large Scale Estimation of the Sulfur Dioxide Level and Shifting in Mountainous Regions as a Basis for Land Use Planning with Regards to Health

Author(s): W Kofler

Annual Conference: 1976, Vol. 2

Paper ID: 76-17.2

International Comparison and Critical Analysis of Nitrogen Dioxide Air Quality Standards

Author(s): R Kiyoura

Annual Conference: 1976, Vol. 2

Paper ID: 76-17.3

A New Wind Tunnel for the Simulation of Atmospheric Diffusion

Author(s): Y Ogawa

Annual Conference: 1976, Vol. 2

Paper ID: 76-17.7

Limestone Gypsum Flue Gas Desulfurizer Operation Results for Tamashima Thermal Power Station

Author(s): Y Koine, T Narita, T Nishimura

Annual Conference: 1976, Vol. 2

Paper ID: 76-17.8

Effects of the District Heating System on the Air Quality at Helsinki Area

Author(s): RI Lahdes

Annual Conference: 1976, Vol. 2

Paper ID: 76-17.9

Monitoring Reduced Sulfur Compounds Emitted by the Kraft Pulp Process

Author(s): RP Selfridge, CP Sassenrath Annual Conference: 1976, Vol. 2

Paper ID: 76-18.1

Haze Removal Equipment for Ammonia Base Sulfite Recovery Furnaces

Author(s): J Anderson

Annual Conference: 1976, Vol. 2

Paper ID: 76-18.2

Variability of Observer and Instrument Recorded Plume Opacity from Kraft Recovery Furnaces Equipped with High Efficiency Electrostatic Precipitators

Author(s): KT Hood, A. Caron, RO Blosser

Annual Conference: 1976, Vol. 2

Paper ID: 76-18.3

Cost of Alternative Air Pollution Strategies for the Electric Utility Industry

Author(s): LJ Perl

Annual Conference: 1976, Vol. 2

Paper ID: 76-19.3

Social Effects of Atmospheric Emissions

Author(s): DKA Gillies, DJ Youston Annual Conference: 1976, Vol. 2

Paper ID: 76-19.4

Coal-Fired Electric Power Plants and Their Relationship top Violations of Ambient Particulate Air Quality Standards

Author(s): TS Needels, RL Kane Annual Conference: 1976, Vol. 2

Paper ID: 76-19.6

Use of Prescribed Burning to Enhance Regional Air Quality

Author(s): RP Matthews

Annual Conference: 1976, Vol. 1

Paper ID: 76-2.1

An Update on Particulate Emissions from Forest Fires

Author(s): DE Ward, CK McMahon, RW Johansen

Annual Conference: 1976, Vol. 1

Paper ID: 76-2.2

Some Chemical and Physical Characteristics of Emissions from Forest Fires

Author(s): CK McMahon, PW Ryan Annual Conference: 1976, Vol. 1

Paper ID: 76-2.3

The Concentration Size Distribution and Modes of

Formation of Particulate Nitrate, Sulfate and Ammonium Compounds in the Eastern Part of the Los Angeles Basin

Author(s): D Grosjean, GJ Doyle, TM Mischke, MP Poe, DR

Fitz, JP Smith, JN Pitts

Annual Conference: 1976, Vol. 2

Paper ID: 76-20.3

Field Desorption Mass Analysis of the Photooxidation Products of Adsorbed Polycyclic Aromatic Hydrocarbons

Author(s): DF Barofsky, EJ Baum Annual Conference: 1976, Vol. 2

Paper ID: 76-20.5

The Molecular Composition of Secondary Aerosols Formed from Terpenes

Author(s): D Schuetzle, RA Rasmussen Annual Conference: 1976, Vol. 2

Paper ID: 76-20.6

An Indirect Source Review Procedure fro High Carbon Monoxide Background Zones

Author(s): JR Pearson, JK Anderson, PL Buck

Annual Conference: 1976, Vol. 2

Paper ID: 76-21.1

Environmental Litigation and the In-House Engineer

Author(s): F Finn, RC Heidrick Annual Conference: 1976, Vol. 2

Paper ID: 76-21.2

Legal Aspects of Vendor Defense

Author(s): GB Irwin

Annual Conference: 1976, Vol. 2

Paper ID: 76-21.3

An Industrial View of Air Pollution Control in Transition: The Clean Air Amendments of 1970

Author(s): JC Carroll, DW Kemp Annual Conference: 1976, Vol. 2

Paper ID: 76-21.4

Critical Issues in the Operation and Enforcement of a Smelter Intermittent SO2 Control System

Author(s): M Peters

Annual Conference: 1976, Vol. 2

Paper ID: 76-21.5

Priorities for New Source Performance Standards

Author(s): LJ Habegger, RR Cirillo, GD McCutchen

Annual Conference: 1976, Vol. 2

Paper ID: 76-21.6

Test Procedures for Evaluation of Service Station Vapor Recovery Systems

Author(s): MJ Manos, WC Kelly, AW Percy

Annual Conference: 1976, Vol. 2

Paper ID: 76-22.1

Vehicular Evaporative Control Systems-An Engineering Evaluation

Author(s): PJ Vlarke

Annual Conference: 1976, Vol. 2

Paper ID: 76-22.2

General Motors Sulfate Dispersion Experiment: Summary of EPA Measurements

Author(s): WE Wilson, LL Spiller, TG Ellestad, PJ Lamothe, TG Dzubay, RK Stevens, es Macias, JD Husar, RB Husar,

KT Whitby, DB Kittelson, BK Cantrell

Annual Conference: 1976, Vol. 2

Paper ID: 76-22.5

Automotive Sulfate Emissions and Their Control

Author(s): LS Bernstein, EL Holt Annual Conference: 1976, Vol. 2

Paper ID: 76-22.6

The Prediction of Supplementary Control System Operations by Dispersion Modeling

Author(s): RK Raufer, JE Norco, JP Bradley

Annual Conference: 1976, Vol. 2

Paper ID: 76-23.1

Diffusion Around Nuclear Reactors Located in Flat Terrain: An Experimental Investigation

Author(s): RF Abbey

Annual Conference: 1976, Vol. 2

Paper ID: 76-23.2

A Modeling Study to Examine Detention of Violations of Air Quality Standards Using Various Sampling Station Networks in the Vicinity of a Single Plant

*Networks in the Vicinity of a Single Plant*Author(s): SM Godfrey, J Hrenko, DB Turner

Annual Conference: 1976, Vol. 2

Paper ID: 76-23.3

Comparison of the Surface and Geostrophic Winds

Author(s): H Moses, PE Hess Annual Conference: 1976, Vol. 2

Paper ID: 76-23.4

Regional Air Quality Assessment for Northwest Energy Scenarios

Author(s): DS Renne, DL Elliott Annual Conference: 1976, Vol. 2

Paper ID: 76-23.5

Particle Sizing on Fugitive Aluminum Potroom Emissions

Author(s): JW Colpitts, JE Gibb, DL Backenstose, JM Chen,

ZT Gibson, JO Ledbetter Annual Conference: 1976, Vol. 2

Paper ID: 76-24.1

Estimation of Primary Collection Efficiency of New or Retrofit Hooding for Primary Aluminum Cells

Author(s): BA Varner, GB Crane Annual Conference: 1976, Vol. 2

Paper ID: 76-24.2

Characterization of Copper Smelter Flue Dust

Author(s): PL Tayler

Annual Conference: 1976, Vol. 2

Paper ID: 76-24.3

Physio-Chemical Properties of Metal Furnace Fume Emissions

Author(s): RL White, JM Hughes, NT Stephens

Annual Conference: 1976, Vol. 2

Paper ID: 76-24.4

An SO2 Incident Causing Extensive Vegetation Damage in the Missouri Ozarks

Author(s): JH Long

Annual Conference: 1976, Vol. 3

Paper ID: 76-24.4

Secondary Aluminum Plant Particulate Control

Author(s): RF Jones, TH Ginsburg, CA Light

Annual Conference: 1976, Vol. 2

Paper ID: 76-24.6

Some 'Source'' Effects of Fluoride on Vegetation FALSE

Author(s): MR Pack, CW Sulzbach Annual Conference: 1976, Vol. 3

Paper ID: 76-25.1

The Impact of Gold Smelter Emissions on Vegetation and Soils of a Sub-Artic Forest-Tundra Transition Ecosystem

Author(s): D Hocking, P Kuchar, JA Plambeck, RA Smith

Annual Conference: 1976, Vol. 3

Paper ID: 76-25.2

A Study of the Effects of Acid Raiun on Model Forest Ecosystems

Author(s): JJ Lee, DE Weber Annual Conference: 1976, Vol. 3

Paper ID: 76-25.5

Response by Predominant Species in a Coniferous Forest Ecosystem to Chronic Oxidant Exposure

Author(s): PR Miller, OC Taylor Annual Conference: 1976, Vol. 3

Paper ID: 76-25.6

Sulfur Dioxide Emission Limitation (SDEL) Program at TVA Power Plants

Author(s): JM Leavitt, LA George, RE Clark

Annual Conference: 1976, Vol. 3

Paper ID: 76-26.1

Aerial and Ground-Level Observations of the SO2 Plumes from the Bunker Hill Smelter Facility

Author(s): RL Petersen, KP Golden, TC Spangler

Annual Conference: 1976, Vol. 3

Paper ID: 76-26.2

Experimental Studies of Near-Roadway Dispersion

Author(s): WF Dabberdt

Annual Conference: 1976, Vol. 3

Paper ID: 76-26.3

Tall Stacks, Plume Dispersion and Emission Calculations by Correlation Spectroscopy

Author(s): MM Millan, RM Hoff, AJ Gallant

Annual Conference: 1976, Vol. 3

Paper ID: 76-26.4

Diffusion Model Calculations of Long and Short Term Ground Level Concentrations Produced by the Major SO2 Stationary Sources in Allegheny County, Pennsylvania

Author(s): HE Cramer, JF Bowers, HV Geary

Annual Conference: 1976, Vol. 3

Paper ID: 76-26.5

Methodology for the Mobile Source Emission Inventory in the Regional Air Pollution Study

Author(s): CC Masser

Annual Conference: 1976, Vol. 3

Paper ID: 76-26.6

Proper Waste Heat Utilization Reduces Air Pollution and Saves Energy

Author(s): KJ Svoboda, HJ Klooster Annual Conference: 1976, Vol. 3

Paper ID: 76-27.1

Particulate Matter from Oil Burning Boilers and Furnaces: Possible Control Programs for Cities and States

Author(s): AT Creekmore, JJ Sableski, GR Offen

Annual Conference: 1976, Vol. 3

Paper ID: 76-27.2

Particulate Emission Control for Thermal Processing of Municipal Solid Waste

Author(s): NJ Weinstein, RF Toro Annual Conference: 1976, Vol. 3

Paper ID: 76-27.3

Evaluation of a Fabric Filter on a Spreader Stoker Utility Roller

Author(s): DS Ensor, RG Hooper, RC Carr, RW Scheck

Annual Conference: 1976, Vol. 3

Paper ID: 76-27.6

Field Investigation of Emissions from Commercial Boilers

Author(s): RE Barrett, DW Locklin, RE Hall

Annual Conference: 1976, Vol. 3

Paper ID: 76-27.7

Trace Element and Organic Emissions from Industrial Boilers

Author(s): GA Cato, RA Venezia Annual Conference: 1976, Vol. 3

Paper ID: 76-27.8

University APCA Sections Interactive Programs: The New England Consortium on Environmental Protection and the New England APCA Experience

Author(s): JD Spengler, FP Fairchild, AW Doyle

Annual Conference: 1976, Vol. 3

Paper ID: 76-28.1

Relative Accuracy of SO2 Mass Emission Rates from Remote Sensing Correlation Spectrometers Compared to Reference Methods

Author(s): RB Sperling, CL White Annual Conference: 1976, Vol. 3

Paper ID: 76-29.1

Quality Assurance and Instrument Selection fro Monitoring Pristine Atmospheres

Author(s): AE Hudson, DA Bauer Annual Conference: 1976, Vol. 3

Paper ID: 76-29.2

Aspects of EPA's QA Program for Air

Author(s): S Hochheiser, RC Rhodes Annual Conference: 1976, Vol. 3

Paper ID: 76-29.3

A Quantitative Evaluation of the Daily Air Pollution Index Proposed by the U.S. Environmental Protection Agency

Author(s): WR Ott, WF Hunt Annual Conference: 1976, Vol. 3

Paper ID: 76-29.4

An Air Quality Data Analysis System for Interrelating Effects, Standards and Needed Source Reductions: Part 4 A Three Parameter Averaging Time Model

Author(s): RI Larsen, DE Gardner, DL Coffin

Annual Conference: 1976, Vol. 3

Paper ID: 76-29.5

Development of Baseline Emission Relationships for Use in Determining Vapor Recovery Control Efficiency

Author(s): A GOODLEY, dc Simeroth, PK Ouchida

Annual Conference: 1976, Vol. 3

Paper ID: 76-29.6

A Program to Eliminate or Reduce Smoke from Burning Fields after Grass Seed Harvest

Author(s): TR Miles, FG Odell Annual Conference: 1976, Vol. 1

Paper ID: 76-3.1

A Program to Minimize the Effects of Agricultural Burning in California

Author(s): GE Miller, JF Thompson, JR Goss, S Duckworth,

JF Williams, EF Darley

Annual Conference: 1976, Vol. 1

Paper ID: 76-3.2

An Assessment of Emissions from Selected Agricultural Activities

Author(s): TR Blackwood, JA Peters, JW Snyder, RA Wachter

Annual Conference: 1976, Vol. 1

Paper ID: 76-3.3

Fine Particle Measurement in Stationary Sources

Author(s): JR Floyd, KT Knapp Annual Conference: 1976, Vol. 3

Paper ID: 76-30.10

Primary Fine Particle Control Technology

Author(s): DC Drehmel

Annual Conference: 1976, Vol. 3

Paper ID: 76-30.4

Development of the Fine Particle Emissions Information System-A New Public Data Bank

Author(s): GL Johnson, MP Schrag, AK Raq

Annual Conference: 1976, Vol. 3

Paper ID: 76-30.5

Sulfates in the Atmosphere

Author(s): WE Wilson, RJ Charlson, RB Husar, KT Whiby, D

Blumenthal

Annual Conference: 1976, Vol. 3

Paper ID: 76-30.6

Regulatory and Technical Control Strategies for Fine Particles

Author(s): J Padgett, JD Bachmann Annual Conference: 1976, Vol. 3

Paper ID: 76-30.7

Fine Particulate Pollution Problem: State of the Art in Europe and the United States

Author(s): J Stockman, M Stasikowski, R Harrington

Annual Conference: 1976, Vol. 3

Paper ID: 76-30.8

Development and Application of a Hydrocarbon Reactivity Scale Based on Reaction with the Hydroxyl Radical

Author(s): JM Pitts, AC Lloyd, AM Winer, KR Darnall, GJ

Doyle

Annual Conference: 1976, Vol. 3

Paper ID: 76-31.1

The Continuous Measurement of Particulate Sulfur Compounds by Flame Photometry

Author(s): JJ Huntzicker, LM Isabelle, JG Watson

Annual Conference: 1976, Vol. 3

Paper ID: 76-31.3

Filter Cake Redeposition in a Pulse-Jet Fabric Filter

Author(s): D Leigh, MW First Annual Conference: 1976, Vol. 3

Paper ID: 76-31.4

Trace Element Precipitation Scavenging Analysis Through X-Ray Fluorescence

Author(s): JAG Lopez, HBH Cooper Annual Conference: 1976, Vol. 3

Paper ID: 76-31.5

Atmospheric Lead and Arsenic Size Distribution Pattern in the Duwanish Industrial Complex as Compared to the Kirkland Suburban Area, The Concentration in Adults and The Subsequent Pathological Significance

Author(s): A Coleman, A Rossano, A Ritzen

Annual Conference: 1976, Vol. 3

Paper ID: 76-32.1

Cancer Mortality Near Chemical Plant

Author(s): GM Matanoski Annual Conference: 1976, Vol. 3

Paper ID: 76-32.2

Lead in the Environment and Its Effects on Man

Author(s): Y Kobayashi

Annual Conference: 1976, Vol. 3

Paper ID: 76-32.3

Cell Proliferation in the Lungs of Aging Rats Exposed to NO2

Author(s): MJ Evans, G Freeman Annual Conference: 1976, Vol. 3

Paper ID: 76-32.4

Experimental Studies on the Concentration-Time Relationship of NO2 Exposure

Author(s): DE Gardner, FJ Miller, EJ Blommer, DL Coffin

Annual Conference: 1976, Vol. 3

Paper ID: 76-32.5

Use of Aerometric Network Data to Monitor Acute Health Effects

Author(s): IF Goldstein

Annual Conference: 1976, Vol. 3

Paper ID: 76-32.6

Adjusting to Air Quality Standards: A Contrast Between Grower and Industry Effects in Grass Seed Production

Author(s): FS Conklin

Annual Conference: 1976, Vol. 4

Paper ID: 76-33.1

A Uniform Charge on Emissions in an Urban Air Basin

Author(s): WD Carson

Annual Conference: 1976, Vol. 4

Paper ID: 76-33.2

Least Cost Strategies for Air Pollution Control

Author(s): OP Hall, JC Trijonis Annual Conference: 1976, Vol. 4

Paper ID: 76-33.3

An Analysis of Air Pollution and Its Health Effects in the Washington Metropolitan Area

Author(s): EP Seskin

Annual Conference: 1976, Vol. 4

Paper ID: 76-33.4

The Effects of Oxidants on the Productivity of Citrus Workers: Some Preliminary Results

Author(s): RL Horst, TD Crocker Annual Conference: 1976, Vol. 4

Paper ID: 76-33.5

Hospitalization Costs of Air Pollution Length of Stay

Author(s): BH Carpenter, DA LeSourd, JR Chromy, RE

Paddock, DR Gillette, TE Waddell, F Abel

Annual Conference: 1976, Vol. 4

Paper ID: 76-33.6

The Significance of Atmospheric Effects of Heat Rejection from Energy Centers in the Semi Arid Northwest

Author(s): JV Ramsdell, RL Drake, JR Young

Annual Conference: 1976, Vol. 4

Paper ID: 76-34.1

Comparison of Several Models with Ambient Sulfur Dioxide Measurements Near the Navajo Generating Station

Author(s): RB Lantz, GF Hoffnagle, VA Mirbella

Annual Conference: 1976, Vol. 4

Paper ID: 76-34.2

Regional Transport Model of Atmospheric Sulfates

Author(s): KS Rao, I Thomson, BA Egan

Annual Conference: 1976, Vol. 4

Paper ID: 76-34.3

Atmospheric Drift of 2,4-D in the Lower Yakima Valley

Author(s): LL Fox, E Robinson Annual Conference: 1976, Vol. 4

Paper ID: 76-34.5

Significant Meteorological and Diffusion Conditions
Producing Ground-Level Impact at Navajo Generating
Station

Author(s): TB Smith, JA Anderson, CS Burton, J Shapiro

Annual Conference: 1976, Vol. 4

Paper ID: 76-34.6

Acquisition, Installation, Performance Testing and Operation of a Continuous Monitoring System on an Existing Steam Generator Stack

Author(s): E Baladi

Annual Conference: 1976, Vol. 4

Paper ID: 76-35.3

Determination of the Magnitude of SO2,NO,CO2 and O2 Stratification in the Ducting of Fossil Fuel Fired Power Plants

Author(s): MW Gregory, AR Crawford, EH Manny, W Bartok

Annual Conference: 1976, Vol. 4

Paper ID: 76-35.6

A New Method for Determining the Contribution of a Refinery to Local SO2 Levels in an Industrial Region

Author(s): P Knettig, A Meisen Annual Conference: 1976, Vol. 4

Paper ID: 76-36.1

Thermal Incineration as a Disposal Method for DDT and Polychlorinated Biphenyls-A Case Study

Author(s): JB Feldman, IW Leighton Annual Conference: 1976, Vol. 4

Paper ID: 76-36.2

Carbon Black Emissions and Controls

Author(s): RW Gerstle, J Richards, A Kothari

Annual Conference: 1976, Vol. 4

Paper ID: 76-36.3

A Study of Emissions from Aggregate Processing

Author(s): PK Chalekode, TR Blackwood

Annual Conference: 1976, Vol. 4

Paper ID: 76-36.4

Sulfur Dioxide Emissions of the Natural Gas Production Industry

Author(s): RH Schultz

Annual Conference: 1976, Vol. 4

Paper ID: 76-36.5

Emission Testing the Missouri Type Charcoal Kiln

Author(s): BF Kneeling

Annual Conference: 1976, Vol. 4

Paper ID: 76-37.1

Equivalency of Sonic Impinger Stack Sampling Procedure for Fine Particles

Author(s): DC Drown, JJ Sceldorf Annual Conference: 1976, Vol. 4

Paper ID: 76-37.2

The Design and Performance of a Stack Sampling System with Dilution

Author(s): RJ Heinsohn, JE Davis, GW Anderson, EA Kopetz

Annual Conference: 1976, Vol. 4

Paper ID: 76-37.3

Experimental Determination of Sizing Parameters and Wall Losses of Five Commercially Available Cascade Impactor

Author(s): KM Cushing, JD McCain, WB Smith

Annual Conference: 1976, Vol. 4

Paper ID: 76-37.4

Evaluation of Probes Used for Source Sampling of Hydrogen Fluoride

Author(s): JS Jacobson, LI Heller Annual Conference: 1976, Vol. 4

Paper ID: 76-37.5

Determination of Emission Rates by Aircraft Sampling

Author(s): JE Cunningham, WF Harris, JW Key, CD Wolbach

Annual Conference: 1976, Vol. 4

Paper ID: 76-37.6

Assessment of the Impact of Sodium Chloride Emissions from a Coastal Pulpmill

Author(s): KK Tsang, KP Stubbs, N Eckstein

Annual Conference: 1976, Vol. 4

Paper ID: 76-38.1

Plywood Veneer Dryer Emission Control Systems

Author(s): VJ Tretter

Annual Conference: 1976, Vol. 4

Paper ID: 76-38.2

Wood Waste Fired Boilers: Wet Scrubber Technology

Author(s): AH Mick

Annual Conference: 1976, Vol. 4

Paper ID: 76-38.3

Air Pollutant Monitor Siting by Analytical Techniques 11: Multiple Pollutants

Author(s): ES Hougland, NT Stephens, JM Hughes

Annual Conference: 1976, Vol. 4

Paper ID: 76-39.1

The Great Vapor Recovery Controversy

Author(s): M Feldstein, G Karles, J Talbot

Annual Conference: 1976, Vol. 4

Paper ID: 76-39.2

Analysis of the Findings of the Organic Emission Program of Chicago

Author(s): GT Czerniak, PJ Byron, WT Thorp

Annual Conference: 1976, Vol. 4

Paper ID: 76-39.3

Regional Trends Analysis

Author(s): TW Shiland

Annual Conference: 1976, Vol. 4

Paper ID: 76-39.4

A Prototype Air Quality Management Planning Agency: The AQPC of Metropolitan Washnington, D.C.

Author(s): D Bates

Annual Conference: 1976, Vol. 4

Paper ID: 76-39.5

Activity Management System

Author(s): sd Dennis, KA Hagg Annual Conference: 1976, Vol. 4

Paper ID: 76-39.6

Particulate and POM Emissions from a Small Commercial Stoker-Fired Boiler Firing Several Coals

Author(s): RD Giammar, RB Engdahl, RE Barrett

Annual Conference: 1976, Vol. 1

Paper ID: 76-4.2

Selective Reduction of Nitrogen Oxides in Combustion Flue Gases

Author(s): S Matsuda, M Takeuchi, T Hishinuma, F Nakajima,

y Watanabe, M Imanari Annual Conference: 1976, Vol. 1

Paper ID: 76-4.3

Recent Experiments Made by Electricite De France in the Field of Flue Gas Desulfurization

Author(s): H Blanc, J DuBois, J Richard

Annual Conference: 1976, Vol. 1

Paper ID: 76-4.4

Boiler Emissions-An Inventory of Emissions by Boiler Size and Use

Author(s): RE Barrnett, AA Putham Annual Conference: 1976, Vol. 1

Paper ID: 76-4.6

Condensation and Hazards of Explosive Mixtures

Author(s): LR Ivey

Annual Conference: 1976, Vol. 4

Paper ID: 76-40.2

Occupational Health and Safety Aspects of Air Pollution Control in Steelmaking

Author(s): W Simpson, DH Wheeler Annual Conference: 1976, Vol. 4

Paper ID: 76-40.3

Collecting Hydrocarbon Emission Safety with Electrostatic Precipitators

Author(s): WA Cheney

Annual Conference: 1976, Vol. 4

Paper ID: 76-40.5

Safety Considerations of Solvent Vapor Recovery Equipment

Author(s): D Lee

Annual Conference: 1976, Vol. 4

Paper ID: 76-40.6

Photochemical Smog Potential of New Energy Resource Developments in the Western United States

Author(s): RA Nordsieck, GM Hidy, EA Berman, J Harkins

Annual Conference: 1976, Vol. 4

Paper ID: 76-41.1

Candidate Users and the Minimum Credible On-Site Supplementary Control System

Author(s): H Edson, DH Lucas, LA Schuknecht

Annual Conference: 1976, Vol. 4

Paper ID: 76-41.2

Sulfur Dioxide and Energy Independence: Geographical Allocation of Low-Sulfur Fuels

Author(s): NE Bowne, LG Polgar, DT Hedden

Annual Conference: 1976, Vol. 4

Paper ID: 76-41.3

Hybrid Type Electrostatic Precipitator

Author(s): S Masuda, S Ago, T Itoh, H Saito, N Furuya

Annual Conference: 1976, Vol. 4

Paper ID: 76-42.1

Nondeuschian Phenomena in Electrostatic Precipitation

Author(s): P Cooperman

Annual Conference: 1976, Vol. 4

Paper ID: 76-42.2

The Effect of Voltage on Two Stage Electrostatic Precipitator Collection Efficiency: Comparison Between Model and Experiment

Author(s): JP Reynolds, A Mercando, L Theodore

Annual Conference: 1976, Vol. 4

Paper ID: 76-42.3

Looking Differently at Electrostatic Precipitation Technology

Author(s): EC Potter

Annual Conference: 1976, Vol. 4

Paper ID: 76-42.4

A Study of Rapping Reentraiment in a Large Pilot Electrostatic Precipitator

Author(s): HW Spencer, GB Nichols Annual Conference: 1976, Vol. 4

Paper ID: 76-42.5

Performance Characteristics of a Pilot Scale Particle Charging Device

Author(s): DH Pontius, LG Felix, WB Smith

Annual Conference: 1976, Vol. 4

Paper ID: 76-42.6

Methodology for an Hourly Emissions Inventory of Fugitive Dust Sources for the RAPS Program

Author(s): C Cowherd, C Guenther, CC Masser

Annual Conference: 1976, Vol. 1

Paper ID: 76-5.1

Modeling Particulate Concentrations and Dustfall Rates at the White Rocks Sand and Gravel Mine

Author(s): CF Cole, BE Hanna Annual Conference: 1976, Vol. 1

Paper ID: 76-5.2

Dust Control at a Limestone Quarry

Author(s): W Markey

Annual Conference: 1976, Vol. 1

Paper ID: 76-5.3

Quantification of Dust Entrainment from Paved Roads

Author(s): C Cowherd, CO Mann Annual Conference: 1976, Vol. 1

Paper ID: 76-5.4

Gaseous Hydrocarbon Emissions During The Loading of Marine Vessels

Author(s): JF Mackenzie, CT Rau Annual Conference: 1976, Vol. 1

Paper ID: 76-5.5

Monitoring and Control of Gaseous and Particulate Emissions from Fertilizer Complex

 $Author(s): LN\ Sanders$

Annual Conference: 1976, Vol. 1

Paper ID: 76-5.6

Framework for Evaluating the Economic Effects of an Air Pollution Control Plan

Author(s): GS Tolley, PE Graves Annual Conference: 1976, Vol. 1

Paper ID: 76-6.1

Measuring Benefits and Costs in Dollars

Author(s): JL Gardner

Annual Conference: 1976, Vol. 1

Paper ID: 76-6.2

Economic Analysis of Transportation Emission Control Strategies

Author(s): KG Croke, EJ Croke, RO Zerbe

Annual Conference: 1976, Vol. 1

Paper ID: 76-6.3

Evaluation Through Interdisciplinary Modeling: Stationary Sources in Chicago

Author(s): AS Cohen

Annual Conference: 1976, Vol. 1

Paper ID: 76-6.4

What Has Been Learned About Air Pollution Control

Author(s): GS Tolley, PE Graves Annual Conference: 1976, Vol. 1

Paper ID: 76-6.5

Aircraft O3 Measurements in the Vicinity of Toronto, Canada

Author(s): MA Lusis, KG Anlauf, YS Chung, HA Weibe

Annual Conference: 1976, Vol. 1

Paper ID: 76-7.1

Chemical Analysis and Characterization of Atmospheric Aerosols in the Southwest Desert Atmosphere

Author(s): LE Ranweiler, JL Moyers Annual Conference: 1976, Vol. 1

Paper ID: 76-7.2

Characterization of Hydrocarbons Pollution in the Urban Area of Turbin

Author(s): PP Gaddo, F Corazzari, L Giacomelli

Annual Conference: 1976, Vol. 1

Paper ID: 76-7.4

The Relationship of Acoustic Sounder Records to Pollutant Level in Connecticut

Author(s): D Elias, E Robinson, H Westberg

Annual Conference: 1976, Vol. 1

Paper ID: 76-7.6

Meteorology and Air Quality During the Great Mon Valley Air Pollution Episode of November, 1975

Author(s): SJ Penkala, DG McFarland Annual Conference: 1976, Vol. 1

Paper ID: 76-73

The Effects of Smoke Suppressant Additives on the Particulate Emissions from a Utility Gas Turbine

Author(s): S Hersh, JF Hurley, RC Carr

Annual Conference: 1976, Vol. 1

Paper ID: 76-8.1

Application of the Airport Vicinity Air Pollution Model

Author(s): JE Tigue

Annual Conference: 1976, Vol. 1

Paper ID: 76-8.2

Performance Criteria for Aircraft Turbine Engine Emission Control Methods

Author(s): PG Gott, EK Bastress, AD Little

Annual Conference: 1976, Vol. 1

Paper ID: 76-8.3

A Modeling Techniques for Open Dump Burning

Author(s): m Rosenstein, VJ Descamps Annual Conference: 1976, Vol. 1

Paper ID: 76-9.1

Operational Study of a Heat-Recovering Gin-Waste Incinerator

Author(s): WF Lalor, JK Jones, GA Slater, WG Lambert

Annual Conference: 1976, Vol. 1

Paper ID: 76-9.2

A Pilot Plant Approach to Specifying Electrostatic Precipitators on Low Sulfur Western Coal

Author(s): RC Stone, RC Trueblood, DG Young

Annual Conference: 1975, Vol. 1

Paper ID: 75.2.6

Assuring High Quality Data from Ambient Air Quality Monitoring Networks

Author(s): DJ Johson, RL Richardson, RR Wallis

Annual Conference: 1975, Vol. 1

Paper ID: 75-10.1

Effect of Ambient Carbon Monoxide Measurement Errors on Transportation Control Strategy Requirements

Author(s): ES Rubin, RW Dunlap, CB Wilson

Annual Conference: 1975, Vol. 1

Paper ID: 75-10.2

Cooperative Calibration Program for the Photochemical Oxidant Monitors in the National capitol Interstate Air Quality Control Region

Author(s): ES Mendelsohn, SE Bounds, JJ Nelson, B Cloyed,

B Kumar

Annual Conference: 1975, Vol. 1

Paper ID: 75-10.3

Design and Use of a Van Equipped to Measure Ambient Air Quality for Sulfur and Oxides of Nitrogen Compounds

 $\hbox{Author(s): SL Altshuler}$

Annual Conference: 1975, Vol. 1

Paper ID: 75-10.4

Ambient Pollutant Concentrations and Associated Meteorological Conditions from a Power Plant with Tall Stacks

Author(s): TT Frankenberg, DB Spiegler

Annual Conference: 1975, Vol. 1

Paper ID: 75-10.5

An Evaluation of the Relationship Between Ambient Sulfur Dioxide and Water Soluble Sulfate Concentrations in the City of Chicago

Author(s): SC Wroblewski, TA Kowalski

Annual Conference: 1975, Vol. 1

Paper ID: 75-10.7

EPA Equivalency Performance of a Tuned Second Derivative Ambient Monitor for SO2

Author(s): AM Garcia, RL Ketchum, EG Howard

Annual Conference: 1975, Vol. 1

Paper ID: 75-10.8

The Economics of the Deterioration Dilemma

Author(s): M Dole

Annual Conference: 1975, Vol. 1

Paper ID: 75-11.1

A Comment on the United States Environmental Protection Agency's Flue Gas Desulfurization Policy

Author(s): SB Baruch, SG Lerner Annual Conference: 1975, Vol. 1

Paper ID: 75-11.2

The Energy Crisis-Observed Gasoline Price Electicites in Three American Cities

Author(s): CA Scardino, GS Rutherford

Annual Conference: 1975, Vol. 1

Paper ID: 75-11.3

Critical Uncertainties in Vehicle Emission Exhaust Control Programs

Author(s): JL Midler, OP Hall Annual Conference: 1975, Vol. 1

Paper ID: 75-11.4

Some Economic Damages to Human Health Resulting from the Catalytic Converter

Author(s): JA Jaksch

Annual Conference: 1975, Vol. 1

Paper ID: 75-11.5

Functions of Air Pollution Damage on Human Health

Author(s): BC Liu

Annual Conference: 1975, Vol. 1

Paper ID: 75-11.6

Air Pollution and Residential Property Values in Toronto, Canada

Author(s): PE Sandor, DS Barrows, RM Allingham, AL Jacob

Annual Conference: 1975, Vol. 1

Paper ID: 75-11.7

The Control of Gasoline Vapor Emission at Service Stations

Author(s): DJ Callaghan, M Feldstein Annual Conference: 1975, Vol. 1

Paper ID: 75-12.1

Hydrocarbon Emissions from Chemical Loading Operations

Author(s): SK Wiley

Annual Conference: 1975, Vol. 1

Paper ID: 75-12.2

Vapor Adsorption Technology for Recovery of Chlorinated Hydrocarbons and Other Solvents

Author(s): NR Shaw

Annual Conference: 1975, Vol. 1

Paper ID: 75-12.3

Measurement of Hydrorcarbons Emissions and Process Ventilation Requirements at a Tire Plant

Author(s): BV Lierop, PW Kalika Annual Conference: 1975, Vol. 1

Paper ID: 75-12.4

Control of Rendering Plant Odors by Wet Scrubbers: Results of Plant Tests

Author(s): RH Snow, JE Huff, W Boehme

Annual Conference: 1975, Vol. 4

Paper ID: 75-12.5

Development of a Manpower Planning Model for Air Pollution Agencies

Author(s): FH Renner, J Eagles, D Lynn

Annual Conference: 1975, Vol. 2

Paper ID: 75-13.1

A Cooperative, Multiuniversity Approach to Air Pollution Training

Author(s): JD Spengle, FP Fairchild Annual Conference: 1975, Vol. 2

Paper ID: 75-13.2

Optimum Selection and Performance of Ambient Air Instrumentation

Author(s): RJ Murphy, C Bond Annual Conference: 1975, Vol. 2

Paper ID: 75-14.1

Development of Criteria for Siting Air Monitoring Stations

Author(s): WR Ott

Annual Conference: 1975, Vol. 2

Paper ID: 75-14.2

Random Sampling as an Inexpensive Means for Measuring Average Annual Air Pollutant Concentrations in Urban Areas

Author(s): WR Ott, DT Mage Annual Conference: 1975, Vol. 2

Paper ID: 75-14.3

Seasonal and Source Relationships for Urban Suspended Particulate Matter and Trace Concentrations in New York City

Author(s): MT Kleinman, DM Berstein, M Eisenbud, TJ

Knelp

Annual Conference: 1975, Vol. 2

Paper ID: 75-14.4

An Urban Airshed Model for Predicting Carbon Monoxide Concentrations in Tucson, Arizona

Author(s): RJ Leibrecht, HC Perkins Annual Conference: 1975, Vol. 2

Paper ID: 75-14.5

An Evaluation of Charging and Tapping Emissions for the Basic Oxygen Process

Author(s): RP Mattis

Annual Conference: 1975, Vol. 2

Paper ID: 75-15.1

A Parametric Study of an Open Hearth Furnace Particulate Emissions

Author(s): RB Jacko, JP Loop Annual Conference: 1975, Vol. 2

Paper ID: 75-15.2

Electrostatic Precipitator Maintenance Survey

Author(s): NT Stephens, JM Hughes, BW Owen, WO

Warwick

Annual Conference: 1975, Vol. 2

Paper ID: 75-15.3

Photochemical of Mixtures Simulating Present and Expected Future Concentrations in the Los Angles Ionosphere

Author(s): JM Heuss

Annual Conference: 1975, Vol. 2

Paper ID: 75-16.1

Photochemical Conversion of NO to NO2 by Hydrocarbons in an Outdoor Chamber

Author(s): H Jeffries, DL Fox, R Kamens

Annual Conference: 1975, Vol. 2

Paper ID: 75-16.2

Exhaust Hydrocarbon Relationships with Photochemical Aerosol Formation

Author(s): DF Miller, A Levy Annual Conference: 1975, Vol. 2

Paper ID: 75-16.3

Motor Fuel Composition and Photochemical Smog

Author(s): A Levy, DF Miller, DR Hopper, CW Spicer, RW

Cote, DA Trayser, BS Bailey Annual Conference: 1975, Vol. 2

Paper ID: 75-16.4

Lighting Effects in Smog Simulation: 1. Constant Intensity vs. Diurnal Variation

Author(s): RJ Jaffe

Annual Conference: 1975, Vol. 2

Paper ID: 75-16.5

An Analysis of Long-Range Transport Using Trace Metals in Rainwater

Author(s): DR Koenigshofer Annual Conference: 1975, Vol. 2

Paper ID: 75-17.1

Horizontal SO2 Mass Flow Rate Measurements in Plumes: A Comparison of Correlation Spectrometer Data with a Dispersion and Removal Model

 $\hbox{Author(s): WM Vaughan, RB Sperling, NV Gillani, RB Husar}$

Annual Conference: 1975, Vol. 2

Paper ID: 75-17.2

Cooling Towers and the Environment

Author(s): ML Kramer, ME Smith, MJ Butler, DE Seymour,

TT Frankenberg

Annual Conference: 1975, Vol. 2

Paper ID: 75-17.3

A New Procedure for Calculating Dispersion in Complex Topographies

Author(s): WG Hoydsh, F Sabetta Annual Conference: 1975, Vol. 2

Paper ID: 75-17.4

Study by a Hydraulic Method of the Influence of Topography and Low Structures on the Air Flow Over the Harbor of Marselles (France)

Author(s): PJ Bessemoulin, M Hausard, JC Boulay

Annual Conference: 1975, Vol. 2

Paper ID: 75-17.5

Lead Contamination of the Roadside Ecosystem

Author(s): WH Smith

Annual Conference: 1975, Vol. 2

Paper ID: 75-18.1

Lead Contamination of Urban Soils and Vegetation by Emissions from Secondary Lead Industries

Author(s): SN Linzon, BL Chai, PJ Temple, RG Pearson, ML

Smith

Annual Conference: 1975, Vol. 2

Paper ID: 75-18.2

Entry and Movement in Vegetation of Lead Derived from Air and Soil Sources

Author(s): RL Zimdahl

Annual Conference: 1975, Vol. 2

Paper ID: 75-18.3

Sources and Pathways of Lead in Domestic Animal

Author(s): AL Aronson

Annual Conference: 1975, Vol. 2

Paper ID: 75-18.4

Sources and Effects of Lead in Humans

Author(s): JJ Chisolm

Annual Conference: 1975, Vol. 2

Paper ID: 75-18.5

A Comparison of Source Particulate Measurement Procedures at Kraft Recovery Furnaces, Lime Kilns, Smelt Tanks and bark Fired Boiler

Author(s): AG Kutyna, RA Schmall, AL Caron, RO Blosser

Annual Conference: 1975, Vol. 2

Paper ID: 75-19.2

The Measurement and Control of Gas Temperature in a Method 5 Sampling Train

Author(s): ET Peters, JW Adams Annual Conference: 1975, Vol. 2

Paper ID: 75-19.3

Velocity Calibration of EPA Type Source Sampling Probe

Author(s): ML Smith

Annual Conference: 1975, Vol. 2

Paper ID: 75-19.4

Use of Real-Time Monitors in Source Testing

Author(s): GG Karels, GR Kendall, TE Perardi, DA Levaggi

Annual Conference: 1975, Vol. 2

Paper ID: 75-19.5

Measurement of Hydrocarbons from Coating Operations

Author(s): D Wilson

Annual Conference: 1975, Vol. 2

Paper ID: 75-19.6

Fine Particle Control by Electrostatic Augmentation of Existing Methods

Author(s): DW Cooper

Annual Conference: 1975, Vol. 1

Paper ID: 75-2.1

Field Charging Theory for Electrostatic Precipitation of Ultrafine Particles

Author(s): LW Parker

Annual Conference: 1975, Vol. 1

Paper ID: 75-2.2

Particle Size Distribution on the Performance of Electrostatic Precipitators

Author(s): PL Feldman

Annual Conference: 1975, Vol. 1

Paper ID: 75-2.3

Design Criteria for a Hot Precipitator

Author(s): J Peacy

Annual Conference: 1975, Vol. 1

Paper ID: 75-2.4

Western Fly Ash Composition as an Indicator of Resistivity and Pilot ESP Removal Efficiency

Author(s): SJ Selle, LL Hess, EA Sondreal

Annual Conference: 1975, Vol. 1

Paper ID: 75-2.5

Electrostatic Precipitation Assessment for Lightweight Aggregate Production

Author(s): JM Hughes, NT Stephens, RA Gunn

Annual Conference: 1975, Vol. 1

Paper ID: 75-2.7

Safety Requirements and Performance Considerations for Electrostatic Precipitators Installed on Organic Emissions

Author(s): WB Rossnagel Annual Conference: 1975, Vol. 2

Paper ID: 75-20.1

An Engineering Analysis of the Respiratory and Total Dust Problems Associated with Cotton Textile Processing Operations

Author(s): RM Bethea, PR Morey Annual Conference: 1975, Vol. 2

Paper ID: 75-20.2

Removal of Textile Smoke Emissions by Electrostatic Precipitation

Author(s): MR Beltran

Annual Conference: 1975, Vol. 2

Paper ID: 75-20.3

Reduced Smoke Emission and Fuel Consumption of a Textile Tenter Dryer by Recycling Combustion Flows

 $\hbox{Author(s): WH Herbrank}$

Annual Conference: 1975, Vol. 2

Paper ID: 75-20.4

Analysis of Flue Gas Emissions from Tenter Frame Operations Processing Synthetic Fabrics

Author(s): JJ Porter, FC Alley, JR Grubbs

Annual Conference: 1975, Vol. 2

Paper ID: 75-20.5

The Technology Assessment Act and Air Pollution

Author(s): RK Raufer

Annual Conference: 1975, Vol. 2

Paper ID: 75-22.1

Evaluating Uncertainties Associates with Air Quality Projections

Author(s): JG Holmes, JL Horowitz, SG Kuhrtz

Annual Conference: 1975, Vol. 2

Paper ID: 75-22.3

The Potential for Relaxation of Emission Standards in Texas

Author(s): JL Wood, WT Echols Annual Conference: 1975, Vol. 2

Paper ID: 75-22.4

The Active Policy of Air Protection on the Area of a Great Municipal and Industrial Agglomeration on the Example of the Upper Silesiam Industrial Region

Author(s): S Jarzebski

Annual Conference: 1975, Vol. 2

Paper ID: 75-22.5

The Estimation and Control of Stratospheric Emissions from Aircraft in the 1990-2000 Decade

Author(s): JM English, GL Kernman Annual Conference: 1975, Vol. 2

Paper ID: 75-22.7

Maintenance Planning in Massachusetts: Use of Land Cover Factors for Apportionment and Projection of Area Source Emissions

Author(s): KA Hagg, TR Parks, FH Benesh, RD Siegel

Annual Conference: 1975, Vol. 2

Paper ID: 75-22.8

Retrofit SO2 Control Techniques for Existing Equipment at Arizona Smelters

Author(s): IJ Weisenberg, P Wondra Annual Conference: 1975, Vol. 2

Paper ID: 75-23.1

Vapor Control by Condensation: Performance Equations and Design Procedures

Author(s): L Theodore, AJ Buonicore Annual Conference: 1975, Vol. 2

Paper ID: 75-23.2

A Probing Study of NO Formation in the Flame Zone of a 175 Mw Gas Fired Utility Boiler

Author(s): KR Krumwiede, DM Norton, GW Johnston, RE

Thompson, BP Breen, V Quan Annual Conference: 1975, Vol. 2

Paper ID: 75-23.4

Oxidation of Aromatic Amine Air Pollutants Using Chloramine-T and Hypochlorous Acid

Author(s): NM Trieff, VMS Ramanujam

Annual Conference: 1975, Vol. 2

Paper ID: 75-23.5

Integrated NOx Pollution Abatement Systems for Nitric Acid Plants

Author(s): RE Kenson

Annual Conference: 1975, Vol. 2

Paper ID: 75-23.6

Applied Odor Control within a Petroleum Refinery

Author(s): HJ Klooster, GA Vogt, DG Bernhart

Annual Conference: 1975, Vol. 2

Paper ID: 75-23.7

Liquid Aerosol Detection and Measurement

Author(s): H Medecki, DE Magnus Annual Conference: 1975, Vol. 2

Paper ID: 75-24.1

Particulate Sampling Has Gone Automatic

Author(s): RW Boubel, B Sadri Annual Conference: 1975, Vol. 2

Paper ID: 75-24.2

New Type Stack Dust Monitor

Author(s): K Ootsuka

Annual Conference: 1975, Vol. 2

Paper ID: 75-24.4

The National Status of Air Pollution by Total Suspended Particulates and Future Prospects for Control

Author(s): TG Pace, WH Stevenson Annual Conference: 1975, Vol. 2

Paper ID: 75-25.1

Experimental Measurements and Predictions of Particle Deposition and Resupension Rates

Author(s): GA Sehmel

Annual Conference: 1975, Vol. 2

Paper ID: 75-25.2

Measurement of Fugitive Emissions

Author(s): PW Kalika, PT Bartlett, RE Kenson, JE Yocum

Annual Conference: 1975, Vol. 2

Paper ID: 75-25.3

Short Term Testing for Fugitive Dust Effect

Author(s): MF Lebowitz

Annual Conference: 1975, Vol. 2

Paper ID: 75-25.4

Missouri Workable Fugitive Dust Regulation

Author(s): BF Keeling, RJ Schreiber, JH Long

Annual Conference: 1975, Vol. 2

Paper ID: 75-25.5

Evaporation Rates of Exhaust Products Discharged from Outboard Engines

Author(s): WW Shuster

Annual Conference: 1975, Vol. 2

Paper ID: 75-25.6

Fluorine Emissions from Wet Process Phosphoric Acid Plant Process Water Ponds

Author(s): WR King, JK Ferrell Annual Conference: 1975, Vol. 2

Paper ID: 75-25.7

Visibility Measurements in the Painted Desert

Author(s): FM Roberts, JL Gordon, DL Haase, RE Kary, JR

Weiss

Annual Conference: 1975, Vol. 3

Paper ID: 75-26.1

Influence of Meteorological Factors Upon Effluent Concentrations on and Near Buildings with Short Stacks

Author(s): DG Smith

Annual Conference: 1975, Vol. 3

Paper ID: 75-26.2

Dispersion Governed by the Thermal Internal Boundary Layer

Author(s): B Weisman, MS Hirt Annual Conference: 1975, Vol. 3

Paper ID: 75-26.3

Prediction of Air Pollution Concentrations from Agricultural Burning

Author(s): A Daniels, W Bach Annual Conference: 1975, Vol. 3

Paper ID: 75-26.4

A Comparison of Plume Dispersion Calculations with Tracer Measurements at Huntington Canyon, Utah

Author(s): RB Lantz, GF Hoffnagle Annual Conference: 1975, Vol. 3

Paper ID: 75-26.5

Dispersion from an Elevated Source Over Colstrip, Montana

Author(s): JA Heimbach, AB Super, JT McPartland

Annual Conference: 1975, Vol. 3

Paper ID: 75-26.6

APMAX-A Computer Program Designed to Estimate Short-Term Concentrations of Air Contaminants

Author(s): ME Lukey, JK Allison Annual Conference: 1975, Vol. 3

Paper ID: 75-26.8

Elemental Composition of Suspended Particulates as Functions of Space and Time in Cleveland, Ohio

Author(s): HE Neustadter, RB King, JS Fordyce

Annual Conference: 1975, Vol. 3

Paper ID: 75-28.1

Field Studies of Suspended Particulates in Two Idaho Cities

Author(s): FA Record, RM Bradway Annual Conference: 1975, Vol. 3

Paper ID: 75-28.2

Atmospheric Sulfates from Biological Sources

Author(s): DR Hitchcock

Annual Conference: 1975, Vol. 3

Paper ID: 75-28.4

Characterization of Ambient Aerosols by Seven Channel Solar Radiometry and Other Measurements

Author(s): RK Severs, JC Peng Annual Conference: 1975, Vol. 3

Paper ID: 75-28.5

The Nature and Origins of Visibility Reducing Aerosols in Los Angeles

Author(s): WH White, PT Roberts Annual Conference: 1975, Vol. 3

Paper ID: 75-28.6

Real Time Characterization of Particulate Emissions from Major Sources

Author(s): GW Israel, JS Whang Annual Conference: 1975, Vol. 3

Paper ID: 75-28.7

Can We Ever Meet the Oxidant Standard?

Author(s): S Duckworth, RW McMullen Annual Conference: 1975, Vol. 3

Allitual Colletelice. 1973, Vol. 2

Paper ID: 75-29.1

Vapor Emissions from Organic Liquid Storage:

Development of Control Regulations

Author(s): LR Ivey

Annual Conference: 1975, Vol. 3

Paper ID: 75-29.2

An Economic and Environmental Assessment of Air Quality Policies for Electric Utilities

Author(s): R Bright, K Croke, J Hoover, K Hub, D

Schregardus, P Walker

Annual Conference: 1975, Vol. 3

Paper ID: 75-29.4

The Air Quality and Energy Implications of Supplementary Control System Implementation

Author(s): JE Norco, RK Raufer, PA Roberts

Annual Conference: 1975, Vol. 3

Paper ID: 75-29.5

Economic and Environmental Benefits of Performance Standards Applied to New Stationary Sources

Author(s): GW Walsh, GD McCutchen Annual Conference: 1975, Vol. 3

Paper ID: 75-29.6

Air Quality Maintenance Planning in Massachusetts

Author(s): KA Hagg, LA Labrie Annual Conference: 1975, Vol. 3

Paper ID: 75-29.7

Socioeconomic Analyses of Air Quality Maintenance Strategies

Author(s): MD High, CM Ehler, TA LiPuma

Annual Conference: 1975, Vol. 3

Paper ID: 75-29.8

Pollution Emission Analysis of U.S. Air Force Aircraft and Airbases

Author(s): DF Naugle

Annual Conference: 1975, Vol. 1

Paper ID: 75-3.1

Turbine Emission Control-A System Approach

Author(s): AJ Teller

Annual Conference: 1975, Vol. 1

Paper ID: 75-3.2

Empirical Validation of Turbine Engine Exhaust Measurements

Author(s): WG Alwang, NT Cmpbell, RH Groth

Annual Conference: 1975, Vol. 1

Paper ID: 75-3.3

Problems in Establishment of Standard Reference Gases and Analytical Procedures for Use in Turbine Exhaust Measurements

Author(s): JH Elwood, DJ Roberston, DG Gardner, RH Groth

Annual Conference: 1975, Vol. 1

Paper ID: 75-3.4

Aircraft Control Measures for Emission Reduction

Author(s): JF Tschaz, RR Cirillo, DM Rote, JE Camioni

Annual Conference: 1975, Vol. 1

Paper ID: 75-3.5

Condensation and Evaporation Effects in Particulate Scrubbing

Author(s): KT Semrau, CL Witham Annual Conference: 1975, Vol. 3

Paper ID: 75-30.1

Collection Efficiency of Entrainment Separators

Author(s): IL Jashnani

Annual Conference: 1975, Vol. 3

Paper ID: 75-30.2

The Ceilcote Ionizing Wet Scrubber

Author(s): WL Klugman, SV Sheppard

Annual Conference: 1975, Vol. 3

Paper ID: 75-30.3

Cost Models for Venturi Scrubber Systems

Author(s): MD Fraser, DR Eaton Annual Conference: 1975, Vol. 3

Paper ID: 75-30.4

The Centripetal Vortex Contractor for SO2 Absorption and Fine Particulate Removal

Author(s): RP Tennyson

Annual Conference: 1975, Vol. 3

Paper ID: 75-30.5

Control of Fine Particulates form Continuous Melting Regenerative Container Glass Furnaces

Author(s): H Simon, JE Williamson Annual Conference: 1975, Vol. 3

Paper ID: 75-30.6

Control of Emissions from Secondary Metals Recovery and Asphalt Paving Plants

Author(s): AW Spitz

Annual Conference: 1975, Vol. 3

Paper ID: 75-30.7

Population Density and Its Relationship to Airborne Pollutant Concentrations and Lung Cancer Incidence in Connecticut

Author(s): RA Rubino, L Bruckman, A Kramer, B Keever, P

Sullivan, B Christine

Annual Conference: 1975, Vol. 3

Paper ID: 75-31.1

Biological Effects of Exhaust II. Effects of Carbon

Monoxide vs. Whole Emissions from Engine with Catalyst Author(s): VN Finelli, M Karaffa, M Malanchuk, RM Danner,

L McMillan, SD Lee

Annual Conference: 1975, Vol. 3

Paper ID: 75-31.3

Carbon Monoxide Exposures to Boston Bicyclists

Author(s): BC Kleiner, JD Spengler Annual Conference: 1975, Vol. 3

Paper ID: 75-31.4

Determination of Environmental Carbon Monoxide Exposures Through Personal Monitoring -Fixed vs. Personal and Transportation Mode Relationships

Author(s): AD Cortese, JD Spengler Annual Conference: 1975, Vol. 3

Paper ID: 75-31.5

Effects of Various Metal Sulfates on Succinate-Dependent Respiration

Author(s): SD Lee, M Richards, L McMillan, R Shelley, VN

Finelli

Annual Conference: 1975, Vol. 3

Paper ID: 75-31.6

Rationale Behind a Proposed Cadmium Air Quality Standard

Author(s): L Bruckman, RA Rubino, T Helfgott

Annual Conference: 1975, Vol. 3

Paper ID: 75-31.7

Research in Aerosol Dynamics

Author(s): JR Brock, P Middleton Annual Conference: 1975, Vol. 3

Paper ID: 75-32.1

Progress and Problems in Atmospheric Photochemical Aerosols

Author(s): GM Hidy, PK Mueller Annual Conference: 1975, Vol. 3

Paper ID: 75-32.10

Dielectrophoretic Filtration of Solid and Liquid Aerosol Particulates

Author(s): GH Fielding, JK Thompson, HF Bogardus, RC

Clark

Annual Conference: 1975, Vol. 3

Paper ID: 75-32.2

Survey of Department of Defense Aerosol Technology

Author(s): EA Byrd, S Gee, OM Meredith

Annual Conference: 1975, Vol. 3

Paper ID: 75-32.3

The Propagation of Errors in Particle Size Distribution Measurements Performed Using Cascade Impactors

Author(s): MJ Fegley, DS Encor, LE Sparks

Annual Conference: 1975, Vol. 3

Paper ID: 75-32.5

Aerosol Research at Rutgers University:1. Behavior of Soluble Particles and . Surface Interaction of Gases on Solid Particles

Author(s): PJ Lioy, GT Wolff, RM Manganelli

Annual Conference: 1975, Vol. 3

Paper ID: 75-32.6

Aerosol Filtration Research for Recirculation

Author(s): KJ Caplin

Annual Conference: 1975, Vol. 3

Paper ID: 75-32.7

A Review of USAF Aerosol Research: Aerosol Generation in Electroplating

Author(s): PS Daley

Annual Conference: 1975, Vol. 3

Paper ID: 75-32.8

Screening Technique for Hazardous Metallic Compounds in Particulate Stack Effluents

Author(s): JK Owusu, RM Bethea Annual Conference: 1975, Vol. 3

Paper ID: 75-33.1

Determination of Solvent Vapor Concentrations by Total Combustion Analysis: A Comparison of Infrared with Flame Ionization Detectors

Author(s): AE Salo, S Witz, RD MacPhee

Annual Conference: 1975, Vol. 3

Paper ID: 75-33.2

Efficient Collection of Polycyclic Organic Compounds from Combustion Effluents

Author(s): PW Jones, RD Giammar, PE Strup, TB Stanford

Annual Conference: 1975, Vol. 3

Paper ID: 75-33.3

Gas Chromatographic Analysis of Organic Emissions

Author(s): WP Dolan

Annual Conference: 1975, Vol. 3

Paper ID: 75-33.4

Power Plant Impact on Ambient Air: Coal vs. Oil Combustion

Author(s): MK Anderson

Annual Conference: 1975, Vol. 3

Paper ID: 75-33.5

Air Quality Modeling Analysis of Power Plants For Fuel Conversion

Author(s): LN Morgenstern, P. Morgenstern, CE Mears, DH

Barrett

Annual Conference: 1975, Vol. 3

Paper ID: 75-33.6

Elemental Analysis of Fly Ash from Combustion of a Low Sulfur Coal

Author(s): DS Ensor, TA Cahill, LE Sparks

Annual Conference: 1975, Vol. 3

Paper ID: 75-33.7

Air Pollution in the Woodworking Industry

Author(s): JW Walton, EC Koontz, JR McInnis

Annual Conference: 1975, Vol. 3

Paper ID: 75-34.1

Wet Scrubber Application to Hooded Fuel Boilers

Author(s): JW Robinson

Annual Conference: 1975, Vol. 3

Paper ID: 75-34.2

Odor Control Features of a New Kraft Mill

Author(s): KC Ayers, JL Parr Annual Conference: 1975, Vol. 3

Paper ID: 75-34.3

Laboratory and Field Study of Reduced Sulfur Sampling and Monitoring Systems

Author(s): ME Franklin, RO Blosser, AL Caron, AK Jain, WJ

Gillespie

Annual Conference: 1975, Vol. 3

Paper ID: 75-34.4

The Emission of Asbestos Particles from Open Sources

Author(s): CF Harwood, DK Oestreich Annual Conference: 1975, Vol. 3

Paper ID: 75-36.1

Fugitive Particulate from Highway Construction

Author(s): KF Kosky, MP Wanielista Annual Conference: 1975, Vol. 3

Paper ID: 75-36.3

Satellite and Surface Observations of Texas Dust Storms

Author(s): WM Porch, JE Lovill Annual Conference: 1975, Vol. 3

Paper ID: 75-36.4

Methodology for a National Emissions Inventory of Fugitive Dust Sources

Author(s): C Cowherd, JH Southernland, CO Mann

Annual Conference: 1975, Vol. 3

Paper ID: 75-36.5

An Inventory of /emissions from Forest Wildfires, Forest Managed Burns and Agricultural Burns

Author(s): G Yamate, J Stockham Annual Conference: 1975, Vol. 3

Paper ID: 75-36.6

Development of /emission Factors for Estimating Atmospheric Emissions from Forest Fires

Author(s): G Yamate, J Stockham, D Becker, t Waterman, P

Llewellen, WM Vatavuk Annual Conference: 1975, Vol. 3

Paper ID: 75-36.7

Determination and Evaluation of Stack Emissions from Municipal Incinerators

Author(s): L Kaplan, P Franconeri Annual Conference: 1975, Vol. 3

Paper ID: 75-38.1

Partial Combustion and Pyrolysis of Solid Organic Wastes

Author(s): WW Shuster

Annual Conference: 1975, Vol. 3

Paper ID: 75-38.2

An Environmentally Sound Waste Management and Resource Recovery System

Author(s): JJ Milkovich

Annual Conference: 1975, Vol. 3

Paper ID: 75-38.3

Fundamentals of Pyrolysis Processes for Resource Recovery and Pollution Control

Author(s): FM Lewis

Annual Conference: 1975, Vol. 3

Paper ID: 75-38.4

Control of Atmospheric Emissions from Solid Waste Pyrolysis Systems

Author(s): JA Fife

Annual Conference: 1975, Vol. 3

Paper ID: 75-38.5

Summary of Solid Waste Incineration and Energy Recovery in Hospitals

Author(s): LT Smith, RA Matula, FK Tsou

Annual Conference: 1975, Vol. 3

Paper ID: 75-38.6

Emissions from the Suspension Firing of Municipal Solid Waste and Pulverized Coal

Author(s): JD Kilgroe, LJ Shannon, MP Schrag

Annual Conference: 1975, Vol. 3

Paper ID: 75-38.7

Application of a Three Dimensional Diffusion Model for Predicting Air Pollution Under Thermal Inversion Breakup Fumigation Conditions

Author(s): A Roffman, RK Rao, R Grimble

Annual Conference: 1975, Vol. 1

Paper ID: 75-4.1

Limited Mixing and Inversion Breakup Evaluations Using Routine upper Air and Surface Data

Author(s): PD Gutfreund

Annual Conference: 1975, Vol. 1

Paper ID: 75-4.2

An Efficient Gaussian-Plume Multiple Source Air Quality Algorithm

Author(s): JM Hrenko, DB Turner Annual Conference: 1975, Vol. 1

Paper ID: 75-4.3

A Diffusion Model for Air Quality Simulation

Author(s): K Shiozawa, S Okamoto, A Ootaki

Annual Conference: 1975, Vol. 1

Paper ID: 75-4.4

A Dynamic Plume Model for the Prediction of Atmospheric Effects Associates with Cooling Tower Operation

Author(s): KS Rao, JS Lague, BA Egan Annual Conference: 1975, Vol. 1

Paper ID: 75-4.5

Cross Evaluation of Regional Air Pollution Models

Author(s): AJ Fabrick, RC Sklarew Annual Conference: 1975, Vol. 1

Paper ID: 75-4.6

Plume Rise from a Row of Chimneys

Author(s): BL Murphy

Annual Conference: 1975, Vol. 1

Paper ID: 75-4.7

Isokinetic Sampler for Continuous Airborne Aerosol Measurements

Author(s): JA Pena, JM Norman, DW Thomson

Annual Conference: 1975, Vol. 4

Paper ID: 75-40.2

A Useful Method for Transport Response Analysis and Data Correction Applied to Aircraft Plume Sampling

Author(s): GR Markowski Annual Conference: 1975, Vol. 4

Paper ID: 75-40.3

Helicopter Platform Air Pollution Data 1. The RAPS Program

Author(s): N Hester, R Evans, C Fitzsimmons, D Mage, M

Price

Annual Conference: 1975, Vol. 4

Paper ID: 75-40.4

In Situ Continuous Measurement of Particulate Mass Concentration

Author(s): FM Shofner, G Kreikebaum, HW Schmitt

Annual Conference: 1975, Vol. 4

Paper ID: 75-41.1

Diffusion Battery Data Inversion

Author(s): DW Cooper

Annual Conference: 1975, Vol. 4

Paper ID: 75-41.2

A Simplified Aerosol Coagulation Model

Author(s): AW Hogan

Annual Conference: 1975, Vol. 4

Paper ID: 75-41.3

Experimental Verification of Diffusion Battery Theory

Author(s): D Sinclair, RJ Countess, BYH Liu, DYH Pui

Annual Conference: 1975, Vol. 4

Paper ID: 75-41.4

Pilot Study of Proposed Vehicle Inspection Program in Marion County, Indiana

Author(s): HD Williams, WE McPhail, JR Eid, TJ Geisler

Annual Conference: 1975, Vol. 4

Paper ID: 75-42.1

AN Investigation of Motor Vehicle Emissions Deterioration Through Idle Emissions Testing

Author(s): GL Caprarotta, DJ Orf Annual Conference: 1975, Vol. 4

Paper ID: 75-42.2

New Jersey's Auto Emission Inspection Program: An Assessment of One Year's Mandatory Operation

Author(s): J Elston, D Cowperthwait Annual Conference: 1975, Vol. 4

Paper ID: 75-42.3

Arizona Key Mode Auto Inspection

Author(s): AA Aymar

Annual Conference: 1975, Vol. 4

Paper ID: 75-42.4

A Diagnostic Procedure Using Emission Data to Reduce Automotive Air Pollution

Author(s): JN Patterson, GA Issacs Annual Conference: 1975, Vol. 4

Paper ID: 75-42.5

Wake-Induced Dispersion of Automobile Exhaust Pollutants

Author(s): JA Fay, KD Eng Annual Conference: 1975, Vol. 4

Paper ID: 75-44.1

Simplified Calculation Procedures for Predicting Carbon Monoxide Due to Vehicular Traffic

Author(s): L Weitzman, JC Reed, CE Dare

Annual Conference: 1975, Vol. 4

Paper ID: 75-44.2

ISMAP--A Traffic/Emissions/Dispersion Model for Indirect Sources

Author(s): WF Dabberdt, RC Sandys, PA Buder

Annual Conference: 1975, Vol. 4

Paper ID: 75-44.3

An Approach for Relating Traffic to Ambient Carbon Monoxide Concentrations at Signalized Intersections

Author(s): RM Patterson, EL Meyer Annual Conference: 1975, Vol. 4

Paper ID: 75-44.4

Diffusion from a Line Source

Author(s): RE Burns

Annual Conference: 1975, Vol. 4

Paper ID: 75-44.5

The Effect of Sampling Line on the Measurement Results of Sulfur Dioxide: A Case Study

Author(s): Y Mamane, AE Donagi Annual Conference: 1975, Vol. 4

Paper ID: 75-45.2

Determination of a Factor for Standardizing Ambient Carbon Monoxide Data

Author(s): DC Simeroth, G Bemis Annual Conference: 1975, Vol. 4

Paper ID: 75-45.3

An Evaluation of Air Quality Monitoring for Fossil-Fuel Power Plant in a Regional Power System

Author(s): DW Hoffman, HJ Paulus, DP Lingo

Annual Conference: 1975, Vol. 4

Paper ID: 75-45.4

Ambient Sampling for Stationary and Mobile Source Hydrocarbons in Houston, Texas

Author(s): JR McMurry, RE Flannery, LH Fowler, DJ Johnson

Annual Conference: 1975, Vol. 4

Paper ID: 75-45.5

Hydrogen Sulfide: New Sources and Potential Impacts

Author(s): H Roffman, MC Bender Annual Conference: 1975, Vol. 4

Paper ID: 75-46.1

Ambient Air Quality in the Vicinity of Geothermal Power Generating Plants

Author(s): SL Altshuler

Annual Conference: 1975, Vol. 4

Paper ID: 75-46.2

Potential of Fluidized Bed Combustion for Reducing Trace-Element Emissions

Author(s): WM Swift, GJ Vogel, AF Panek

Annual Conference: 1975, Vol. 4

Paper ID: 75-46.3

Air Pollution Aspects of Alternative Energy Sources

 $\hbox{Author(s): CR Bozzuto, JH Fernandes, FJ Hanzalek, AL}$

Plumley

Annual Conference: 1975, Vol. 4

Paper ID: 75-46.4

Changes in Levels of Atmospheric Oxygen and Carbon Dioxide Produced by Burning of Fossil Fuels and by Changes in Land Usage

Author(s): GE Fisher

Annual Conference: 1975, Vol. 4

Paper ID: 75-46.5

Particulate and SO2 Removal Systems at Eddystone Station of Philadelphia Electric Company

Author(s): JA Gille, BM Anz Annual Conference: 1975, Vol. 4

Paper ID: 75-48.1

Estimating Costs of Flue Gas Desulfurization Systems for Utility Boilers

Author(s): LV Yerino, TC Ponder, C Chatlynne

Annual Conference: 1975, Vol. 4

Paper ID: 75-48.2

Control of Claus Plant Sulfur Compound Emissions with IFP Technology

Author(s): JW Andrews, P Bonnifay, BJ Cha, Y Barthel, A

Deschamps, S Frankowiak, P Renault Annual Conference: 1975, Vol. 4

Paper ID: 75-48.3

A Commercially Proven Solution for Power Plant Flue Gas Desulfurization the Wellman Lord SO2 Recovery Process

Author(s): RI Pedroso, WJ Osborne Annual Conference: 1975, Vol. 4

Paper ID: 75-48.4

Turbulent Plume in a Turbulent Cross Flow: Comparison of Wind Tunnel Tests with Field Observations

Author(s): DP Hoult, SR O'Dea, GL Toult, RJ Ketterer

Annual Conference: 1975, Vol. 4

Paper ID: 75-49.1

Multiple Plume Interactions from Rectangular Gas Turbine Exhaust Stacks

Author(s): MN Milhous, FW Lipfert, P Baronti

Annual Conference: 1975, Vol. 4

Paper ID: 75-49.2

The ESEERCO Model for the Prediction of Plume Rise and Dispersion from Gas Turbine Generators

Author(s): BA Egan, PC Freudenthal, WG Hoydysh, A Jepsen

Annual Conference: 1975, Vol. 4

Paper ID: 75-49.3

A Comparison Between Calculated and Observed Full Scale and Model Gas Turbine Plume Trajectories

Author(s): DJ Moore, AG Robins Annual Conference: 1975, Vol. 4

Paper ID: 75-49.4

Scaling Considerations for Simulating Plume Rise and Plume Dispersion from Gas Turbine Generators

Author(s): WG Hoydysh, P Dipsey, T Yoshida

Annual Conference: 1975, Vol. 4

Paper ID: 75-49.5

Experimental Measurements of Aerosol Deposition in a Model of a Lung Bifurcation

Author(s): KA Bell, SK Freidlander, WM Keck

Annual Conference: 1975, Vol. 4

Paper ID: 75-50.2

Aerosol Aerodynamic Size Conventions for Inertial Sampler Calibration

Author(s): OG Raabe

Annual Conference: 1975, Vol. 4

Paper ID: 75-50.3

Study of the Flow Rate Effect in Upper Respiratory Deposition and Implications for Exercise Exposure

Author(s): DL Swift

Annual Conference: 1975, Vol. 4

Paper ID: 75-50.4

Quantitative Measurements of Pollutant Asbestos: 1. A New X-Ray Diffraction Technique

Author(s): LS Birks, M Fatemi Annual Conference: 1975, Vol. 4

Paper ID: 75-50.5

Aerosol Capture Efficiency in Scrubbers

Author(s): HE Hesketh

Annual Conference: 1975, Vol. 4

Paper ID: 75-50.6

Quantitative Measurement of Pollutant Asbestos: Part11. Sample Preparation Techniques and Typical Results

Author(s): M Fatemi, ET Hohnson, JV Gilrich, LS Birks

Annual Conference: 1975, Vol. 4

Paper ID: 75-50.7

Weekday-Weekend Pollutant and Meteorological Studies of the Los Angeles Basin

Author(s): SB Studies, DP Chock Annual Conference: 1975, Vol. 4

Paper ID: 75-51.1

Assessing the Validity of the Lognormal Model When Predicting Maximum Air Pollution Concentrations

Author(s): TC Curran, NH Frank Annual Conference: 1975, Vol. 4

Paper ID: 75-51.3

An Improved Statistical Model and Analyzing Air Pollution Concentration Data

Author(s): DT Mage

Annual Conference: 1975, Vol. 4

Paper ID: 75-51.4

Some Empirical Model for the Los Angeles Photochemical Smog Data

Author(s): GC Tiao, MS Phadke, GEP Box

Annual Conference: 1975, Vol. 4

Paper ID: 75-51.5

The Analysis of Ground Level Ozone Data from New Jersey, New York, Connecticut and Massachusetts: Data Quality Assessment and Temporal and Demographical Properties

Author(s): WS Cleveland, B Kleiner, JE McRae, JL Warner

Annual Conference: 1975, Vol. 4

Paper ID: 75-51.6

A Pollution Forecasting Algorithm Based on Bayesian Statistical Methods

Author(s): DL Nicholson, ML Marple Annual Conference: 1975, Vol. 4

Paper ID: 75-51.7

Impact of Indiana Power Plants on Ambient Air Quality

Author(s): J Eid, W McPhail, J Ryan, HD Williams

Annual Conference: 1975, Vol. 4

Paper ID: 75-53.1

Development of an Emission Inventory Program for a Complex Emission Source

Author(s): LJ Sell, JJ Conway Annual Conference: 1975, Vol. 4

Paper ID: 75-53.2

A Measurement Program to Determine Plume Configurations and Associated Ground Level Air Pollutant Impact at the Beaver Gas Turbine Facility

Author(s): WG England, LH Teuscher, RB Snyder

Annual Conference: 1975, Vol. 4

Paper ID: 75-53.3

Statistical Prediction Modeling for Regional Air Pollution Prevention

Author(s): K Shiozawa, S Okamoto, A Ootaki

Annual Conference: 1975, Vol. 4

Paper ID: 75-53.4

Analysis of Air Pollution Impact at Washington National Airport Using Dispersion Models

Author(s): IT Wang, DM Rote, LA Conley

Annual Conference: 1975, Vol. 4

Paper ID: 75-53.5

Air Quality Impact Modeling Program for the J.F. Kennedy Memorial Library Environmental Impact Statement

Author(s): PH Guldberg, RD Siegel Annual Conference: 1975, Vol. 4

Paper ID: 75-53.6

Air Quality Maintenance Through Practical Modeling

Author(s): RC Sklarew, JC Wilson, AJ Fabrick

Annual Conference: 1975, Vol. 4

Paper ID: 75-53.7

Cost Effectiveness of Gasoline Vapor Recovery Systems

Author(s): AM Schneider Annual Conference: 1975, Vol. 4

Paper ID: 75-54.1

Highway Vehicle Operating Characteristics Fuel Economy and Exhaust Emissions

Author(s): JC Sturm, DS Kircher Annual Conference: 1975, Vol. 4

Paper ID: 75-54.2

Effects of the Motor Vehicle Control Program Hydrocarbon Concentrations in the Central Los Angeles Atmosphere

Author(s): MJ Leonard, EL Fisher, MF Brunelle, JE Dickinson

Annual Conference: 1975, Vol. 4

Paper ID: 75-54.3

Unleaded Gasoline Enforcement Program

Author(s): CN Freed

Annual Conference: 1975, Vol. 4

Paper ID: 75-54.6

Air Quality Measurements in Turbin, 1971-1974

Author(s): PP Gaddo, F Corazzari, L Giacomelli

Annual Conference: 1975, Vol. 4

Paper ID: 75-54.7

Quantitative Assessment of Odor Intensity & Odor Noxiousness Through Psychophysical Scaling

Author(s): HR Moskowitz Annual Conference: 1975, Vol. 4

Paper ID: 75-55.1

Odor Characteristics of Mixtures of Sulfur Compounds Emitted from Viscose Process

Author(s): LG Polgar, RA Duffee, LJ Updyke

Annual Conference: 1975, Vol. 4

Paper ID: 75-55.2

New Apparatus on the Measurement of Odor Intensity

Author(s): K Mishida, T Honda, K Bota

Annual Conference: 1975, Vol. 4

Paper ID: 75-55.3

Measurement of Ambient Odors Using Dynamic Forced Choice Triangle Olfactometer

Author(s): A Dravenieks, WH Prokop, WR Boehme

Annual Conference: 1975, Vol. 4

Paper ID: 75-55.5

Atmospheric Hydrogen Sulfide Measurement Using a Silver Nitrate Based Tape Sampler

Author(s): RS Eisinger

Annual Conference: 1975, Vol. 5

Paper ID: 75-56.1

Monitoring of NO-NO2 in an Urban Environment

Author(s): WJ Zolner, GW Dillon Annual Conference: 1975, Vol. 5

Paper ID: 75-56.2

A Mercury Vapor Detection Based upon the Automatic Adjustment of Lamp Intensity to the Mercury Concentration

Author(s): G Dowd, G Corte, JL Monkman

Annual Conference: 1975, Vol. 5

Paper ID: 75-56.4

Long-Path Laser Monitoring of Atmospheric Pollutant Gases

Author(s): RT Ku, ED Hinkley, JO Sample, LW Chaney, WA

McClenny

Annual Conference: 1975, Vol. 5

Paper ID: 75-56.5

Long Path Laser Monitoring of CO in the St. Louis Area

Author(s): LW Chaney, WA McLenny, RT Ku

Annual Conference: 1975, Vol. 5

Paper ID: 75-56.6

Field Testing the Scaringelli and Thompson Ambient Mercury Methods

Author(s): TL Guinivan, R Goldberg, RM Tuggle

Annual Conference: 1975, Vol. 5

Paper ID: 75-56.7

A Low Parts Per Million Highly Selective Catalytic Oxidation Analyzer for Carbon Monoxide in Ambient Air

Author(s): CJ Bossart

Annual Conference: 1975, Vol. 5

Paper ID: 75-56.8

Particle Collection by a Pulse-Jet Fabric Filter

Author(s): D Leith, MW First Annual Conference: 1975, Vol. 5

Paper ID: 75-57.1

Aerosol Penetration of Dusted Felt Filter Media

Author(s): D Rimberg, V Hampl Annual Conference: 1975, Vol. 5

Paper ID: 75-57.2

Optimal Design of a Fabric Filter System

Author(s): K Iinoya, K Makino, N Izumi

Annual Conference: 1975, Vol. 5

Paper ID: 75-57.3

Influence of Fiber Properties of the Performance of Nonwoven Air Filters

Author(s): GER Lamb, P Costanza, B Miller

Annual Conference: 1975, Vol. 5

Paper ID: 75-57.5

The Generation and Evaluation of Fabric Filter Performance Curves from Pilot Plant Data

Author(s): KE Noll, WT Davis, PJ LaRosa

Annual Conference: 1975, Vol. 5

Paper ID: 75-57.6

A Predictive Performance Model for Fabric Filter Systems

11. Multicompartment Systems
Author(s): MD Fraser, DR Eaton

Author(s): MD Fraser, DR Eaton Annual Conference: 1975, Vol. 5

Paper ID: 75-57.7

Electrofluidized Beds in the Filtration of Submicron Particulate

Author(s): K Zahedi, JR Melcher Annual Conference: 1975, Vol. 5

Paper ID: 75-57.8

Tracing Emissions from Coastal Power Plants

Author(s): RB Sperling, MA Peache, WH Vaughan

Annual Conference: 1975, Vol. 5

Paper ID: 75-58.2

Vertical Profiles and Size Distributions of Particulates over St. Louis, Missouri

Author(s): KL Schere, DW Thomson Annual Conference: 1975, Vol. 5

Paper ID: 75-58.3

Aerosol Measurement Over St. Louis: Some Preliminary Results

Author(s): Y Mamane, J Pena Annual Conference: 1975, Vol. 5

Paper ID: 75-58.4

Aerial Ozone Measurements Over New Jersey, New York and Connecticut

Author(s): GTR Wolff, WN Stasiuk, PE Coffey, RE Pasceri

Annual Conference: 1975, Vol. 5

Paper ID: 75-58.6

Planning and Engineering for Noise Control-A Case History of a Major Refinery Project

Author(s): JG Seebold, JW Daily Annual Conference: 1975, Vol. 5

Paper ID: 75-59.2

Criteria for Environmental Noise Impact

Author(s): FG Haag, WJ Webster, JW Farinacci, DA Driscoll,

E Kendrick

Annual Conference: 1975, Vol. 5

Paper ID: 75-59.3

Noise Attenuation with Respect to Varying Ground Covers

Author(s): MC Roth, CP Furber Annual Conference: 1975, Vol. 5

Paper ID: 75-59.4

Development of a Noise Muffler for Certain High Volume Samplers

Author(s): AM Sacco, AH Rinsky, JT MacDonald

Annual Conference: 1975, Vol. 5

Paper ID: 75-59.5

A Study of the Noise Impact of a Proposed Industrial Park on an Adjacent Suburban Community

Author(s): AF Jepsen, SB Suryawanshi, PF Chimento

Annual Conference: 1975, Vol. 5

Paper ID: 75-59.6

Maintenance of Ambient Particulate Standards in an Industrialized Region

Author(s): ES Rubin, HT Bloom Annual Conference: 1975, Vol. 1

Paper ID: 75-6.1

Case Studies in Air Quality Maintenance Plan Development

Author(s): `JJ Sableski, TM Donaldson, M Massoglia

Annual Conference: 1975, Vol. 1

Paper ID: 75-6.2

The Nationwide Program for Maintenance of Air Quality

Author(s): RG Rhoads

Annual Conference: 1975, Vol. 1

Paper ID: 75-6.3

Economic Considerations in Air Quality Maintenance

Author(s): BF Kincannon Annual Conference: 1975, Vol. 1

Paper ID: 75-6.4

Air Quality Maintenance and Land Use Implications

Author(s): TB Braken, EI Selig Annual Conference: 1975, Vol. 1

Paper ID: 75-6.5

Evaluation of Transportation Plan Impacts on Photochemical Smog

Author(s): AQ Eschenroeder, JR Martinez, RA Nordsieck

Annual Conference: 1975, Vol. 1

Paper ID: 75-6.6

Emission Analyzer Certification to EPA Continuous Monitoring Requirements

Author(s): WL Bonam, WF Fuller, JA Williamson

Annual Conference: 1975, Vol. 5

Paper ID: 75-60.1

Particulate Mass Monitoring Techniques Applied to Emission Sources

Author(s): JS Nader

Annual Conference: 1975, Vol. 5

Paper ID: 75-60.2

Comparative Operating Data from Manual and Automatic Source Emission Methods

Author(s): J Lukacs, MCJ Beamish Annual Conference: 1975, Vol. 5

Paper ID: 75-60.3

Automatically Correlating Flue Gas Measurements Using Carbon Dioxide

Author(s): LS Flashberg, ES Johnson, RJ Bambeck

Annual Conference: 1975, Vol. 5

Paper ID: 75-60.5

Test of the Environmental Research & Technology Stack Gas Analyzer at the Connemaugh Generating Station

Author(s): DH Fyock, hh Blau, EW Fasci, PL Kerabian, JR

Kruse, R Weiser

Annual Conference: 1975, Vol. 5

Paper ID: 75-60.6

The Aerometric Instrument System in the Community Health Air Monitoring Program (CHAMP)

Author(s): F Lauer, WL Crider Annual Conference: 1975, Vol. 5

Paper ID: 75-61.1

The Field Station Calibration System Used in the community Health Air Monitoring Program (CHAMP)

Author(s): WL Crider, RM Burton Annual Conference: 1975, Vol. 5

Paper ID: 75-61.2

The Quality Control System for the Community Health Air Monitoring Program

Author(s): EP Parry, RM Burton, WM Kozel, GH Ward

Annual Conference: 1975, Vol. 5

Paper ID: 75-61.3

The Development of a Pollutant Primary Standards Laboratory and Instrumentation fro Transfer of Standards to Field Monitoring Sites

Author(s): RM Burton, OL Dowler, R Ballard

Annual Conference: 1975, Vol. 5

Paper ID: 75-61.4

An Automated Data Acquisition and Retrieval System for Use in the Community Health Air Monitoring Program (CHAMP) Remote Station

Author(s): KD Kyle, MB Hertz, GH Ward

Annual Conference: 1975, Vol. 5

Paper ID: 75-61.5

An Automated Data Acquisition and Retrieval System for use in the Community Health Air Monitoring Program-Central Control Station

Author(s): MB Hertz, KD Kyle, GH Ward

Annual Conference: 1975, Vol. 5

Paper ID: 75-61.6

Field Operations Management of Air Quality Measurement to Ensure Data Validity

Author(s): DO Hinton, JM Sune, RA Meyer

Annual Conference: 1975, Vol. 5

Paper ID: 75-61.7

Nucleation as a Competitive Factor in Gas-to-Particle Conversion

Author(s): ML Corrin

Annual Conference: 1975, Vol. 5

Paper ID: 75-62.1

Calibration of Photo Electric Nucleus Counters

Author(s): AW Hogan

Annual Conference: 1975, Vol. 5

Paper ID: 75-62.2

Duquesne Light Company Phillips Power Station Lime Scrubbing Facility

Author(s): SL Pernick, RG Knight Annual Conference: 1975, Vol. 5

Paper ID: 75-62.4

Sulfate and Nitrate Particulates as Related to SO2 and NOx Gases and Emissions

Author(s): JS Sandberg, DA Levaggi, REDeMandel, E Siu

Annual Conference: 1975, Vol. 5

Paper ID: 75-62.5

Kinetic Studies of the Photochemistry of the Troposphere, IV. Potential Aerosol Precursors

Author(s): TE Graedel, LA Farrow, TA Weber

Annual Conference: 1975, Vol. 5

Paper ID: 75-62.6

Relationships Between Suspended Sulfates and Ozone at a Non-Urban Site

Author(s): WN Stasiuk, PE Coffey, RF McDermott

Annual Conference: 1975, Vol. 5

Paper ID: 75-62.7

Selection, Application and Practical Problems of Air Pollution Environmental Assessment with Mathematical Models

Author(s): AL Wilson, KF Kosky, FL Cross

Annual Conference: 1975, Vol. 5

Paper ID: 75-63.3

University Response to NEPA

Author(s): J Spengler, P Rogers, H Sievering

Annual Conference: 1975, Vol. 5

Paper ID: 75-63.4

Magnesium Oxide Scrubbing Experience on Oil Fired Electric Generating Unit at Boston Edison's Mystic Station

Author(s): WM Irving

Annual Conference: 1975, Vol. 5

Paper ID: 75-64.3

Operating Experience at the Dickerson Generating Station with the Chemico-Basic Mag-Ox Scrubber Potomac Electric Power Company

Author(s): DA Erdman

Annual Conference: 1975, Vol. 5

Paper ID: 75-64.6

The Current Status of Flue Gas Desulfurization Technology

Author(s): WH Ponder, RC Christman Annual Conference: 1975, Vol. 5

Paper ID: 75-64.7

Design, Fabrication and Evaluation of a Fluorescence Sulfur Dioxide Monitor

Author(s): CLWolfe, P Giever Annual Conference: 1975, Vol. 5

Paper ID: 75-65.1

A New Ambient Particulate Mass Monitor Using Beta Attenuation

Author(s): P Lilienfeld

Annual Conference: 1975, Vol. 5

Paper ID: 75-65.2

Development of a High-Volume Sampler for the Determination of Particle Size Distributions in Ambient Air

Author(s): D Bernstein, MT Kleinman, TJ Kneip, TL Chan, M

Lippmann

Annual Conference: 1975, Vol. 5

Paper ID: 75-65.3

Development and Testing of a Portable Wind Sensitive Directional Air Sampler

Author(s): J Deyo, J Toma, RB King Annual Conference: 1975, Vol. 5

Paper ID: 75-65.4

High Volume Air Sampler: An Orifice Meter as a Substitute for the Rotameter

Author(s): HS Chahal, DC Hunter Annual Conference: 1975, Vol. 5

Paper ID: 75-65.5

A New Flow Controller for High Volume Air Samplers

Author(s): JL Jurz, JG Olin Annual Conference: 1975, Vol. 5

Paper ID: 75-65.6

Oxidimetric Analysis of Odors

Author(s): JN Nwankwo, HW Salzeberg, A Turk

Annual Conference: 1975, Vol. 5

Paper ID: 75-65.7

Electrostatic Precipitator Corrosion on Incinerator Applications

Author(s): P Franconeri

Annual Conference: 1975, Vol. 5

Paper ID: 75-66.1

Electrostatic Precipitator Installation for a Low-Odor Recovery Boiler

Author(s): HL Engelbrecht, ND Graves Annual Conference: 1975, Vol. 5

Paper ID: 75-66.2

Fractional Efficiency of a Utility Boiler Baghouse

Author(s): RM Bradway, RW Cass, NF Surprenant

Annual Conference: 1975, Vol. 5

Paper ID: 75-66.3

Catalytic Conditioning of Fly Ash without Addition of SO3 from External Sources

Author(s): S Kanowski, RW Coughlin Annual Conference: 1975, Vol. 5

Paper ID: 75-66.4

A New Technology for Particulate Emission Control on Metallurgical Furnaces

Author(s): HP Beutner

Annual Conference: 1975, Vol. 5

Paper ID: 75-66.5

Control Technology for Secondary Aluminum Smelters

Author(s): SM Gerstein, ME Franza Annual Conference: 1975, Vol. 5

Paper ID: 75-66.6

Control of Asphalt Saturators by Filtrations

Author(s): AB Metzley

Annual Conference: 1975, Vol. 5

Paper ID: 75-66.7

Ozone Transport

Author(s): RA Rubino, L Bruckman, J Magyar

Annual Conference: 1975, Vol. 1

Paper ID: 75-7.1

Estimation of Minimum Achievable Oxidant Levels by Trajectory Analysis: Implications for Oxidant Control

Author(s): JH Price, GK Tannahill, JP Gise, RR Wallis

Annual Conference: 1975, Vol. 1

Paper ID: 75-7.2

Ambient Oxidant Exposure and Health Costs in the United States-1973

Author(s): DG Gillette

Annual Conference: 1975, Vol. 1

Paper ID: 75-7.8

The Interaction of the Energy Crisis and Environmental Protection

Author(s): FL Porter

Annual Conference: 1975, Vol. 1

Paper ID: 75-8.1

Evaluating Energy Policy Alternatives in Light of Environmental Considerations

Author(s): EJ Rolinski, AJ Buonicore, L Theodore

Annual Conference: 1975, Vol. 1

Paper ID: 75-8.2

International Energy in the Global Environment

Author(s): MJ Beutch

Annual Conference: 1975, Vol. 1

Paper ID: 75-8.3

Application of the Phosphate Process to a Large Utility Boiler

Author(s): A Saleem, JD Sheehan Annual Conference: 1975, Vol. 1

Paper ID: 75-8.7

Evaluation and Assessment of Fossil and Nuclear Fuel Systems on the Basis of Environmental Quality, Fuel Cycle Efficiencies and Economics

 $\hbox{Author(s): AT Amr, PW Purdom, HL Brown, RE Laessig, BB}$

Hamel

Annual Conference: 1975, Vol. 1

Paper ID: 75-8.8

Measurement and Reduction of NOx Emissions from Natural Gas-Fired Appliances

Author(s): FE Belles, RL Himmel, DW DeWerth

Annual Conference: 1975, Vol. 1

Paper ID: 75-9.1

Reduced Pollution Through Increases Seasonal Efficiency of Residential Furnaces

Author(s): JE Janssen, U Bonne, RH Torborg, ANJ Pearman

Annual Conference: 1975, Vol. 1

Paper ID: 75-9.2

Control of Nitric Oxide Emissions form Gas-Range Burners

Author(s): RE Mitchell, BR Taylor, GC Williams, AF Sarofim

Annual Conference: 1975, Vol. 1

Paper ID: 75-9.3

The Effect of Water/Distillate Oil Emulsions on Pollutants and Efficiency of Residential and Commercial Heating Systems

Author(s): RE Hall

Annual Conference: 1975, Vol. 1

Paper ID: 75-9.4

A Study of Reported Respiratory Illnesses in Households Cooking with Gas or Electricity

Author(s): MD Keller, RR Lanese, RI Mitchell, RW Cote

Annual Conference: 1975, Vol. 1

Paper ID: 75-9.5

An Investigation of Idle Emissions Inspection and Maintenance at Altitude

Author(s): DE Sorrels, DR Liljedahl, JL Terry

Annual Conference: 1974, Vol. 1

Paper ID: 74-1

Spray Pond Fog and Salt Deposition

Author(s): DP Hoult

Annual Conference: 1974, Vol. 1

Paper ID: 74-10

Baghouse Dust Collectors on a Low Sulfur Coal Fired Utility Boiler

Author(s): RP Janoso

Annual Conference: 1974, Vol. 2

Paper ID: 74-101

Development of Short-Term Air Quality Standards for Suspended Particulate Matter in New York State

Author(s): HH Hovey, HC Jones, WN Stasiuk

Annual Conference: 1974, Vol. 2

Paper ID: 74-102

Let's Pollute-Legally

Author(s): R Goldberg

Annual Conference: 1974, Vol. 2

Paper ID: 74-103

Continuous Mass Emission Monitoring Systems for Stationary Combustion Sources

Author(s): MC Beamish, R Mellor, RP Rankine

Annual Conference: 1974, Vol. 2

Paper ID: 74-108

Operating Experience with In-Situ Power Plant Stack Monitors

Author(s): RJ Bambeck, HF Huettemeyer

Annual Conference: 1974, Vol. 2

Paper ID: 74-109

Characteristics and Electrostatic Collection of Particulate Emissions from Combustion of Low Sulfur Western Coals

Author(s): AB Walker

Annual Conference: 1974, Vol. 1

Paper ID: 74-11

Application of Nephelometry to the Monitoring of Air Pollution Sources

Author(s): DS Ensor, LD Bevan, G Markowski

Annual Conference: 1974, Vol. 2

Paper ID: 74-110

The Accurate Calibration of "Continuous" Mercury Vapor Monitors

Author(s): GL Corte, RC Lao, G Dowd, JL Monkman

Annual Conference: 1974, Vol. 2

Paper ID: 74-112

Development of a High-Purity Filter for High Temperature Particulate Sampling and Analysis

Author(s): AL Benson, PL Levins, AA Massucco, JR

Valentine

Annual Conference: 1974, Vol. 2

Atmospheric Aerosol Measurements from Air or Space Platforms

Author(s): RK Severs

Annual Conference: 1974, Vol. 2

Paper ID: 74-115

Near Particle Interactions Between Droplets and Soluble Particles

Author(s): NA Esmen

Annual Conference: 1974, Vol. 2

Paper ID: 74-116

Measurement of the Fractional Efficiency of Pollution Control Devices

Author(s): JD McCain, KM Cushing, WB Smith

Annual Conference: 1974, Vol. 2

Paper ID: 74-117

Aerosol Research at the Los Alamos Scientific Laboratory

Author(s): HJ Ettinger, MI Tillery, JC Elder, M Gonazales

Annual Conference: 1974, Vol. 2

Paper ID: 74-118

Con Edison's Gas Turbine Test Program: A Comprehensive Evaluation of Stationary Gas Turbine Emission Levels

Author(s): FM Coppersmith, RF Jastrzebski, DV Giovanni, S

Hersh

Annual Conference: 1974, Vol. 1

Paper ID: 74-12

Mathematical Modeling of Reactive Point Sources

Author(s): AJ Fabrick

Annual Conference: 1974, Vol. 3

Paper ID: 74-120

Assessing Air Pollution Impact from One Among Multiple Emissions Sources

Author(s): RC Sklarew

Annual Conference: 1974, Vol. 3

Paper ID: 74-121

Simulation of the Environmental Impact of an Airport on the Surrounding Air Quality

Author(s): A Daniels, W Bach Annual Conference: 1974, Vol. 3

Paper ID: 74-122

Estimation of Annual 1-Hour and 8-Hour Maximum Air Pollutant Concentration Near Highways

Author(s): LJ Habegger, TD Wolsko Annual Conference: 1974, Vol. 3

Paper ID: 74-123

Evolution of Air Quality Models Through the Use of the RAPS Data Base

Author(s): RE Ruff, DG Fox Annual Conference: 1974, Vol. 3

Paper ID: 74-124

Collection and Analysis of Meteorological Data for Environmental Impact Assessment at Remote Sites

Author(s): LW Crow

Annual Conference: 1974, Vol. 3

Paper ID: 74-125

Deficiencies in Data and Analyses for Environmental Impact Statements

Author(s): ME Smith

Annual Conference: 1974, Vol. 3

Paper ID: 74-126

The Effect of Cold Start on Motor Vehicle Emissions and Resultant Air Quality

Author(s): RR Cirillo, TD Wolsko, JE Norco

Annual Conference: 1974, Vol. 3

Paper ID: 74-127

Catalytic Converter Exhaust Emissions

Author(s): JK Bukhart, RG Hinners, M Malanchuk

Annual Conference: 1974, Vol. 3

Paper ID: 74-129

A Straightforward Dynamic Calibration Procedure for Use with NOx Instruments

Author(s): JE Higuchi, A Hsu, RD MacPhee

Annual Conference: 1974, Vol. 1

Paper ID: 74-13

Idle Emission Testing-Part 111

Author(s): J Panzer

Annual Conference: 1974, Vol. 3

Paper ID: 74-130

Effect of Catalytic Converter on Rotary Combustion Engine Exhaust

Author(s): KC Tsao, OK Foo, YY Tom Annual Conference: 1974, Vol. 3

Paper ID: 74-131

Design Aspects of Environmental Protection By Prevention and Control of Emergency Releases

Author(s): DK Eads, JM Hildyard, WB Barton

Annual Conference: 1974, Vol. 3

Paper ID: 74-132

The Role of the Claus Sulphur Recovery Process in Minimizing Air Pollution

Author(s): EM Berle, RK Kerr, RP Rankine

Annual Conference: 1974, Vol. 3

Paper ID: 74-135

The Generation of Performance Curves for Electrostatic Precipitators Through the Use of A New Technique for Calculating Collection Efficiencies

Author(s): JP Reynolds, L Theodore, J Marion, L DeFrancesco

Annual Conference: 1974, Vol. 3

Paper ID: 74-137

High Efficiency Removal of Submicron Particles by Ultra-High Velocity Aerosol Filtration

Author(s): MW Frist, WC Hinds Annual Conference: 1974, Vol. 3

Paper ID: 74-139

Some Statistical Aspects of Air Monitoring Instrument Calibration

Author(s): CE Feigley

Annual Conference: 1974, Vol. 1

Measuring the Organic Carbon Content of Source Emissions for Air Pollution Control

Author(s): AE Salo, WL Oaks, RD MacPhee

Annual Conference: 1974, Vol. 3

Paper ID: 74-140

Federal Regulatory Structure for Maintenance of National Ambient Air Quality Standards

Author(s): NG Edmisten, M Massoglia, L Downie

Annual Conference: 1974, Vol. 3

Paper ID: 74-142

Minimum Planning Considerations for Complex Source Regulation

Author(s): WJ Walker

Annual Conference: 1974, Vol. 3

Paper ID: 74-143

A Regional Highway Network as a Complex Source of Regional Magnitude

Author(s): RW Thron

Annual Conference: 1974, Vol. 3

Paper ID: 74-144

The Feasibility of Predicting Point Source Emissions Using Industrial Land Use Variables: A Path Analysis

Author(s): TE Baldwin, AS Kennedy Annual Conference: 1974, Vol. 3

Paper ID: 74-145

Methods for Estimating Emissions and Air Quality in the Vicinity of Indirect Sources

Author(s): EL Meyer

Annual Conference: 1974, Vol. 3

Paper ID: 74-146

Emission Allocation and Emission Density Zoning:

Techniques for Establishing the Baseline for Land Use and Transportation Planning Decisions

Author(s): GH Hagevik

Annual Conference: 1974, Vol. 3

Paper ID: 74-148

A National Program for Quality Assurance in Environmental Monitoring

Author(s): G Ozolins, WR Ott, TW Stanley

Annual Conference: 1974, Vol. 1

Paper ID: 74-15

Design and Operating Parameters for a Large Ambient Aerosol Chamber

Author(s): DL Fox, J Sickles, M Kuhlman, PC Reist, W

Wilson, DL Fox

Annual Conference: 1974, Vol. 3

Paper ID: 74-152

Mechanisms of Aerosol Formation from SO2

Author(s): WP Wood, AW Castleman, IN Tang

Annual Conference: 1974, Vol. 3

Paper ID: 74-153

Gas-Particle Distribution Factors for Organic Pollutants in the Los Angeles Atmosphere

Author(s): D Grossjean, SK Friedlander Annual Conference: 1974, Vol. 3

Paper ID: 74-154

Analysis of Photochemical Aerosols in The Los Angeles Basin According to Particle Size

Author(s): RJ O'Brien, JR Holmes, RJ Reynolds, JW Remoy,

AH Bockian

Annual Conference: 1974, Vol. 3

Paper ID: 74-155

A Scale Model Study of the Dispersion of Pollution in Street Canyons

Author(s): WG Hoydysh, RA Griffiths, Y Ogawa

Annual Conference: 1974, Vol. 3

Paper ID: 74-157

Atmospheric Pollution Study and Prevision Over the New Town of Saint-Quentin-EN-Yvelines in France

Author(s): B Mousson, PJ Bessemoulin, M Hausard, JC

Boulav

Annual Conference: 1974, Vol. 3

Paper ID: 74-158

Applications of Physical Modeling to the Investigations of Air Pollution Problems in Urban Areas

Author(s): JE Cermak, DJ Lonbardi, RS Thompson

Annual Conference: 1974, Vol. 3

Paper ID: 74-160

Laboratory Simulation of Plume Dispersion in a Stably Stratified Flow over a Complex Terrain

Author(s): JT Lin, HT Liu, YH Pao Annual Conference: 1974, Vol. 3

Paper ID: 74-161

Redesign of Refinery Stack by Mind Tunnel Tests to Meet Changes in Crude Oil Quality

Author(s): HJ Leutheusser, J Motycka Annual Conference: 1974, Vol. 3

Paper ID: 74-163

University Consortia--A National Resource

Author(s): JJ Stukel

Annual Conference: 1974, Vol. 3

Paper ID: 74-164

Consortia Activities in Support of Higher Education

Author(s): GS Samuelsen Annual Conference: 1974, Vol. 3

Paper ID: 74-165

Consortia Activities in Support of Industry

Author(s): LD Kornreich Annual Conference: 1974, Vol. 3

Paper ID: 74-166

Consortia Activities in Support of Agencies

Author(s): TH Rider

Annual Conference: 1974, Vol. 3

Paper ID: 74-167

A Continuous Analyzer for Detecting Nitric Acid

Author(s): DF Miller, CW Spicer Annual Conference: 1974, Vol. 1

Paper ID: 74-17

Sulfur Dioxide Standards and Material Damage

Author(s): DG Gillette

Annual Conference: 1974, Vol. 3

A Projection of the Effectiveness and Costs of a National Tax on Sulfur Emissions

Author(s): T Bingham

Annual Conference: 1974, Vol. 3

Paper ID: 74-171

An Economic Comparison of Point- Source Controls and Emission Density Zoning for Air Quality Management

Author(s): AS Kennedy, EJ Croke, RL Reiseweber, TE

Baldwin

Annual Conference: 1974, Vol. 3

Paper ID: 74-172

The Economic Impact of Pollution Control Costs on the Nation's Seven Largest Steel Producers

Author(s): JS Cannon, SK Moody Annual Conference: 1974, Vol. 3

Paper ID: 74-173

A Method for Assessing the Economic Impact of Sulfur Dioxide Emission Regulations

Author(s): WP Freas, FA Collins, EL Meyer

Annual Conference: 1974, Vol. 3

Paper ID: 74-175

Economic and Energy Cost of Decreased Illumination Caused by Pollutant Aerosols

Author(s): H Sievering, SA Wulf Annual Conference: 1974, Vol. 4

Paper ID: 74-177

Charging Emission Control by Use of Stage Charging

Author(s): JG Munson, RE Lewis, GT Weber, WE Brayton

Annual Conference: 1974, Vol. 4

Paper ID: 74-179

Quality Assurance Procedures Applicable to Ambient Air Monitoring Methods

Author(s): F Smith, DE Wagoner Annual Conference: 1974, Vol. 1

Paper ID: 74-18

Experience with Closed Pipeline Charging of Coke Ovens

Author(s): GE Balch

Annual Conference: 1974, Vol. 4

Paper ID: 74-180

Hooded Coke Quenching System for Air Quality Control

Author(s): RS Patton

Annual Conference: 1974, Vol. 4

Paper ID: 74-182

Coke Oven Pushing Emission Control System

Author(s): EH Roe, JD Patton Annual Conference: 1974, Vol. 4

Paper ID: 74-183

Economic and Alternatives for Sulfur Removal from Coke Oven Gas

Author(s): MJ Massey, RW Dunlap Annual Conference: 1974, Vol. 4

Paper ID: 74-184

Removal of Hydrogen Sulfide from Coke Oven Gas by the Stretford Process

Author(s): JE Ludberg

Annual Conference: 1974, Vol. 4

Paper ID: 74-185

Claus Plant Performance and Problems

Author(s): OA Homberg, AH Singleton

Annual Conference: 1974, Vol. 4

Paper ID: 74-186

Particulate Emissions from Apartment House Boilers and Incinerators

Author(s): G Soffian, PR Westlin Annual Conference: 1974, Vol. 4

Paper ID: 74-187

Selection of Instrumental Methods for SO2 and NOx Source Testing

Author(s): TT Shen

Annual Conference: 1974, Vol. 4

Paper ID: 74-188

The Development and Application of a High Volume Sampling Train for Particulate Measurements of Stationary Sources

Author(s): WF Lapson, H Dehne, DB Harris

Annual Conference: 1974, Vol. 4

Paper ID: 74-189

Collaborative Testing of Methods to Measure Air Pollutants 111, The Chemiluminescent Method for Ozone

Author(s): HC McKee

Annual Conference: 1974, Vol. 1

Paper ID: 74-19

Measuring the Organic Carbon Content of Source Emissions for Air Pollution Control

Author(s): AE Salo, WL Oaks, RD MacPhee

Annual Conference: 1974, Vol. 4

Paper ID: 74-190

An Integrated Manual Impinger Method for the Simultaneous Determination of NOx and SOx in Source Effluents

Author(s): DA Levaggi, R Zerrudo, G Karels, W Oyung, M

Feldstein

Annual Conference: 1974, Vol. 4

Paper ID: 74-192

A Dynamic Gas Conditioning System for Use in Monitoring the Concentration of Combustion Aerosols

Author(s): EY Baldi, DL Brenchley Annual Conference: 1974, Vol. 4

Paper ID: 74-193

Review of Partiuclate Stock Test Reports

Author(s): L Weitzman, JC Reed Annual Conference: 1974, Vol. 4

Paper ID: 74-194

Trace Elements on Aerosols from Motor Vehicles

Author(s): JM Ondov, WH Zoller, GE Gordon

Annual Conference: 1974, Vol. 4

The Effect of Manganese on the Oxidation of SO2 in the Air

Author(s): WE Wright, GL Ter Haar, EB Rifkin

Annual Conference: 1974, Vol. 4

Paper ID: 74-198

Methylcyclopentadienyl Manganese Tricarbonyl as an Antiknock: Composition and Fate of Manganese Exhaust **Products**

Author(s): GL Ter Haar, ME Griffing, M Brandt, DG

Oberding, M Kapron

Annual Conference: 1974, Vol. 4

Paper ID: 74-199

Lead in Gasoline Impact of Removal on Current and Future Automotive Emissions

Author(s): JB Moran

Annual Conference: 1974, Vol. 1

Paper ID: 74-2

Preferential Concentration of Toxic Species on Small Airborne Particulates

Author(s): A Loh, AH Miguel, DFS Matusch, JR Wallace

Annual Conference: 1974, Vol. 4

Paper ID: 74-201

An Introduction to Environmental Impact Statements, Goals, Evolution and Issues

Author(s): B Schlesinger, WS Gray Annual Conference: 1974, Vol. 4

Paper ID: 74-203

Air Pollution and the Environmental Impact Assessment

Author(s): FL Cross, GE Benson, HC Wohlers

Annual Conference: 1974, Vol. 4

Paper ID: 74-205

Environmental Impact Statement for a Power Plant Near Colorado Springs

Author(s): TW Connolly, WJ Veigele, RC Burriss, EA Briggs

Annual Conference: 1974, Vol. 4

Paper ID: 74-207

An Analysis of the NEPA Review Process

Author(s): TA Heberlein, F Kreith Annual Conference: 1974, Vol. 4

Paper ID: 74-208

The Behavior of Negatively Buoyant Stack Gases

Author(s): TG Hoot, RN Meroney Annual Conference: 1974, Vol. 4

Paper ID: 74-210

Experimental Study of Unstable Stratified Boundary Layers Comparison with the Structure of the Atmospheric Surface Laver

Author(s): JP Schon, C Rey J Mathieu, P Mery

Annual Conference: 1974, Vol. 4

Paper ID: 74-212

The Simulation of the Atmospheric Surface Layer in the Notre Dame Atmospheric Wind Tunnel

Author(s): VW Nee, AA Szewczyk, KT Yang, FB Cheung,

VK Liu

Annual Conference: 1974, Vol. 4

Paper ID: 74-213

Wind-Tunnel Simulation of Neutral Atmospheric Surface Layers by the Counter Jet Technique

Author(s): JT Atichat, JM Nagib Annual Conference: 1974, Vol. 4

Paper ID: 74-214

Comparison of Biological Effects in Laboratory Animals of Expose to Automotive Emissions Emitted with and without Use of Catalytic Converter

Author(s): DK Hysell, W Moore, M Malanchuk, L Garner, RG

Hinners, JF Stara

Annual Conference: 1974, Vol. 4

Paper ID: 74-219

A Self Calibrating Monitoring Network with Centralized Data Acquisition and Control

Author(s): JA Kleppe, RL Steele, PE Testerman

Annual Conference: 1974, Vol. 1

Paper ID: 74-22

Indices for Dissemination of Ambient Air Quality Information to the Public

Author(s): JJ Cullen, TV Flaherty, SM Barnett

Annual Conference: 1974, Vol. 4

Paper ID: 74-221

Rational Behind a Proposed Asbestos Air Quality Standard

Author(s): L Bruckman, RA Rubino Annual Conference: 1974, Vol. 4

Paper ID: 74-222

Determining Acceptable Limits for Air Pollution Dosages and Vegetation Effects: Ozone

Author(s): HE Heggestad, CE Anderson, WA Feder

Annual Conference: 1974, Vol. 4

Paper ID: 74-224

Acceptable Limits for Air Pollution Dosages and Vegetation Effects: Fluoride

Author(s): DC McCune, PJ Temple, AM Witherspoon

Annual Conference: 1974, Vol. 4

Paper ID: 74-226

Acceptable Limits for Air Pollution Dosages and Vegetation Effects: Nitrogen Dioxide

Author(s): CR Thompson, DT Tingey, RA Reinert

Annual Conference: 1974, Vol. 4

Paper ID: 74-227

Dose Response of Vegetation to Minor Air Pollutants

Author(s): HM Benedict, DD Davis, AS Heagle

Annual Conference: 1974, Vol. 4

Paper ID: 74-229

Remote Sensing of Urban Ambient Air Pollution

Author(s): GF Lawrence, E Ward Annual Conference: 1974, Vol. 1

Paper ID: 74-23

Wet Scrubber Entrainment Separators

Author(s): IL Jashnani, S Calvert Annual Conference: 1974, Vol. 4

Fine Particle Control Using Sulfur Oxide Scrubbers

Author(s): RM Statnick, DC Drehmel Annual Conference: 1974, Vol. 4

Paper ID: 74-231

Sulfur Emission Control with Limestone Dolomite in Advanced Fossil Fuel Processing Systems

Author(s): DL Keains, EP O'Neill, DH Archer

Annual Conference: 1974, Vol. 4

Paper ID: 74-233

Designing from Experience with 900 Mw of Air Quality Control Systems

Author(s): EM Powell, JG Singer, PG Maurin, JR Martin

Annual Conference: 1974, Vol. 4

Paper ID: 74-234

Operating Experiences with a Commercial Dual Alkali SO2 Removal System

Author(s): RJ Phillips

Annual Conference: 1974, Vol. 4

Paper ID: 74-235

Particle Size Measurements of Arc Smokes by Forward Scattered Intensity Ratio Techniques

Author(s): PW Chan, O Apichatanon, CY She

Annual Conference: 1974, Vol. 4

Paper ID: 74-236

Highly Accurate Extinction Measurements for Sensitive Assessment of Air Quality

Author(s): JS Hall, LA Riley, M Jerzykiewicz

Annual Conference: 1974, Vol. 5

Paper ID: 74-238

Measurements of Atmospheric Aerosol Optical Thickness Using ERTS-1 Data

Author(s): M Griggs

Annual Conference: 1974, Vol. 5

Paper ID: 74-239

Detection and Measurement of Smoke Plumes in Aerial and Satellite (ERTS-1) Imagery

Author(s): GE Copeland, RN Blais, GM Hilton, EC Kindle

Annual Conference: 1974, Vol. 5

Paper ID: 74-240

The Use of Monitoring Network and ERTS-1 Data to Study Interregional Pollution Transport of Ozone in the Gary-Chicago-Milwaukee Corridor

Author(s): WA Lyons, HS Cole Annual Conference: 1974, Vol. 5

Paper ID: 74-241

A Critical Study of the United States Exhaust Emission Certification-Test -Error Analysis for the Test Procedure

Author(s): H Klingenberg, M Fock, KH Lies, L Pazsitka

Annual Conference: 1974, Vol. 5

Paper ID: 74-242

Experience with Minnesota's Transportation Plan

Author(s): JG Olin, RL Way Annual Conference: 1974, Vol. 5

Paper ID: 74-243

Interpreting Urban Carbon Monoxide Concentrations by Means of a Computerized Blood COHb Model

Author(s): W Ott, D Mage Annual Conference: 1974, Vol. 5

Paper ID: 74-244

Temporal and Spatial Relationships of Sulfates, Total Suspended Particulates and Sulfur Dioxide

Author(s): NH Frank

Annual Conference: 1974, Vol. 5

Paper ID: 74-245

Factors Affecting Reactions in Smog Chambers

Author(s): RJ Jaffe, FC Smith Annual Conference: 1974, Vol. 5

Paper ID: 74-246

Nitrogen Balance in Smog Chamber Studies

Author(s): CW Spicer, DF Miller Annual Conference: 1974, Vol. 5

Paper ID: 74-247

Land-Use Planning for Agriculture and Environmental Management: Planning for Clean Air

Author(s): N Pearson

Annual Conference: 1974, Vol. 5

Paper ID: 74-248

The Analysis of Air Quality and Ecosystem Impact

Author(s): EG Walter

Annual Conference: 1974, Vol. 5

Paper ID: 74-249

Solid Absorbent Method for Sampling and Analysis of Nitrogen Dioxide in Ambient Air

Author(s): JE Cuddeback, BE Saltzman, WR Burg

Annual Conference: 1974, Vol. 1

Paper ID: 74-25

Environmental Impact Analysis and Land Use Planning: A Conservationist's Viewpoint

Author(s): WE Marlatt

Annual Conference: 1974, Vol. 5

Paper ID: 74-250

Studies on the Effects of Saline Aerosols of Cooling Tower Origin on Plants

Author(s): DC McCune, DH Silberman, RH Mandl, LE

Weinstein, PC Freudenthal, PA Giardina

Annual Conference: 1974, Vol. 5

Paper ID: 74-251

Growth Abnormalities of Christmas Trees Attributed to Sulfur Dioxide and Particulate Acid Aerosol

Author(s): IJ Hindawi, HC Ratch Annual Conference: 1974, Vol. 5

Paper ID: 74-252

The Use of Activated Carbon for Control of Paint Bake Oven Emissions

Author(s): JE Urbanic, WD Lovett Annual Conference: 1974, Vol. 5

An Economical Design for a Solvent Fume Incinerator

Author(s): JD DiGiacomo, HT Lindland Annual Conference: 1974, Vol. 5

Paper ID: 74-257

Reduction of NOx with Ammonia over Zeolite Catalysts

Author(s): TR Thomas, DT Pence Annual Conference: 1974, Vol. 5

Paper ID: 74-258

Simultaneous Removal of NOx and SO2

Author(s): O Yamamoto, S Fukui, H Nishino, Y Kameoka, J

Miyazaki

Annual Conference: 1974, Vol. 5

Paper ID: 74-259

NO, NOx ..But How?-An Industrial Case History

Author(s): NA Kaye, MR Nerberger Annual Conference: 1974, Vol. 5

Paper ID: 74-260

Visibility, Aerosol and Colored Haze

Author(s): RJ Charlson, AP Waggoner Annual Conference: 1974, Vol. 5

Paper ID: 74-261

Physical Characteristics of Denver Are Aerosols

Author(s): K Wilkeke, KT Whityby Annual Conference: 1974, Vol. 5

Paper ID: 74-262

Identification and Sources of Denver Aerosol

Author(s): RG Draft, J Durham Annual Conference: 1974, Vol. 5

Paper ID: 74-263

X-Ray and Microscopic Characterization of Denver (1973) Aerosols

Author(s): CO Ruud, RE Williams Annual Conference: 1974, Vol. 5

Paper ID: 74-264

Analysis of Nonparticulate Organic Compounds in Ambient Atmospheres

Author(s): PW Jones, RD Giammar, PE Strup, TB Stanford

Annual Conference: 1974, Vol. 5

Paper ID: 74-265

Characterization of Denver's Urban Plume Using an Instrumented Aircraft

Author(s): DL Bluementhal, JA Andersen

Annual Conference: 1974, Vol. 5

Paper ID: 74-266

Anthropogenic Contribution to Meteorologically Important Aerosols

Author(s): CC Van Valin, RF Pueschel, FP Parungo, RA

Proulx

Annual Conference: 1974, Vol. 5

Paper ID: 74-268

Evaluation of Episode Control Schemes Through Air Quality Data Analysis

Author(s): Y Horie

Annual Conference: 1974, Vol. 5

Paper ID: 74-269

Standardizing Collaborative Test Results by Use of the General Linear Statistical Model

Author(s): R Spirtas

Annual Conference: 1974, Vol. 1

Paper ID: 74-27

Using Data from an Air Quality Monitoring System

Author(s): RC Sklarew, LS Webster Annual Conference: 1974, Vol. 5

Paper ID: 74-270

The Modification of Benzo(a) Pyrene Under Simulated Atmospheric Conditions

Author(s): DA Lane, M Katz Annual Conference: 1974, Vol. 5

Paper ID: 74-273

Hazardous Particulate Pollution from Typical Operations in the Primary Non-Ferrous Smelting Industry

Author(s): LJ Duncan, EL Keitz Annual Conference: 1974, Vol. 5

Paper ID: 74-274

Fabric Filters in Asbestos Mining and Asbestos Manufacturing

Author(s): J Goldfield

Annual Conference: 1974, Vol. 5

Paper ID: 74-275

Pollution Control with Energy Recovery in Coating Industry

Author(s): KH Hemsath, AC Thekdi, FJ Vereecke

Annual Conference: 1974, Vol. 5

Paper ID: 74-276

Air Pollution Control of High Speed Printing Presses

Author(s): MW First, JJ Lysnch Annual Conference: 1974, Vol. 5

Paper ID: 74-277

A Laboratory Technique for Estimating Off-Plant Odor Intensity from Surface Coating Processes

Author(s): JJ Franz, TS Govindan, BV Gregorovich

Annual Conference: 1974, Vol. 5

Paper ID: 74-278

An Engineering Approach to Emission Reduction in Automotive Spray Painting

Author(s): RE Roberts, JB Roberts Annual Conference: 1974, Vol. 5

Paper ID: 74-279

Computerized Air Quality Monitoring

Author(s): AN Manson, B Sokalski, HW DeKoning

Annual Conference: 1974, Vol. 1

Paper ID: 74-28

Determination of SO2 Emission from Oil-Combustion Sources by Fuel Analyses and SO2/CO2 Relations

Author(s): TT Shen, LG Ayer Annual Conference: 1974, Vol. 5

Paper ID: 74-280

Traffic Motion Controls as an Emission Control Technique

Author(s): RM Patterson, JR Mahoney

Annual Conference: 1974, Vol. 1

Hydrocarbon, Oxides of Nitrogen and Oxidant Pollutant Relationships in the Atmosphere Over California Cities

Author(s): J Paskind, JR Kinosian Annual Conference: 1974, Vol. 1

Paper ID: 74-31

Some Considerations in Quantitative Determination of NO, NO2 and NOx by Chemiluminescence Analyzer

Author(s): G Turner

Annual Conference: 1974, Vol. 1

Paper ID: 74-32

Total Anthropogenic Suspended Particulate as Derived from Chemical Analysis of Chloride and Silicate on High-Volume Samples

Author(s): DA Levaggi, JS Sandberg, N Feldstein, S Twiss

Annual Conference: 1974, Vol. 1

Paper ID: 74-34

Trends in Concentrations of Benzene Soluble Suspended Particulate Fraction and Benzo (A) Pyrene Determined by Data from the National Air Surveillance Network

Author(s): R Faoro

Annual Conference: 1974, Vol. 1

Paper ID: 74-39

An Evaluation of the Oxidation Catalyst on Light-Duty Vehicles

Author(s): MP Walsh, N Friberg Annual Conference: 1974, Vol. 1

Paper ID: 74-4

A Cumulative Survey Technique fro Atmospheric Nitrogen Dioxide

Author(s): SC Barton, HG McAdie Annual Conference: 1974, Vol. 1

Paper ID: 74-41

Airborne Ozone Measurement Study

Author(s): LA Ripperton, JB Tommerdahl, JJB Worth

Annual Conference: 1974, Vol. 1

Paper ID: 74-42

A Note on the Sampling and Electron Microscopy of Asbestos Aerosol in Ambient Air by Means of Nuclepore Filters

Author(s): KR Spurny, W Stober, ER Ackerman, JP Lodge, K

Spurny, Jr.

Annual Conference: 1974, Vol. 1

Paper ID: 74-47

Particle Sizing Instrumentation

Author(s): K Miller, HW DeKoning Annual Conference: 1974, Vol. 1

Paper ID: 74-48

Air Pollutant Monitor Siting by Analytical Techniques

Author(s): ES Hougland, NT Stephen Annual Conference: 1974, Vol. 1

Paper ID: 74-49

Biotic Monitoring of the Effect of Power Plant Stack Emissions on the Range Resource in Southeastern Montana

Author(s): FF Munshower Annual Conference: 1974, Vol. 1

Paper ID: 74-5

A Study of Indoor Air Quality

Author(s): WA Wade, WA Cote, JE Yocom

Annual Conference: 1974, Vol. 1

Paper ID: 7450

On Evaluation Compliance with Air Pollution Levels Not to be Exceed More than Once Per Year

Author(s): HE Neustadter, SM Sidik Annual Conference: 1974, Vol. 1

Paper ID: 74-52

Ozone and Light Hydrocarbon Measurements in Phoenix, Arizona

Author(s): HH Westberg, E Robinson, P Zimmerman

Annual Conference: 1974, Vol. 1

Paper ID: 74-54

Gas Flow Measurements in Air Pollution Monitoring

Author(s): EP Parry, RA Meyer, WL Crider

Annual Conference: 1974, Vol. 1

Paper ID: 74-55

Performance of Ambient Hydrocarbon Monitors in the Texas Continuous Monitoring Network

Author(s): RL Richardson Annual Conference: 1974, Vol. 1

Paper ID: 74-56

Fugitive Dust Emission Inventory Techniques

Author(s): RS Amick, K Axetell, DM Wells

Annual Conference: 1974, Vol. 1

Paper ID: 74-58

Particulate Air Quality Measurements in Norfolk, Virginia

Author(s): RW Storey, RJ Sentell, DC Woods, WC Hulten, JR

Smith, FS Harris

Annual Conference: 1974, Vol. 1

Paper ID: 74-59

Application of Programmable Calculator Systems in Air Quality Data Reporting

Author(s): JP Gise

Annual Conference: 1974, Vol. 1

Paper ID: 74-61

Some Pitfalls of Community Noise Measurement

Author(s): DN Keast

Annual Conference: 1974, Vol. 1

Paper ID: 74-63

A Rational Technical Basis for Community Noise Control

Author(s): KE Tempelemeyer Annual Conference: 1974, Vol. 2

Paper ID: 74--64

The Effectiveness of Highway Sound Abatement

Author(s): MC Roth, CP Furber, NA Esmen

Annual Conference: 1974, Vol. 2

Paper ID: 74-66

Observational Studies of Atmospheric Diffusion Processes Over Irregular Terrain

Author(s): DM Leahey, RD Rowe Annual Conference: 1974, Vol. 2

SO2 Concentrations During Air Stagnation Episodes in the Ohio River Valley

Author(s): KJ Skipka, TT Frankenberg Annual Conference: 1974, Vol. 2

Paper ID: 74-68

Ambient Pollutant Concentrations Around Power Plants as a Function of Meteorological Conditions

Author(s): DB Spiegler, E Newman, RE Bailey

Annual Conference: 1974, Vol. 1

Paper ID: 74-7

The Use of Artificial Activable Trace Elements to Monitor Pollutant Source Strengths and Dispersal Patterns

Author(s): WD Loveland, EW Hewson, YS Shum

Annual Conference: 1974, Vol. 2

Paper ID: 74-70

Planning the Maintenance of Air Quality

Author(s): MA Berry

Annual Conference: 1974, Vol. 2

Paper ID: 74-71

A Mathematical Model for Building Height Limitations Imposed by Multiple Plume Effects

Author(s): G Nagy

Annual Conference: 1974, Vol. 2

Paper ID: 74-72

Effects of Ambient Meteorology and Urban Morphological Features on the Vertical Temperature Structure Over Cities

Author(s): JF Clarke, JL McElroy Annual Conference: 1974, Vol. 2

Paper ID: 74-73

Bridging the Gap-Air Quality Model Development to Air Quality Model Use

Author(s): GW Ellis, WT Camps, RT McNider, BJ Schroer

Annual Conference: 1974, Vol. 2

Paper ID: 74-74

Salt Deposition from Cooling Towers

Author(s): TJ Overcamp, GW Israel Annual Conference: 1974, Vol. 2

Paper ID: 74-75

Using rRbust Statistical Methods in Analyzing Air Pollution Data with Applications to New York-New Jersey Photochemistry

Author(s): WS Cleveland, B Kleiner, JL Warner

Annual Conference: 1974, Vol. 2

Paper ID: 74-76

A Statistical Analysis of the Los Angeles Ambient Carbon Monoxide Data

Author(s): GC Tiao, GEP Box, WJ Hamming

Annual Conference: 1974, Vol. 2

Paper ID: 74-77

Interpretation of Air Quality Data with Respect to the National Ambient Air Quality Standards

Author(s): TC Curran, WF Hunt Annual Conference: 1974, Vol. 2

Paper ID: 74-78

Time Series Analysis of Riverside, California Air Quality

Author(s): DP Chock, SB Levitt, TR Terrell

Annual Conference: 1974, Vol. 2

Paper ID: 74-79

Trace Element Study in a Pulverized Coal Fired Power Plant

Author(s): JW Kaakinen, RM Jorden, RE West

Annual Conference: 1974, Vol. 1

Paper ID: 74-8

An Evaluation of Fugitive Dust Regulations

Author(s): WL Faith

Annual Conference: 1974, Vol. 2

Paper ID: 74-80

Control Techniques for Particulate Emissions from Unpaved Roads, Agricultural Actives and Construction

Author(s): DR Dunbar, K Axetell, GA Jutze

Annual Conference: 1974, Vol. 2

Paper ID: 74-82

Cost and Benefits of Road Dust Control in Seattle's Industrial Valley

Author(s): JW Roberts, HA Watters, CA Mangold, AT

Rossando

Annual Conference: 1974, Vol. 2

Paper ID: 74-83

Fugitives Dust Measurement by the Rotary Ambient Adhesive Impactor

Author(s): CW Gruber, G Harms Annual Conference: 1974, Vol. 2

Paper ID: 74-85

Low-Emission Combustor Design for Aircraft Gas Turbines

Author(s): R Roberts, P Goldberg Annual Conference: 1974, Vol. 2

Paper ID: 74-86

Emission Response from Extended Length, Variable Geometry Gas Turbine Combustor

Author(s): DL Troth, AJ Verdouw, JG Tomlinson, RG Dodd

Annual Conference: 1974, Vol. 2

Paper ID: 74-87

Reactive and Unreactive Hydrocarbon Emissions from Gas Turbine Engines

Author(s): RH Groth, DJ Robertson Annual Conference: 1974, Vol. 2

Paper ID: 74-89

The Thermal Performance of Natural Draft Cooling Towers and Influences on Plume Source Strength

Author(s): K Juris

Annual Conference: 1974, Vol. 1

Paper ID: 74-9

Techniques and Procedures for the Measurement of Aircraft Gas Turbine Engine Emissions

Author(s): JH Elwood, RH Dieck Annual Conference: 1974, Vol. 2

The Assessment of Emission Analysis Accuracy

Author(s): RH Dieck, JH Elwood Annual Conference: 1974, Vol. 2

Paper ID: 74-91

Real World Mixing Depths for Above Ground Aircraft

Emissions

Author(s): HM Segal

Annual Conference: 1974, Vol. 2

Paper ID: 74-92

Design and Pollution Control Features of the Saugus, Massachusetts Steam Generating Refuse-Energy Plant

Author(s): WK Mac Adam Annual Conference: 1974, Vol. 2

Paper ID: 74-95

Cost Models for Fabric Filter Systems

Author(s): MD Fraser, GJ Foley Annual Conference: 1974, Vol. 2

Paper ID: 74-96

Control of Airborne Lead Emissions--What's the Cost?

Author(s): WF Hamilton, PA Boys Annual Conference: 1974, Vol. 2

Paper ID: 74-97

A Predictive Performance Model for Fabric Filter Systems 1. Intermittently Cleaned Single Compartment Systems

Author(s): MD Fraser, GJ Foley Annual Conference: 1974, Vol. 2