

**COMMONWEALTH OF MASSACHUSETTS
ENERGY FACILITIES SITING BOARD**

PREFILED TESTIMONY OF AJ JABLONOWSKI

1 **Q. Please state your name and business address.**

2 A. My name is AJ Jablonowski. I am a principal with Epsilon Associates, Inc. My business
3 address is 3 Mill & Main Place, Suite 250, Maynard, MA 01754

4 **Q Please provide an overview of Epsilon Associates, Inc.**

5 A. Epsilon is an engineering and environmental consulting firm that provides strategic
6 regulatory planning and environmental permitting services to public sector, real estate,
7 energy, industrial, and institutional clients.

8 **Q. On behalf of what company are you offering your testimony in this docket?**

9 A. I am testifying on behalf of Medway Grid LLC, which is requesting approval to construct
10 a 250MW/500 MWh standalone Battery Energy Storage System and underground
11 1,325-foot electric transmission line in Medway, Massachusetts.

12 **Q. What is your educational background and professional expertise?**

13 A. I hold a Bachelor of Science degree in Chemical Engineering from Johns Hopkins
14 University. My professional expertise includes environmental licensing, conducting
15 compliance and due diligence audits, obtaining air permit applications, performing
16 pollution control studies, engineering against accidental chemical release and
17 conducting regulatory applicability studies. I have obtained air permits on behalf of
18 clients in 25 states and conducted environmental due diligence for over 10,000 MW of
19 electric generating capacity. Attached hereto is a copy of my resume.

1 **Q. What is the purpose of your testimony?**

2 A. I am offering testimony on the environmental impacts and any mitigation measures that
3 might be necessary with respect to air quality/emissions and as detailed in Section 4.0 of
4 the supporting documentation appended to the Petition.

5 **Q. Please identify any regulatory proceedings in which you have previously testified.**

6 A. I have provided expert witness testimony in cases before the Department of Public
7 Utilities and the Energy Facilities Siting Board. These cases include: *Vineyard Wind,*
8 *LLC*, Docket Nos. EFSB 20-01/D.P.U. 20-56/20-57; *Vineyard Wind, LLC*, Docket Nos.
9 EFSB 17-05/D.P.U. 18-18/18-19; *Northeast Energy Center LLC*, Docket Nos. EFSB 18-
10 04/D.P.U. 18-96; and *Montgomery Energy Billerica Power Partners, L.P.*, Docket No.
11 EFSB 07-2.

12 **Q. Does this conclude your testimony?**

13 A. Yes.



EDUCATION

B.S., Chemical Engineering, Johns Hopkins University, 1990

PROFESSIONAL SUMMARY

Mr. Jablonowski has experience with a variety of industries including power production, surface coating, chemical production, waste treatment, metalworking, electronics, food processing, and groundwater treatment. His duties include overall environmental licensing, compliance and due diligence audits, air permit applications, pollution control studies, accidental release prevention, and regulatory applicability studies. He reviews operations at a wide variety of industrial and power facilities, and recommends process changes for regulatory compliance. He uses strong technical engineering skills, and an ability to grasp regulatory nuances, as part of a positive, problem-solving approach. He is experienced with agency negotiations, public presentations, and legal testimony.

By focusing on client responsiveness, he has maintained years-long relationships with plant managers, environmental managers, and environmental counsel.

Highlights of Mr. Jablonowski's experience include:

- ◆ Air permit applications or air compliance reviews in 25 states
- ◆ Multimedia licensing for over 2,000 megawatts (MW) of operating merchant electric power
- ◆ Environmental due diligence for over 10,000 MW of electric generating capacity
- ◆ Greenhouse gas quantification and energy efficiency analyses for nearly 3.5 million square feet of commercial space
- ◆ Broad experience with environmental programs, including:
 - air (PSD, NSR, NSPS, NESHAPs, CAIR, CAMR, RGGI, NO_x Budget, Acid Rain, ODS/Title VI, RACT, BART, Title V);
 - noise (monitoring & modeling supervision, BANCT);
 - spill and release planning (SPCC, state spill plans, RMP, PSM, ICP);
 - environmental policy (EIS, EIR, conformity, MEPA, EFSB);
 - greenhouse gas quantification and energy efficiency analyses;
 - water intake (316b, state & watershed allocation permits);
 - coastal/wetlands impacts (ACOE, state stream encroachment);

- water discharge (NPDES, SWPPP, 316a); and
- material handling (EPCRA TRI, RCRA, CERCLA).

SELECTED PROJECT EXPERIENCE

- ◆ *Liberty Energy Trust, Charlton Massachusetts.* Multimedia licensing for the Northeast Energy Center, a natural gas liquefaction facility with 2 million gallons of LNG storage and 8 MW natural gas-fired mechanical drive. Energy Facility Siting Board petition, public hearings, EFSB testimony, Environmental Justice expanded public outreach, wetlands NOI, MassDEP air NMCPA, MHC PNF, MEPA ENF.
- ◆ *Vineyard Wind - Offshore to Barnstable, MA.* Air emissions & air permitting lead for this Project to bring up to 800 MW generated from an offshore Wind Development Area in federal waters to an interconnection point in Barnstable, Massachusetts, on Cape Cod. The project is in direct response to Section 83C of An Act Relative to Green Communities, the Commonwealth's call for 1,600 MW of offshore wind energy.
- ◆ *Vineyard Wind South, Vineyard Wind, Offshore to Barnstable, MA.* Air emissions & air permitting lead for a two-stage development of offshore wind energy generation projects in Lease Area OCS-A 0534 in the MA/RI Wind Energy Area on the Outer Continental Shelf. The first stage, Park City Wind, will generate approximately 804 MW and will interconnect in Barnstable, Massachusetts, on Cape Cod. The project was in direct response to the State of Connecticut's first solicitation for offshore wind energy. The second stage will encompass the remainder of the Lease Area.
- ◆ *Montgomery Billerica Power Partners, Billerica, MA.* Project Manager for full environmental licensing of 348 MW simple-cycle turbine facility. EFSB approval and the MEPA Draft Environmental Impact Report (DEIR) certificate of completeness received. Coordinated analyses of air pollution control, air quality impacts, noise impacts, wetland impacts, floodplain impacts, visual impacts, EMF impacts, and ammonia safety. Assisted the client in the assessment of water supply options, including groundwater, surface water, and municipal water & treated wastewater. Supported public relations efforts including town meetings.
- ◆ *Atlantic Shores Offshore Wind Project – Offshore to Atlantic and Monmouth Counties, NJ.* Air emissions & air permitting lead for an offshore wind energy generation facility in BOEM Lease Area OCS-A 0499 that will provide clean, renewable energy to New Jersey. Supported the development of air quality-related components of the Atlantic Shores COP.
- ◆ *North Attleborough Electric Department, North Attleborough, MA.* Prepared critical issues analysis and feasibility study for an approximately 70-acre parcel (Courtois Parcel) considered for development. Options reviewed included solar farm, substation, and small peaking generation facility. Review addressed site contamination, groundwater protection, zoning, wetlands, rare/endangered species, electric transmission/distribution connections, natural gas supply, permitting constraints, and economic feasibility.
- ◆ *Dominion, Somerset, MA.* Project Manager for multimedia licensing of natural draft cooling towers and spray dryer absorber/fabric filter at Brayton Point Station. Met tight schedule mandated by EPA for application submission to implement closed cycle cooling at the 1,600 MW coal-, oil-, and natural

- ◆ gas-fired power plant. Agencies involved included EPA, U.S. Army Corps of Engineers, FAA, Massachusetts Office of Dam Safety, MassDEP, MEPA, Massachusetts Aeronautics Commission, Massachusetts Historical Commission, and Town of Somerset Conservation Commission. Filings prepared by Epsilon included: air quality dispersion modeling protocol; consolidated MassDEP air plan approval and EPA PSD Air Permit Application; MEPA Environmental Notification Form (with supplemental materials leading to no EIR); Chapter 91 Waterways License Application to MassDEP; Wetlands Protection Act Notice of Intent; Chapter 401 Water Quality Certification; Chapter 10/404 Application for Department of the Army Permit; Groundwater Remedial General Permit Notice of Intent; Dam Safety Jurisdictional Determination Application; Dredge material sampling plan; Wastewater Treatment System modification application; Stormwater Pollution Prevention Plan; FAA and MAC airspace review applications; and Historic Resources Visual Analysis Study. Simultaneously permitted dry scrubber/fabric filter with carbon injection for Unit 3. Follow-up tasks have included MEPA NPC, Chapter 91 licensing, and Wetland NOI for barge delivery of equipment.
- ◆ *Dominion, Somerset, MA.* Project Manager for air quality dispersion modeling to document compliance with NAAQS. Modeling included over 25 cases, with interactive source inputs Epsilon developed from MassDEP file data. Epsilon prepared the Comprehensive Plan Approval application to request limits based on modeling results.
- ◆ *Aries Clean Energy, Taunton, MA.* MEPA lead for biosolids gasification project. Public presentation at the MEPA scoping session, coordination of environmental justice enhanced public outreach and enhanced analysis.
- ◆ *Dominion, Virginia City, VA.* Led air permitting issues assessment for site selection and critical issues analysis for new biomass and coal-fired power plant. Led client interface for application submission, response to VDEQ comments, BACT negotiation.
- ◆ *EMI, Uxbridge MA.* Project Manager for initial feasibility and public outreach supporting new 1,000 MW combined cycle combustion turbine plant. Reviewed key air, noise, and water supply issues, and coordinated and supervised multimedia technical presentations at town public meeting and open house.
- ◆ *Veolia Kendall Station, Cambridge MA.* Supported Cambridge zoning board approval and Energy Facilities Siting Board (EFSB) project change application for installation of wet cooling towers. Supervised analyses of plume visibility, ground-level fogging and icing, and ambient air impacts.
- ◆ *Massachusetts Institute of Technology, Cambridge, MA.* Multimedia licensing for 44 MW Combined Heat and Power (CHP) expansion. Assisted MIT through turbine selection options, emissions guarantee negotiation, PSD and MCPA air applications, MEPA streamlined Environmental Impact Report, and coordinated environmental justice enhanced public outreach. Public presentations at the MEPA scoping session and PSD permit public hearing.
- ◆ *Veolia Grays Ferry, Philadelphia, PA.* Quick-turnaround PSD netting strategy and analysis for installation of two new 300 MMBtu/hr gas- and oil-fired boilers serving a district energy system. Met with Philadelphia AMS, and obtained approval of the netting analysis within one week. Assisted Veolia in providing input to Philadelphia AMS and Pennsylvania DEP proposed new NO_x Reasonably Available Control Technology (RACT) rule. Prepared modification application to change

- ◆ the PSD analysis to retire a different boiler. Evaluated Delaware River Basin Commission (DRBC) thermal discharge requirements, and supervised modeling, and recommendations for compliance, negotiated approval conditions. Updated and certified SPCC & ICP. Obtained PaDEP NPDES & WQM, Philadelphia Water District sewer discharge permit, and DRBC withdrawal & discharge approvals for reverse osmosis water treatment system resulting in significant reductions in chemical use.
- ◆ *Exelon West Medway Peaker Project, Medway MA.* Air quality lead for licensing and permitting of a 200 MW Simple Cycle Peaking project located at existing power station in West Medway, MA. Project based on two dual fueled GE LMS 100 combustion turbines. Led the Air Plan/PSD air permit applications preparation and agency negotiation, and supported the MEPA and EFSB licensing processes. Presented at PSD permit public hearing, and responded to comments. Project is operating.
- ◆ *Newark Energy Center, Newark NJ.* Critical air re-permitting to correct issues with initial approvals for 705 MW combined cycle power plant. Supported NJDEP negotiation, air permit significant modification with associated air dispersion modeling, and administrative consent order. Resolved emission calculation and compliance documentation issues allowing facility to operate at full capacity.
- ◆ *Dominion, Fairless Hills, PA.* Prepared PSD/NSR permit applications for 1,190 MW combined cycle gas turbine facility. Prepared emission calculations, BACT/LAER control technology assessment, and application text and forms. Addressed facility redesign to avoid interactive source modeling and streamline permit review. Coordinated refined modeling, Class I CALPUFF modeling, and managed client and regulatory interface for all phases of the project. Negotiated permit conditions, and assisted client with turbine performance contract discussions. Prepared Delaware River Basin Commission Section 3.8 permit application, obtained approval for water withdrawal. Prepared Pennsylvania DEP Sewage planning module, and coordinated submission with host facility (U.S. Steel). Prepared NPDES permit application, successfully appealed permit to address suspended solids limit. Assisted with startup notifications, CEM and stack test protocols, and air emissions guarantee negotiation. Assisted with modifications for as-built ancillary equipment, including air permit, tank SSIP, and SPCC plan.
- ◆ *Rhode Island State Energy Center, Johnston, RI.* Air permit application for modifications to existing power plant, including air quality dispersion modeling, emission calculations, documentation of BACT, and strategies to avoid federal PSD permitting. Follow-up modification application for new owner to simplify cooling tower compliance requirements.
- ◆ *Calpine, Ontelaunee, PA.* Prepared PSD/NSR permit applications for 550 MW combined cycle gas turbine facility. Prepared emission calculations, BACT/LAER control technology assessment, and application text and forms. Addressed a facility redesign streamline permit review. Coordinated refined modeling, and managed client and regulatory interface for air quality phases of the project. Prepared and submitted air permit applications on aggressive schedule. Negotiated permit conditions, and assisted with implementation of permit conditions. Supported client through legal challenges related to air permit. Reviewed CEMS specification, and EPA RMP and OSHA PSM implications of ammonia storage. Permitted ancillary sources, including interactive source

- ◆ modeling. Implemented EPA RMP and OSHA PSM programs. Prepared Title V application and assisted with NO_x budget compliance. Obtained approval for cooling tower expansion; prepared application to allow low-load operation.
- ◆ *North Attleborough Electric Department, North Attleborough, MA.* Prepared critical issues analysis and feasibility study for an approximately 26-acre parcel (Adamsdale Parcel) considered for development. Options reviewed included a substation, and small peaking generation facility. Review addressed groundwater protection, residential noise impacts, zoning, wetlands, rare/endangered species, electric transmission/distribution connections, natural gas supply, permitting constraints, and economic feasibility.
- ◆ *Saint-Gobain Abrasives, Worcester, MA.* Principal-in-charge for MassDEP air NMCPA for 6 MW CHP at abrasives manufacturing facility. Documented net energy and emissions savings, and supervised drafting of the environmental justice fact sheet.
- ◆ *PG&E Generating, Monmouth County, NJ.* Project Coordinator for natural gas turbine siting/licensing. Coordinated assessment of issues involving: air quality, wetlands, groundwater allocation, noise, zoning, wildlife management, and visual impact. Assisted in PSD/NSR air permit preparation, with BACT/LAER assessments, refined modeling for local and Class I impacts, and New Jersey Title V application forms. Key client contact for all phases of the project, including CALPUFF detailed dispersion modeling, endangered species surveys, negotiations regarding aquifer use, and local EIS preparation.
- ◆ *Confidential Clients, Eastern United States.* Critical issues assessments and permitting plans for combined cycle turbine facilities at green- and brown-field sites in Virginia, West Virginia, Pennsylvania, and New Jersey.
- ◆ *Confidential Client, Virginia.* Quick-turnaround due diligence review for potential acquisition of a combined cycle turbine facility in the development stage. Reviewed applicable regulations, site constraints, and the status of the permitting process, and provided opinions on project feasibility and issues for follow-up.
- ◆ *Veolia, Nationwide.* Provided technical analyses to assess environmental impacts associated with a proposed new biomass CHP plant serving Kansas City, MO, a repowered CHP plant serving Trenton, NJ, and efficiency upgrades at a CHP plant serving Saint Louis, MO, and a proposed new biomass CHP plant in Montpelier VT.
- ◆ *Morgantown Energy Associates, Morgantown, WV.* Review of air permit compliance options and historic CEMS and coal quality data.
- ◆ *Harvard University, Cambridge, MA.* Project Manager for licensing of new CHP plant. Epsilon supported a detailed engineering study of 13 options for CHP installation at the existing steam plant or one of two remote locations. Comprehensive environmental permitting and regulatory implications were reviewed, focusing on air quality and noise. Epsilon supported Harvard through the selection process and into the permitting of the selected (7.2 MW) option. Obtained comprehensive plan approval from MassDEP, with first use Massachusetts regulations designed to promote CHP turbine projects. Supervised noise sampling, modeling, and compliance testing.

- ◆ *Palmer Renewable Energy, Palmer, MA.* Prepared solid waste beneficial use determination (BUD) application, assisted responding to comments on air plan application for 38 MW recycled wood-fired power plant. Documented compliance with 112r General Duty Clause for ammonia handling.
- ◆ *Indiantown Cogeneration, Indiantown, FL.* Obtained Title V permit for 396 MW coal fired-power plant, and obtained 5-year renewal with negotiated CAM requirements. Obtained PSD permit modifications relaxing opacity standards. Emission statements, EPCRA Form R reporting, 112r accidental release planning (initial, 2 renewals, and support through Florida Department of Emergency Management inspection with no findings). Prepared the OSHA Process Safety Management program for chlorine gas. Prepared Integrated Contingency Plan for facility, and performed first scheduled ICP revision. Obtained comprehensive modifications to the multimedia Site Certificate Conditions of Certification application, including licensing of CO₂ recovery plant. Assisted with PSD review for plant output increase, CEM system modification and reporting, environmental audit preparation, and other environmental tasks. Assisted with regulatory interface and application preparation for installation of additional groundwater well capacity. Obtained fast-track (24-hour) Florida Department of Environmental Protection (DEP) approval for temporary boiler after system malfunction, and negotiated procedures with Florida DEP to address future temporary boiler use. Obtained air permit for auxiliary boiler replacement. Prepared acid rain opt-in application. Prepared EPA MACT Information Collection Request submission.
- ◆ *Carneys Point Generating and Logan Generating, NJ.* Multimedia compliance support for two coal-fired power plants on the Delaware River in New Jersey. Prepared a Title V permit applications. Conducted a comprehensive site audits, records review, and emissions estimates. Provided regulatory interface. Identified and addressed compliance issues, including NO_x RACT negotiations for the auxiliary boiler. Completed annual emission statements from 1994 through 1998 as well as 2006 through 2009. Provided follow-up permitting and compliance assistance including New Jersey Subchapter 8 air permit modifications, revisions to the PSD air permit, 112r RMP/TCPA accidental release assistance (initial, renewal, transition to Program Level 3, and inherently safer technology review), TRI and NJ RPPR reporting, DPCC/DCR renewal, negotiation of final the Title V permit, and guidance regarding new air quality regulations. Title V permit renewal including CAM plan. Supervised homeland security top-screen preparation and submission. Prepared acid rain opt-in application. Prepared EPA MACT Information Collection Request submission. Reviewed options for pug mill to allow ash landfill disposal. Audited CEMS and air permit/regulatory compliance. DGW and DSW permit renewals, with SPPP and GWPP.
- ◆ *PG&E National Energy Group, Jacksonville, FL.* Obtained Title V permit for coal-fired CFB power plant. Assisted with modifications to the PSD permit, and with PSD/NSR applicability review for combustion of alternative fuels (including synfuel). Revised ICP.
- ◆ *NAES, Richmond, VA.* Prepared Title V renewal for Spruance Genco coal-fired power plant. Addressed updated equipment configurations.
- ◆ *Duke Energy Generation Services, Rochester NY.* Prepared BART assessment for coal-fired boilers at Eastman Business Park. Prepared detailed review of emissions, coordination of long-range transport modeling following NYSDEC guidance, control cost calculations for SO₂, NO_x, and PM control, and coordination of BART/RACT/MACT strategy and agency interaction with DEGS and Kodak. RACT

- ◆ assessment to address new NYSDEC regulations, and support negotiating consolidated RACT and BART requirements.
- ◆ *Confidential Client, Eastern United States.* Team leader for environmental due diligence associated with potential acquisition of electric generating assets. Reviewed operation of four pulverized-coal power plants in New Jersey, Virginia, and Florida on aggressive schedule. Assisted client with incorporation of environmental liabilities and opportunities into proforma calculations. Also assessed fleet-wide implications of new mercury and four-pollutant legislation.
- ◆ *Confidential Client, VA.* Managed multimedia environmental due diligence associated with potential acquisition of coal-fired power plant. Incorporated environmental liabilities and opportunities into proforma calculations. Addressed potential upside of pollution trading programs (NO_x, SO₂).
- ◆ *Confidential Clients, Eastern U.S.* Provided critical issues assessments and permitting plans for potential new coal-fired power plants in West Virginia, Ohio, and Pennsylvania. Assessed air quality implications and assisted with overall environmental analysis.
- ◆ *CPW Water / Sewer Division, Concord, MA.* Prepared critical issues analysis and feasibility study for renewable energy generation associated with a new water treatment system. Included preliminary electric generation and cost estimates for solar photovoltaic systems and wind turbines.
- ◆ *NextEra Energy, CA.* Prepared blade throw calculations for wind turbine siting projects, following California guidance and accounting for local terrain and turbine characteristics.
- ◆ *Excel Recycling, Freetown, MA.* Noise compliance and agency negotiation support for metal shredder facility. Performed and supervised diagnostic and compliance noise testing, and led preparation of test protocol, test report, mitigation plan, and best management practices plan. Provided compliance recommendations. Lead role in MassDEP technical presentations and negotiations. Prepared affidavit for Bristol County Superior Court related to Town of Freetown actions.
- ◆ *Covalence Adhesives (formerly Tyco), Middlesex, NJ.* Provided comprehensive environmental assistance for pressure sensitive tape manufacturer. Performed air quality and multimedia tasks over 13-year relationship, assisting through several staff changes at the facility. Tasks and work products have included: focused and comprehensive air quality issues assessments; assistance with budgeting; detailed emission and process summary for EPA MACT information request; air permit amendment; documentation of permanent total enclosures; NJDEP annual emission statements; TRI reports; SWPP plan preparation; CEMS quarterly reports; NSPS semi-annual reporting; NRC annual inventory; correspondence with local sewer authority; review of bids by stack testing firms, stack test protocols, and stack test reports; and coordination of diagnostic stack testing using hand-held FID monitors. Prepared Title V operating permit application, negotiated permit conditions, and prepared compliance documentation. Provided guidance on repermitting of coating line, including assessments of required capture, assessment of existing thermal oxidizers, and long-term control strategy. Prepared air permit application for oxidizer replacement; supervised and provided PE certification for stream encroachment permit application. Negotiated compliance schedule, and coordinated oxidizer permitting, contractual, and engineering efforts. Addressed MACT compliance

- ◆ for coaters, RACT compliance for parts cleaning. Supported facility through due diligence. Fast-track permitting of replacement boiler.
- ◆ *Confidential Client, Due Diligence, United States, Brazil, and Mexico.* Managed due diligence through a legal firm for a potential buyer of 10 adhesive manufacturing plants. Addressed VOC emissions measurement techniques, control retrofit options for MACT and NSR, and ongoing compliance issues. Completed the work within a condensed schedule timeframe, and integrated international evaluations into overall reports including the findings of the due diligence.
- ◆ *AHA Engineers, Lexington, MA.* Air toxics study and air permit applicability assessment for planned semiconductor manufacturing facility for a confidential client. Directed air dispersion modeling to address conformity with Massachusetts, federal, and California air toxics guidelines. Worked with design team to develop emission rates for trace toxics. Evaluated permit need for support equipment, and wastewater disposal options.
- ◆ *Madico, St. Petersburg, FL.* Preparation of daily, monthly, and annual air compliance records and interaction with Pinellas County and Florida regulators to document compliance. Preparation of modification application to simplify stack testing and monitoring compliance. Supported stack testing coordination to reduce the minimum thermal oxidizer operating temperature, resulting in natural gas savings.
- ◆ *Motiva, Tampa, FL.* Prepared a CAM plan for petroleum terminal, including evaluation of activated carbon system and flare.
- ◆ *Sims Metals Management, Johnstown, RI.* Environmental issues analysis for proposed scrap metal recycling facility. Addressed RIDEM air permitting thresholds, supervised preliminary noise modeling, and summarized the potential regulatory impacts of design options.
- ◆ *MaxFlo Oil Company, Richmond, VA.* Conducted a regulatory evaluation for specialty fuel oil provider. Review of regulatory hurdles to fuel switching (federal and 12 states). Assistance identifying potential markets.
- ◆ *American Petroleum Institute.* Assisted with the identification of input data for a review of the AERMOD PVMRM and OLM methods for NO₂ dispersion modeling. The project included obtaining operating data for remotely-located diesel engines and developing estimates of hourly emissions and exhaust parameters for use in the model.
- ◆ *Confidential Client, NJ.* Assisted with compliance reviews for the vapor degreasing and chromium electroplating operations at deep-drawn metal products production facility. Evaluated compliance with NESHAP requirements, recommended compliance strategies, and set up recordkeeping systems. Provided review of NJDEP permits; regulatory applicability analysis for lacquer coating line, air toxics modeling, cost estimates for pollution control strategies and technical review of activated carbon system operation.
- ◆ *Tyco International, NJ.* Supported internal and external legal counsel regarding NESHAPs, Title V, and state air quality issues.

- ◆ *Bethlehem Lukens Plate, Coatesville, PA.* Provided accidental release engineering and modeling assistance for the redesign of the acid handling systems at steel plate manufacturer. Identified release scenarios, calculated potential release rates (accounting for the heat of acid-water mixing), and identified steps to contain potential spills while avoiding mixing reactions.
- ◆ *M/A COM, Torrance, CA.* Senior QC review for annual emission report, South Coast Air Quality Management air permit applications, Emission Fee Billing (EFB) report amendments. Tasks included: Prop. 65 Chemical Emission Inventory and Cancer & Hazard Index Evaluation; Air Toxics “Hot Spots” Information and Assessment.
- ◆ *U.S. Air Force, CA and FL.* Principal investigator for air quality sections of EIS for Evolved Expendable Launch Vehicle (EELV). Regulatory review, emissions estimates, and comparisons for new unmanned space launch rocket system at Vandenberg AFB and Cape Canaveral AS. Assisted with federal conformity analysis for Air Force Center of Environmental Excellence.

PROFESSIONAL REGISTRATIONS

Professional Engineer, Massachusetts, #39123, 1996

Professional Engineer, New Jersey, #40593, 1997

PROFESSIONAL ORGANIZATIONS AND COMMITTEES

Air and Waste Management Association

Northeast Energy and Commerce Association

PAPERS AND PRESENTATIONS

“The Interface Between Project Design, Regulatory Compliance, and Public Outreach at MIT,”
CampusEnergy2018, accepted for presentation March 2018.

“Licensing Plan for Massachusetts Merchant Power Plant,” Northeast Energy and Commerce Association
Environmental conference, Marlboro Massachusetts, June 2017.

“Air Permitting Case Study: Harvard’s CHP Expansion,” Annual Conference of International District
Energy Association, Boston, June 2015.

“Modeling Requirements for Air Permits,” with Elizabeth Hendrick, C.C.M., Combined Annual
Conference of International District Energy Association and Canadian District Energy Association,
Toronto, June 2011.

“Permit Tweaking: Modifying Existing Permits for Flexibility and Profit,” Electric Utilities Environmental
Conference, Tucson Arizona, January 2006.

"Estimating Future Costs to Comply with Air Quality Regulations at Coal-Fired Power Plants," with
William F. Frazier, Ph.D., P.E., COAL-GEN Conference & Exhibition, Columbus Ohio, August 2003.

"Estimating Costs to Comply with Upcoming Mercury and Four-Pollutant Legislation," Northeast Energy
and Commerce Association Environmental Subcommittee Meeting, Concord Massachusetts,
November 2001.

"Cost Calculations and BACT/RACT Negotiations: Documenting Economic Feasibility," 92nd Annual Meeting and Exhibition of the Air & Waste Management Association, St. Louis, Missouri, June 1999.

"Emission Control: Present and Future," Emissions Marketing Association 1998 Fall Meeting, Orlando Florida, November 1998.

"Practical Lessons Learned from the Title V Permit Development and Differences in State Programs," with Stephen H. Slocumb, 89th Annual Meeting and Exhibition of the Air & Waste Management Association, Nashville, Tennessee, June 1996.

PREVIOUS EMPLOYERS


Earth Tech, Manager, Air Engineering, 1994 - 2007

Recon Systems, Inc., Chemical Engineer, 1990 - 1994

AFFIDAVIT OF AJ JABLONOWSKI

I, AJ Jablonowski, attest that:

1. I am testifying on behalf of Medway Grid LLC before the Massachusetts Energy Facilities Siting Board in docket EFSB 22-02.
2. This pre-filed testimony and the sections included in the Petition that I am sponsoring were prepared by me or under my supervision and control.
3. I hereby swear or affirm that the information contained in my pre-filed testimony and information provided in Section 4.0 as pertains to air quality/emissions are true and accurate to the best of my knowledge.


AJ Jablonowski