



# In Progress

### 2021 Annual Emission Statement

M Home

**Bookmarks** 

Document Find

**Facility Details** 

■ Sub Facilities

Fuel Material Locations

Combustion Units

Incinerators

Processes

Control Devices

Sub Facility: FML FM01

Sub Facility/SCC Status

Misc. Emissions

**Pollutant Summary** 

Fuel Usage Summary



Document Attachments

**■** Notes



Return to Facility List

<b>Facility</b>	Details	for PA	STATE	SYS	OF	HIGHER	<b>ED/SLIPPERY ROC</b>	K
LINIV P	Δ							

New Note

Tax ID/Plant Code: 23-2250505-10

PF Id: 254377

Region: MEADVILLE

County: Butler

724-738-2649

NAICS: 611310 - Colleges, Universities, and Professional Schools

Municipality: Slippery Rock Borough

Title V Fees: No

Contact	Name	Address	Telephone	E-mail Address
FIRM	H Carlson	Maintenance Center,	724-738-2545	
		Slippery Rock, PA-16057-1313		

LOCAD Maintenance Center, 1 Morrow 724-738-2545

Slippery Rock, PA-16057-1313

Maintenance Center, 1 Morrow

Slippery Rock, PA-16057-1313

Maintenance Center, 1 Morrow Way

Slippery Rock, PA-16057-1313 Maintenance Center, 1 Morrow

Slippery Rock, PA-16057-1313

SHANNON.HAWKE@SRU.EDU

724-738-2649 SHANNON.HAWKE@SRU.EDU

724-738-4342 scott.albert@sru.edu

SITE LOCATION INFORMATION

S Hawke

S Hawke

S Albert

INSP

PRMT

REOFF

Map: 0-40.32

Elevation(Ft): 1350

UTM Zone: 17

Way

Latitude: 41 deg, 03 min,35.34 sec N

Longitude: -80 deg, 02 min, 59.86 sec W

UTM North: 4545.62

UTM East: 579.83

PA Dept. of Environmental Protection

DEP Home | AQ Emissions Inventory Home | Contacts | Help | Logout





# Report In Progress

## 2021 Annual Emission Statement



A Home

### **Bookmarks**

Document Find Facility Details

■ Sub Facilities

Fuel Material Locations

Combustion Units

Incinerators

Processes

## Control Devices

Sub Facility: FML FM02 Sub Facility/SCC Status Misc. Emissions Pollutant Summary Fuel Usage Summary

Ø	<b>Document Attachments</b>
+	Notes

Start Submission

Return to Facility List

Fuel Material					New Note
Date I	nstalled:	Fuel Stored:	Natural Gas	Capacity:	0 Unknown
Sub Facilities	fed in 2021				
CU 031	<b>BOILER 1</b>				
CU 032	<b>BOILER 2</b>				
CU 033A	<b>BOILER 3</b>				
CU 034A	RETROFIT	TED BOILER 4			
CU 036	<b>BOILER 5</b>				
PROC 104	EMERGEN	CY ENGINES BUILT A	FTER 1/1/2009		
Fuel / Ma Percen	terial: Natural Ga	Percent Sulfur:		(lb/gal/cu ft): 10	
Fuel / Ma Percen Fuel Test	terial: Natural Ga t Ash: 0.00	Percent Sulfur:	0.0000 BTU % Sulfur 0.0000	BTU (lb/gal/cu	ft) Action
Percen Fuel Test Fuel Test 1	terial: Natural Ga Ash: 0.00 Date Collected 01/0	Percent Sulfur:	% Sulfur	BTU (lb/gal/cu	ft) Action
Fuel / Ma Percen Fuel Test Fuel Test 1	terial: Natural Ga Ash: 0.00 Date Collected 01/0	Percent Sulfur:	% Sulfur	BTU (lb/gal/cu	ft) Action
Fuel Test Fuel Test 1  Add New Fuel Fuel Test 2	Date Collected 01/0	% Ash 0.	% Sulfur 00 0.0000	BTU (lb/gal/cu	ft) Action 1050 Remove
Fuel Test Fuel Test 1  Add New Fuel Fuel Test 2	Date Collected 01/0	% Ash 0.	% Sulfur 00 0.0000	BTU (lb/gal/cu	ft) Action 1050 Remove
Fuel Test Fuel Test 1  Add New Fuel Fuel Test 2	Date Collected 01/0	% Ash 0.	% Sulfur 00 0.0000	BTU (lb/gal/cu	ft) Action 1050 Remove

PA Dept. of Environmental Protection

DEP Home | AQ Emissions Inventory Home | Contacts | Help | Logout





# In Progress

# A Home

### **Bookmarks**

**Document Find Facility Details** 

■ Sub Facilities

Fuel Material Locations

Combustion Units

Incinerators

Processes

Control Devices

■ Sub Facility: CU 031

View Map

View Factors

SCC: 1-03-002-07

Add New Schedule

Schedule - 01/01/2021

SCC: 1-03-006-02

Add New Schedule

Schedule - 01/01/2021

#### Manual Emissions

Sub Facility/SCC Status

Misc. Emissions

**Pollutant Summary** 

**Fuel Usage Summary** 



✓ Start Submission

Return to Facility List

2021 Annual Emission Statement



New Note

SCC: 1-03-002-07 031 - BOILER 1

SCC Details

Description: EXTERNAL COMBUSTION BOILERS; COMMERCIAL/INSTITUTIONAL;

BITUMINOUS/SUBBITUMINOUS COAL; OVERFEED STOKER (BITUMINO

**Operating Schedule** 

Date Effective

Date End

Hours Days Days/Week Action

Schedule - 01/01/2021 01/01/2021 12/31/2021

1464 61 7.0

Remove

Add New Schedule

**Fuel Details** 

Fuel / Material: Bituminous Percent Ash: 6.96

Percent Sulfur: 0.9667

Fuel Source: FM04

BTU(lb/gal/cu ft): 12728

CU - 031 - BOILER 1

Go



PA Dept. of Environmental Protection

DEP Home | AQ Emissions Inventory Home | Contacts | Help | Logout





# Report In Progress

# A Home

### **Bookmarks**

**Document Find Facility Details** 

Sub Facilities

Fuel Material Locations

Combustion Units

Incinerators

Processes

Control Devices

■ Sub Facility: CU 031

View Map

View Factors

SCC: 1-03-002-07

Add New Schedule

Schedule - 01/01/2021

SCC: 1-03-006-02

Add New Schedule

Schedule - 01/01/2021

## Manual Emissions

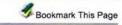
Sub Facility/SCC Status Misc. Emissions Pollutant Summary Fuel Usage Summary





Return to Facility List

## 2021 Annual Emission Statement



Manual Emissions	for 031 - BO	ILER 1		View Factors	New	Note **
List of Criteria/GHG	Pollutants			Emission Amou	nt	
Pollutant	CAS	Calculation Method		(0.0 TPY)	Use Factor	Action
† Ammonia	7664417	Dep Factor Used By Dep	<b>~</b>	0.0034	1,000,000	
† co	630080	Dep Factor Used By Dep	<b>▼</b>	2.0592		
† Lead	7439921	Dep Factor Used By Dep	▼ [	0.0035		
† NOX	10102440	Co. Stack Test Approved By Dep	•	3.0234		
PM-CON		No Factor Available	~	0.0000		
† PM10		Co. Stack Test Approved By Dep	· •	2.0916		
PM2.5		No Factor Available	<b>▽</b> [	0.0000		
† sox	7446095	Co. Stack Test Approved By Dep	~	11.3996		
† voc		Dep Factor Used By Dep	<b>~</b>	0.0536		
* Carbon Dioxide	124389	Ap-42 Latest Available	<b>~</b>	1674.3711		
* Methane	74828	Dep Factor Used By Dep	<b>~</b>	0.0301		
* Nitrous Oxide	10024972	Ap-42 Latest Available	<b>v</b>	0.0226		
List of VOC HAPs Pollutant	CAS	Calculation Method		(0.0 TPY)	Use Factor	Action
† Benzene	71432	Dep Factor Used By Dep	<b>~</b>	0.0000		
† Butane	106978	Dep Factor Used By Dep	<b>~</b>	0.0137		
† Formaldehyde	50000	Dep Factor Used By Dep	<b>~</b>	0.0005		
† Hexane	110543	Dep Factor Used By Dep	<b>~</b>	0.0118		
† Naphthalene	91203	Dep Factor Used By Dep	<b>▽</b> [	0.0000		
Pentane	109660	Dep Factor Used By Dep	▼ [	0.0170		
† Propane	74986	Dep Factor Used By Dep	<b>~</b>	0.0105		
† Toluene	108883	Dep Factor Used By Dep	<b>v</b>	0.0000		
		VOC HAP	s Total -	0.0535		
		Criteri	a VOC -	0.0536		

### List of PM10 HAPs

Pollutant	CAS	Calculation Method		(0.0 TPY)	Use Action
† Arsenic	7440382	Dep Factor Used By Dep	<b>v</b>	0.0000	
† Barium	7440393	Dep Factor Used By Dep	~	0.0000	
† Cadmium	7440439	Dep Factor Used By Dep	~	0.0000	
† Chromium	7440473	Dep Factor Used By Dep	~	0.0000	
† Copper	7440508	Dep Factor Used By Dep	~	0.0000	
† Manganese	7439965	Dep Factor Used By Dep	<b>v</b>	0.0000	
* Mercury	7439976	Dep Factor Used By Dep	~	0.0000	
* Molybdenum	7439987	Dep Factor Used By Dep	~	0.0000	
† Nickel	7440020	Dep Factor Used By Dep	~	0.0000	
† Vanadium	7440622	Dep Factor Used By Dep	~	0.0000	
† Zinc	7440666	Dep Factor Used By Dep	~	0.0001	

PM10 HAPs Total -

List of Regulated / E	xempt / Of	ther Pollutants		
Pollutant	CAS	Calculation Method		(0.0 TPY) Use Action
† Ethane	74840	Dep Factor Used By Dep	~	0.0203
† Hydrochloric Acid	7647010	Dep Factor Used By Dep	<b>~</b>	0.3021
† Hydrogen Fluoride	7664393	Dep Factor Used By Dep	•	0.0378
Add a new record				
Pollutant Name	O CAS Nu		A .	
Select a Pollutant	-	- Select a	Calculation Method	d 💙
		Save	do	
Pollutants that are listed previous year.	in <b>bold</b> are	required because they are eithe	r criteria pollutant	s or were reported in the
(Emission Amount) for P (Emission Amount) for V	M10 must r	ot be less than (Emission Amou not be less than the sum of all "P ot be less than the sum of all spe in include speciated VOC's that a	M10 HAPs" emiss	sion amounts. ne "VOCs HAPs" section.
denotes presence of system will automatically	FEPA factor.	If the 'use factor' <b>checkbox</b> is c	hecked, the amou	unt must be null and the
		have an EPA factor but were ma		the facility the previous yea
All HAPs must have a M factor' check box selected	lanual Emise ed. The emis	sion calculation method code and sion amount must be 0.0000, if	d emission value ( Calculation Metho	(as applicable) OR the 'use od is 'No Factor Available'.
NOTE: Pollutants need to assumed for most pollut. Dioxins (submit Lbs/Yr Furans (submit Lbs/Yr	ants are ton only)	ed to the greatest accuracy avail: s/year, with the following excepti	able with no de m ons, which are as	inimis amount. The units sumed to be in lbs/year:
See instructions for sp	ecific pollu	tant reporting requirements.		
	- 031 - BOIL	ER 1		Go D

PA Dept. of Environmental Protection

DEP Home | AQ Emissions Inventory Home | Contacts | Help | Logout





# In Progress

# A Home

### **Bookmarks**

**Document Find Facility Details** 

■ Sub Facilities

Fuel Material Locations

Combustion Units

Incinerators

Processes

Control Devices

■ Sub Facility: CU 032

View Map

View Factors

SCC: 1-03-002-07

Add New Schedule

Schedule - 01/01/2021

SCC: 1-03-006-02

Add New Schedule

Schedule - 01/01/2021

### Manual Emissions

Sub Facility/SCC Status Misc. Emissions **Pollutant Summary Fuel Usage Summary** 

**Document Attachments ■** Notes

**✓** Start Submission

Return to Facility List

# 2021 Annual Emission Statement



Manual Emissions f	for 032 - BO	ILER 2	View Factors   New Note
List of Criteria/GHG	Pollutants	2001 2001	Emission Amount
Pollutant	CAS	Calculation Method	(0.0 TPY) Use Factor Action
† Ammonia	7664417	Dep Factor Used By Dep   ✓	0.0038
† co	630080	Dep Factor Used By Dep   ✓	3.1391
† Lead	7439921	Dep Factor Used By Dep   ✓	0.0059
† NOX	10102440	Co. Stack Test Approved By Dep ❤	4.5013
PM-CON		No Factor Available	0.0000
† PM10		Co. Stack Test Approved By Dep ❤	5.0769
PM2.5		Dep Factor Used By Dep   ✓	2.5384
† sox	7446095	Co. Stack Test Approved By Dep ❤	16.9722
† voc		Dep Factor Used By Dep   ✓	0.0694
† Carbon Dioxide	124389	Ap-42 Latest Available	2588.7687
† Methane	74828	Dep Factor Used By Dep   ✓	0.0420
† Nitrous Oxide	10024972	Ap-42 Latest Available	0.0375
List of VOC HAPs Pollutant	CAS	Calculation Method	(0.0 TPY) Use Action
† Benzene	71432	Dep Factor Used By Dep   ✓	0.0000
† Butane	106978	Dep Factor Used By Dep   ✓	0.0152
† Formaldehyde	50000	Dep Factor Used By Dep   ✓	0.0005
† Hexane	110543	Dep Factor Used By Dep   ✓	0.0131
* Naphthalene	91203	Dep Factor Used By Dep   ✓	0.0000
† Pentane	109660	Dep Factor Used By Dep   ✓	0.0189
† Propane	74986	Dep Factor Used By Dep   ✓	0.0116
† Toluene	108883	Dep Factor Used By Dep   ▼	0.0000
		VOC HAPs Total -	0.0593
		Criteria VOC -	0.0694

#### **List of PM10 HAPs**

Pollutant	CAS	Calculation Method		(0.0 TPY)	Use Action
* Arsenic	7440382	Dep Factor Used By Dep	~	0.0000	
† Barium	7440393	Dep Factor Used By Dep	~	0.0000	
† Cadmium	7440439	Dep Factor Used By Dep	~	0.0000	
† Chromium	7440473	Dep Factor Used By Dep	~	0.0000	
† Copper	7440508	Dep Factor Used By Dep	~	0.0000	
† Manganese	7439965	Dep Factor Used By Dep	~	0.0000	
† Mercury	7439976	Dep Factor Used By Dep	~	0.0000	
† Molybdenum	7439987	Dep Factor Used By Dep	~	0.0000	
† Nickel	7440020	Dep Factor Used By Dep	~	0.0000	
† Vanadium	7440622	Dep Factor Used By Dep	~	0.0000	
† Zinc	7440666	Dep Factor Used By Dep	~	0.0001	

PM10 HAPs Total -

#### List of Regulated / Exempt / Other Pollutants Use Pollutant Calculation Method (0.0 TPY) Action 74840 Dep Factor Used By Dep Ethane 0.0225 7647010 Dep Factor Used By Dep Hydrochloric Acid 0.5059 7664393 Dep Factor Used By Dep Hydrogen Fluoride 0.0632 Add a new record Pollutant Name O CAS Number -- Select a Pollutant ---- Select a Calculation Method --Save Undo Pollutants that are listed in **bold** are required because they are either criteria pollutants or were reported in the previous year. (Emission Amount) for PM10 must not be less than (Emission Amount) for PM2.5. (Emission Amount) for PM10 must not be less than the sum of all "PM10 HAPs" emission amounts. (Emission Amount) for VOC must not be less than the sum of all speciated VOCs in the "VOCs HAPs" section. Pollutants in the "VOC HAPs" section include speciated VOC's that are not HAPs. denotes presence of EPA factor. If the 'use factor' checkbox is checked, the amount must be null and the system will automatically calculate the Emission amount using DEP SCC factor. lndicates pollutants that did not have an EPA factor but were manually reported by the facility the previous year. All HAPs must have a Manual Emission calculation method code and emission value (as applicable) OR the 'use factor' check box selected. The emission amount must be 0.0000, if Calculation Method is 'No Factor Available'. NOTE: Pollutants need to be reported to the greatest accuracy available with no de minimis amount. The units assumed for most pollutants are tons/year, with the following exceptions, which are assumed to be in lbs/year: Dioxins (submit Lbs/Yr only)

See instructions for specific pollutant reporting requirements.



Furans (submit Lbs/Yr only)

CU - 032 - BOILER 2

Go







# In Progress

# A Home

### **Bookmarks**

**Document Find Facility Details** 

■ Sub Facilities

Fuel Material Locations

Combustion Units

Incinerators

Processes

Control Devices

■ Sub Facility: CU 033A

View Map

View Factors

SCC: 1-02-006-02

Add New Schedule

Schedule - 01/01/2021

### Manual Emissions

Sub Facility/SCC Status Misc. Emissions **Pollutant Summary** Fuel Usage Summary

Ø	Document	Attachments
+	Notes	

✓ Start Submission

Return to Facility List

### 2021 Annual Emission Statement

Bookmark This Page

Manual Emissions	for 033A -	BOILER 3	View Factors   New Note
List of Criteria/GHO	3 Pollutant	s	Emission Amount
Pollutant	CAS	Calculation Method	(0.0 TPY) Use Action
† Ammonia	7664417	Dep Factor Used By Dep   ▼	0.0143
† co	630080	Co. Stack Test Approved By Der ❤	0.0073
† Lead	7439921	Dep Factor Used By Dep   ✓	0.0000
† NOX	10102440	Co. Stack Test Approved By Dep ♥	0.4873
PM-CON		No Factor Available	0.0000
† PM10		Dep Factor Used By Dep   ✓	0.0873
PM2.5		Dep Factor Used By Dep   ✓	0.0436
† sox	7446095	Dep Factor Used By Dep   ✓	0.0175
† voc		Dep Factor Used By Dep   ✓	0.2378
† Carbon Dioxide	124389	Ap-42 Latest Available   ✓	1700.4479
† Methane	74828	Dep Factor Used By Dep   ✓	0.0669
† Nitrous Oxide	10024972	Ap-42 Latest Available   ✓	0.0029
List of VOC HAPs			
Pollutant	CAS	Calculation Method	(0.0 TPY) Use Action
† Benzene	71432	Dep Factor Used By Dep   ✓	0.0001
† Butane	106978	Dep Factor Used By Dep   ✓	0.0611
† Formaldehyde	50000	Dep Factor Used By Dep   ✓	0.0020
† Hexane	110543	Dep Factor Used By Dep   ✓	0.0524
† Naphthalene	91203	Dep Factor Used By Dep   ✓	0.0000
† Pentane	109660	Dep Factor Used By Dep   ✓	0.0756
† Propane	74986	Dep Factor Used By Dep   ▼	0.0465
† Toluene	108883	Dep Factor Used By Dep  ▼	0.0001
Toluerie		VOC HAPs Total -	0.2378
10 March 1997		Criteria VOC -	0.2378
List of PM10 HAPs			
	0.40	0.1.1.1	(0.0 TDV) Use Action

Polluta	int	CAS	Calculation Method		(0.0 TPY)	Use Action
† Arse	enic	7440382	Dep Factor Used By Dep	~	0.0000	
† Bar	ium	7440393	Dep Factor Used By Dep	~	0.0001	
† Cad	dmium	7440439	Dep Factor Used By Dep	~	0.0000	
† Chr	romium	7440473	Dep Factor Used By Dep	~	0.0000	
† Cor	pper	7440508	Dep Factor Used By Dep	~	0.0000	
	nganese	7439965	Dep Factor Used By Dep	~	0.0000	
† Mei	rcury	7439976	Dep Factor Used By Dep	~	0.0000	
† Mol	lybdenum	7439987	Dep Factor Used By Dep	~	0.0000	
† Nic	kel	7440020	Dep Factor Used By Dep	~	0.0001	
† Var	nadium	7440622	Dep Factor Used By Dep	~	0.0001	
† Zin	С	7440666	Dep Factor Used By Dep	~	0.0006	

PM10 HAPs Total -

# List of Regulated / Exempt / Other Pollutants Pollutant Use CAS Calculation Method (0.0 TPY) Action Factor 74840 Ethane Dep Factor Used By Dep ~ 0.0902 Add a new record Pollutant Name O CAS Number -- Select a Pollutant --- Select a Calculation Method -Save Undo Pollutants that are listed in **bold** are required because they are either criteria pollutants or were reported in the previous year. (Emission Amount) for PM10 must not be less than (Emission Amount) for PM2.5. (Emission Amount) for PM10 must not be less than the sum of all "PM10 HAPs" emission amounts. (Emission Amount) for VOC must not be less than the sum of all speciated VOCs in the "VOCs HAPs" section. Pollutants in the "VOC HAPs" section include speciated VOC's that are not HAPs. denotes presence of EPA factor. If the 'use factor' checkbox is checked, the amount must be null and the system will automatically calculate the Emission amount using DEP SCC factor. Indicates pollutants that did not have an EPA factor but were manually reported by the facility the previous year. All HAPs must have a Manual Emission calculation method code and emission value (as applicable) OR the 'use factor' check box selected. The emission amount must be 0.0000, if Calculation Method is 'No Factor Available'. NOTE: Pollutants need to be reported to the greatest accuracy available with no de minimis amount. The units assumed for most pollutants are tons/year, with the following exceptions, which are assumed to be in lbs/year: Dioxins (submit Lbs/Yr only) Furans (submit Lbs/Yr only) See instructions for specific pollutant reporting requirements. CU - 033A - BOILER 3 Go

PA Dept. of Environmental Protection

DEP Home | AQ Emissions Inventory Home | Contacts | Help | Logout





# In Progress

# A Home

#### **Bookmarks**

**Document Find Facility Details** 

■ Sub Facilities

Fuel Material Locations

Combustion Units

Incinerators

Processes

Control Devices

■ Sub Facility: CU 034A

View Map

View Factors

SCC: 1-02-002-05

Add New Schedule

Schedule - 01/01/2021

SCC: 1-02-006-02

Add New Schedule

Schedule - 01/01/2021

### Manual Emissions

Sub Facility/SCC Status Misc. Emissions **Pollutant Summary** 

Fuel Usage Summary





Return to Facility List

### 2021 Annual Emission Statement



Manual Emissions f	or 034A - R	ETROFITTED BOILER 4		View Factors	New	Note 🕏
List of Criteria/GHG	Pollutants			Emission Amou	nt	
Pollutant	CAS	Calculation Method		(0.0 TPY)	Use Factor	Action
† Ammonia	7664417	Dep Factor Used By Dep	<b>▽</b>	0.0033	i dutor	
† co	630080	Dep Factor Used By Dep	₹ 7	2.6306		
† Lead	7439921	Dep Factor Used By Dep	₹ 7	0.0049		
† NOX	10102440	Co. Stack Test Approved By Dep	▼ [	3.7791		
PM-CON		No Factor Available	▼	0.0000		
† PM10		Co. Stack Test Approved By Dep	▼ [	4.4605		
PM2.5		No Factor Available	<b>~</b>	0.0000		
† sox	7446095	Co. Stack Test Approved By Dep	<b>v</b>	14.2490		
† voc		Dep Factor Used By Dep	<b>▽</b>	0.0590		
† Carbon Dioxide	124389	Ap-42 Latest Available	<b>▽</b> □	2166.9888		
† Methane	74828	Dep Factor Used By Dep	<b>▽</b> □	0.0354		
* Nitrous Oxide	10024972	Ap-42 Latest Available	<b>~</b>	0.0312		
List of VOC HAPs						
Pollutant	CAS	Calculation Method		(0.0 TPY)	Use	Action
† Benzene	71432	Dep Factor Used By Dep	▼ □	0.0000		
† Butane	106978	Dep Factor Used By Dep	<b>~</b>	0.0131		
† Formaldehyde	50000	Dep Factor Used By Dep	<b>▽</b>	0.0004	$\Box$	
† Hexane	110543	Dep Factor Used By Dep	<b>▽</b>	0.0113	$\overline{\Box}$	
Naphthalene	91203	Dep Factor Used By Dep	₹ 7	0.0000		
† Pentane	109660	Dep Factor Used By Dep	<b>₹</b>	0.0163	$\Box$	
	74986		<b>→</b> ⊢	0.0100		
Propane	108883	Dep Factor Used By Dep	₹ -	0.0000		
Toluene	.00000	VOC HAPs		0.0511		
			VOC -	0.0511		
		Criteria	40C -	0.0590		

### List of PM10 HAPs

Pollutant	CAS	Calculation Method		(0.0 TPY)	Use Action
† Arsenic	7440382	Dep Factor Used By Dep	<b>v</b>	0.0000	
† Barium	7440393	Dep Factor Used By Dep	<b>Y</b>	0.0000	
† Cadmium	7440439	Dep Factor Used By Dep	~	0.0000	
† Chromium	7440473	Dep Factor Used By Dep	•	0.0000	
† Copper	7440508	Dep Factor Used By Dep	<b>~</b>	0.0000	
† Manganese	7439965	Dep Factor Used By Dep	•	0.0000	
† Mercury	7439976	Dep Factor Used By Dep	•	0.0000	
* Molybdenum	7439987	Dep Factor Used By Dep	~	0.0000	
Nickel	7440020	Dep Factor Used By Dep	~	0.0000	
† Vanadium	7440622	Dep Factor Used By Dep	<b>v</b>	0.0000	
† Zinc	7440666	Dep Factor Used By Dep	<b>v</b>	0.0001	
		PM10 H	APs Total -	0.0001	

### List of Regulated / Exempt / Other Pollutants Use Pollutant CAS Calculation Method (0.0 TPY) Action 74840 Ethane Dep Factor Used By Dep 0.0194 7647010 Dep Factor Used By Dep 0.4210 Hydrochloric Acid 7664393 Dep Factor Used By Dep 0.0526 Hydrogen Fluoride Add a new record Pollutant Name O CAS Number - Select a Pollutant --- Select a Calculation Method --Save Undo Pollutants that are listed in **bold** are required because they are either criteria pollutants or were reported in the previous year. (Emission Amount) for PM10 must not be less than (Emission Amount) for PM2.5. (Emission Amount) for PM10 must not be less than the sum of all "PM10 HAPs" emission amounts. (Emission Amount) for VOC must not be less than the sum of all speciated VOCs in the "VOCs HAPs" section. Pollutants in the "VOC HAPs" section include speciated VOC's that are not HAPs. denotes presence of EPA factor. If the 'use factor' checkbox is checked, the amount must be null and the system will automatically calculate the Emission amount using DEP SCC factor. Indicates pollutants that did not have an EPA factor but were manually reported by the facility the previous year. All HAPs must have a Manual Emission calculation method code and emission value (as applicable) OR the 'use factor' check box selected. The emission amount must be 0.0000, if Calculation Method is 'No Factor Available'. NOTE: Pollutants need to be reported to the greatest accuracy available with no de minimis amount. The units assumed for most pollutants are tons/year, with the following exceptions, which are assumed to be in lbs/year: Dioxins (submit Lbs/Yr only) Furans (submit Lbs/Yr only) See instructions for specific pollutant reporting requirements. CU - 034A - RETROFITTED BOILER 4

PA Dept, of Environmental Protection

DEP Home | AQ Emissions Inventory Home | Contacts | Help | Logout





# Report In Progress

H	0	m	e

#### **Bookmarks**

**Document Find Facility Details** 

■ Sub Facilities

Fuel Material Locations

Combustion Units

Incinerators

Processes

Control Devices

■ Sub Facility: CU 036

View Map

View Factors

SCC: 1-02-006-02

Add New Schedule

Schedule - 01/01/2021

## Manual Emissions

Sub Facility/SCC Status Misc. Emissions **Pollutant Summary** Fuel Usage Summary



✓ Start Submission

Return to Facility List

# 2021 Annual Emission Statement



Manual Emissions	for 036 - B	OILER 5	View Factors   New Note
List of Criteria/GH	G Pollutant	s	Emission Amount
Pollutant	CAS	Calculation Method	(0.0 TPY) Use Action
† Ammonia	7664417	Dep Factor Used By Dep   ✓	0.0330
† co	630080	Co. Stack Test Approved By Der 🗸	5.6636
† Lead	7439921	Dep Factor Used By Dep   ✓	0.0000
† NOX	10102440	Co. Stack Test Approved By Dep ▼	0.0023
PM-CON		No Factor Available	0.0000
† PM10		Dep Factor Used By Dep   ✓	0.2023
PM2.5		No Factor Available	0.0000
† sox	7446095	Dep Factor Used By Dep   ▼	0.0405
† voc		Dep Factor Used By Dep   ✓	0.5513
† Carbon Dioxide	124389	Ap-42 Latest Available   ✓	3940.9271
* Methane	74828	Dep Factor Used By Dep   ▼	0.1551
† Nitrous Oxide	10024972	Ap-42 Latest Available   ✓	0.0067
Pollutant	CAS 71432	Calculation Method	(0.0 TPY) Use Factor Action
† Benzene	71432	Dep Factor Used By Dep   ▼	0.0001
† Butane	106978	Dep Factor Used By Dep   ✓	0.1416
† Formaldehyde	50000	Dep Factor Used By Dep   ✓	0.0047
† Hexane	110543	Dep Factor Used By Dep   ▼	0.1214
Naphthalene	91203	Dep Factor Used By Dep   ▼	0.0000
† Pentane	109660	Dep Factor Used By Dep  ▼	0.1753
† Propane	74986	Dep Factor Used By Dep  ▼	0.1079
† Toluene	108883	Dep Factor Used By Dep  ▼	0.0002
Toluene		VOC HAPs Total -	0.5512
		Criteria VOC -	0.5513
List of PM10 HAPs			
Pollutant	CAS	Calculation Method	(0.0 TPY) Use Action
† Arsenic	7440382	Dep Factor Used By Dep   ✓	0.0000
Alsenic	7440202	D = 5 - 1 - 1 - 1 D - D	2 2000

Pollutar	nt	CAS	Calculation Method		(0.0 TPY)	Use Factor Action
† Arse	enic	7440382	Dep Factor Used By Dep	~	0.0000	
† Bari	ium	7440393	Dep Factor Used By Dep	~	0.0000	
† Cad	lmium	7440439	Dep Factor Used By Dep	~	0.0000	
† Chro	omium	7440473	Dep Factor Used By Dep	~	0.0001	
† Cop	per	7440508	Dep Factor Used By Dep	~	0.0000	
† Man	nganese	7439965	Dep Factor Used By Dep	~	0.0000	
† Mer	cury	7439976	Dep Factor Used By Dep	~	0.0000	
† Mol	ybdenum	7439987	Dep Factor Used By Dep	~	0.0000	
† Nick	kel	7440020	Dep Factor Used By Dep	~	0.0000	
† Van	adium	7440622	Dep Factor Used By Dep	~	0.0000	
† Zinc	C	7440666	Dep Factor Used By Dep	~	0.0013	

PM10 HAPs Total -

		Criter	ria PM10 -	0.2023	
List of Regulated	/ Exempt /	Other Pollutants			
Pollutant	CAS	Calculation Method		(0.0 TPY)	Use Action
† Ethane	74840	Dep Factor Used By Dep	•	0.2090	
Add a new recor	d			8	hamar - d
O Pollutant Name	e Ocas	Number			
Select a Pollutan	t	✓ Select	a Calculation Me	thod 💙	
(Emission Amount) (Emission Amount) (Emission Amount) (Emission Amount) Pollutants in the "Video denotes present	for PM10 mus for PM10 mus for VOC must OC HAPs" sec ce of EPA fact	t not be less than (Emission Amot to be less than the sum of all not be less than the sum of all stion include speciated VOC's that or. If the 'use factor' checkbox is the Emission amount using DEI	ount) for PM2.5. PM10 HAPs" er peciated VOCs i t are not HAPs.	nission amounts n the "VOCs HAI	Ps" section.
Maria Indicates polluta	ants that did no	ot have an EPA factor but were m	anually reported	by the facility th	e previous year
All HAPs must have factor' check box se	e a Manual Em elected. The er	ission calculation method code a nission amount must be 0.0000,	ind emission val if Calculation Me	ue (as applicable ethod is 'No Fact	e) OR the 'use or Available'.
NOTE: Pollutants n assumed for most p Dioxins (submit Lb Furans (submit Lb	oollutants are t os/Yr only)	orted to the greatest accuracy avaions/year, with the following excep	ailable with no de otions, which are	e minimis amoun e assumed to be	t. The units in lbs/year:
See instructions for	or specific po	llutant reporting requirements.	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		

PA Dept. of Environmental Protection

DEP Home | AQ Emissions Inventory Home | Contacts | Help | Logout

CU - 036 - BOILER 5





Bookmark This Page

~

# In Progress

**Bituminous** 

Diesel Fuel

Natural Gas

Add New Fuel

-- Select a Fuel --

M.S.
------

M Home

#### **Bookmarks**

**Document Find Facility Details** 

Sub Facilities

Fuel Material Locations

Combustion Units

Incinerators

Processes

Control Devices

■ Sub Facility: PROC 101

View Map

View Factors

SCC: 2-02-001-02

Add New Schedule

Schedule - 01/01/2021

SCC: 2-03-002-01

Add New Schedule

Schedule - 01/01/2021

Manual Emissions

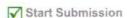
Sub Facility/SCC Status

Misc. Emissions

Pollutant Summary

Fuel Usage Summary





Return to Facility List

Fuel Usage Summary for ROCK UNIV PA	PA STATE SYS OF HIGHE	R ED/SLIPPERY	SCC Fuel Usage	New Note
Fuel Type	Total Use	Units	Ac	tion
Bituminous	2048.	30 Tons	~ ~	

Thousand Gallons

Thousand Cubic Feet

2021 Annual Emission Statement

114838.20

Select a Fuel	~		0.00 Select a Ur	it of Measure
		Save	Undo	

Please Note: Usage values for Fuels that are associated with one or more active SCCs may not be removed.

PA Dept. of Environmental Protection

DEP Home | AQ Emissions Inventory Home | Contacts | Help | Logout







### 2021 Annual Emission Statement

Bookmark This Page

0.1877

2.4162

0.0059

3.0E-4

0.0699

0.0059

New Note \*

Action

Remove

Remove

Remove

Remove

Remove

Remove

# A Home

#### **Bookmarks**

Document Find **Facility Details** 

#### ■ Sub Facilities

Fuel Material Locations

Combustion Units

Incinerators

Processes

Control Devices

☐ Sub Facility: PROC 101

#### View Map

View Factors

#### SCC: 2-02-001-02

Add New Schedule

Schedule - 01/01/2021

#### SCC: 2-03-002-01

Add New Schedule

Schedule - 01/01/2021

#### Manual Emissions

Sub Facility/SCC Status

Misc. Emissions

**Pollutant Summary** 

Fuel Usage Summary





Return to Facility List

Miscellaneous UNIV PA	Emissions for P	A STATE SYS OF HIGHER ED/SLIPPERY ROCK	
Sub Facility	Pollutant	Calculation Mathed	

Amount Pollutant Calculation Method Name (Opt. Campus Generato CO Dep Factor Used By Dep Campus Generato NOX Dep Factor Used By Dep ~ PM10 Campus Generato Dep Factor Used By Dep Campus Generato SOX Dep Factor Used By Dep Campus Generato VOC Dep Factor Used By Dep ~ Campus Generato PM2.5 Dep Factor Used By Dep

# Add a new record

Pollutant Name	O CAS Number		Calculation Method		Amount
- Select a Pollutant		~	Select a Calculation Method	~	
		5000 CO			

NOTE: Pollutants need to be reported to the greatest accuracy available with no de minimis amount. The units assumed for most pollutants are tons/year, with the following exceptions, which are assumed to be in lbs/year:

Dioxins (submit Lbs/Yr only)

Furans (submit Lbs/Yr only)

See instructions for specific pollutant reporting requirements.

PA Dept. of Environmental Protection

DEP Home | AQ Emissions Inventory Home | Contacts | Help | Logout



Manual Emissions for 101 - EMERGENCY ENGINES BUILT PRIOR



# In Progress

# A Home

### **Bookmarks**

Document Find **Facility Details** 

■ Sub Facilities

Fuel Material Locations

Combustion Units

Incinerators

Processes

Control Devices

■ Sub Facility: PROC 101

View Map

View Factors

SCC: 2-02-001-02

Add New Schedule

Schedule - 01/01/2021

SCC: 2-03-002-01

Add New Schedule

Schedule - 01/01/2021

#### Manual Emissions

Sub Facility/SCC Status Misc. Emissions Pollutant Summary

Fuel Usage Summary



Notes

✓ Start Submission

Return to Facility List

### 2021 Annual Emission Statement



ist of Criteria/GHG	Pollutante			
List of Criteria/Grid	Pollutarits			Emission Amount
Pollutant	CAS	Calculation Method		(0.0 TPY) Use Factor Action
Ammonia	7664417	No Factor Available	~	0.0000
† co	630080	Dep Factor Used By Dep	~	0.1499
Lead	7439921	No Factor Available	~	0.0000
† NOX	10102440	Dep Factor Used By Dep	~	1.9299
PM-CON		No Factor Available	~	0.0000
† PM10		Dep Factor Used By Dep	~	0.0047
PM2.5		No Factor Available	~	0.0000
† sox	7446095	Dep Factor Used By Dep	~	0.0003
† voc		Dep Factor Used By Dep	~	0.0558
* Carbon Dioxide	124389	Dep Factor Used By Dep	~	113.6800
† Methane	74828	Dep Factor Used By Dep	~	0.0021
† Nitrous Oxide	10024972	Dep Factor Used By Dep	~	0.0002

#### Add a new record

Pollutant Name	O CAS Number				
Select a Pollutant		~	Select a Calculation Method	~	

Save Undo

Pollutants that are listed in **bold** are required because they are either criteria pollutants or were reported in the previous year.

(Emission Amount) for PM10 must not be less than (Emission Amount) for PM2.5. (Emission Amount) for PM10 must not be less than the sum of all "PM10 HAPs" emission amounts. (Emission Amount) for VOC must not be less than the sum of all speciated VOCs in the "VOCs HAPs" section. Pollutants in the "VOC HAPs" section include speciated VOC's that are not HAPs.

denotes presence of EPA factor. If the 'use factor' checkbox is checked, the amount must be null and the system will automatically calculate the Emission amount using DEP SCC factor.

🔇 Indicates pollutants that did not have an EPA factor but were manually reported by the facility the previous year.

All HAPs must have a Manual Emission calculation method code and emission value (as applicable) OR the 'use factor' check box selected. The emission amount must be 0.0000, if Calculation Method is 'No Factor Available'.

NOTE: Pollutants need to be reported to the greatest accuracy available with no de minimis amount. The units assumed for most pollutants are tons/year, with the following exceptions, which are assumed to be in lbs/year:

Dioxins (submit Lbs/Yr only) Furans (submit Lbs/Yr only)

See instructions for specific pollutant reporting requirements.



PROC - 101 - EMERGENCY ENGINES BUILT PRIOR TO 1/1/2005 ♥











# A Home

#### **Bookmarks**

**Document Find Facility Details** 

■ Sub Facilities

Fuel Material Locations

Combustion Units

Incinerators

Processes

Control Devices

■ Sub Facility: PROC 105

View Map

View Factors

SCC: 4-01-002-95

Add New Schedule

Schedule - 01/01/2021

#### Manual Emissions

Sub Facility/SCC Status Misc. Emissions **Pollutant Summary Fuel Usage Summary** 





Return to Facility List

# 2021 Annual Emission Statement



Manual Emissions	anual Emissions for 105 - PARTS WASHER			View Factors   New Note 🦫
List of Criteria/GH	G Pollutant	s		Emission Amount
Pollutant	CAS	Calculation Method		(0.0 TPY) Use Action
Ammonia	7664417	No Factor Available	~	0.0000
со	630080	No Factor Available	~	0.0000
Lead	7439921	No Factor Available	~	0.0000
NOX	10102440	No Factor Available	~	0.0000
PM-CON		No Factor Available	~	0.0000
PM10		No Factor Available	~	0.0000
PM2.5		No Factor Available	~	0.0000
sox	7446095	No Factor Available	· •	0.0000
voc		No Factor Available	~	0.0000
Carbon Dioxide	124389	No Factor Available	~	0.0000
Methane	74828	No Factor Available	~	0.0000
Nitrous Oxide	10024972	No Factor Available	~	0.0000

# Add a new record

Pollutant Name	O CAS Number				
Select a Pollutant		~	Select a Calculation Method	~	

Save	Undo
------	------

Pollutants that are listed in bold are required because they are either criteria pollutants or were reported in the previous year.

(Emission Amount) for PM10 must not be less than (Emission Amount) for PM2.5. (Emission Amount) for PM10 must not be less than the sum of all "PM10 HAPs" emission amounts, (Emission Amount) for VOC must not be less than the sum of all speciated VOCs in the "VOCs HAPs" section. Pollutants in the "VOC HAPs" section include speciated VOC's that are not HAPs.

denotes presence of EPA factor. If the 'use factor' checkbox is checked, the amount must be null and the system will automatically calculate the Emission amount using DEP SCC factor.

🔇 Indicates pollutants that did not have an EPA factor but were manually reported by the facility the previous year.

All HAPs must have a Manual Emission calculation method code and emission value (as applicable) OR the 'use factor' check box selected. The emission amount must be 0.0000, if Calculation Method is 'No Factor Available'.

NOTE: Pollutants need to be reported to the greatest accuracy available with no de minimis amount. The units assumed for most pollutants are tons/year, with the following exceptions, which are assumed to be in lbs/year: Dioxins (submit Lbs/Yr only)

Furans (submit Lbs/Yr only)

See instructions for specific pollutant reporting requirements.







# In Progress

### 2021 Annual Emission Statement

Bookmark This Page

**New Note** 

Action

Action

Action

	Н	0	m	a
TINE	1 1	v	9.9.1	Ç.

#### **Bookmarks**

**Document Find Facility Details** 

■ Sub Facilities

Fuel Material Locations

Combustion Units

Incinerators

Processes

Control Devices

■ Sub Facility: PROC 101

View Map

View Factors

SCC: 2-02-001-02

Add New Schedule

Schedule - 01/01/2021

SCC: 2-03-002-01

Add New Schedule

Schedule - 01/01/2021

#### Manual Emissions

Sub Facility/SCC Status

Misc. Emissions

Pollutant Summary

**Fuel Usage Summary** 





Return to Facility List

List of Criteria/GHG Pollutants	Emission Amounts in Tons/Year (TPY)

Facility Pollutant Summary for PA STATE SYS OF HIGHER ED/SLIPPERY ROCK UNIV

Pollutant	Sub Fac. Total	Misc. Emissions	Facility Estimate
Ammonia	0.0578	No Data	0.0578
co	13.7749	0.1877	13.8375
Carbon Dioxide	12282.0436	No Data	12282.0436
Lead	0.0143	No Data	0.0143
Methane	0.3334	No Data	0.3334
NOX	15.8024	2,4162	18.2186
Nitrous Oxide	0.1013	No Data	0.1009
PM-CON	0.0000	No Data	0.0000
PM10	11.9273	0.0050	11.9245
PM2.5	2.5820	0.0050	2.5879
sox	42.6793	0.0003	42.6791
VOC	1.0701	0.0699	1.1400

### List of VOC HAPs

Pollutant	Sub Fac. Total	Misc. Emissions	<b>Facility Estimate</b>
Benzene	0.0002	No Data	0.0002
Butane	0.2447	No Data	0.2447
Formaldehyde	0.0081	No Data	0.0081
Hexane	0.2100	No Data	0.2100
Naphthalene	0.0000	No Data	0.0000
Pentane	0.3031	No Data	0.3031
Propane	0.1865	No Data	0.1865
Toluene	0.0003	No Data	0.0003
	0.000	VOC HAPs Total -	0.9529

# List of PM10 HAPs

Pollutant	Sub Fac. Total	Misc. Emissions	Facility Estimate
Arsenic	0.0000	No Data	0.0000
Barium	0.0001	No Data	0.0001
Cadmium	0.0000	No Data	0.0000
Chromium	0.0001	No Data	0.0001
Copper	0.0000	No Data	0.0000
Manganese	0.0000	No Data	0.0000
Mercury	0.0000	No Data	0.0000
Molybdenum	0.0000	No Data	0.0000
Nickel	0.0001	No Data	0.0001
Vanadium	0.0001	No Data	0.0001
Zinc	0.0022	No Data	0.0022
		PM10 HAPs Total -	0.0026

Criteria PM10 -

Criteria VOC -

11.9245

### List of Regulated / Exempt / Other Pollutants

Add a new record		to the same		-
Hydrogen Fluoride	0.1536	No Data	0.1536	lane (
Hydrochloric Acid	1.2290	No Data	1.2290	
Ethane	0.3614	No Data	0.3614	
Pollutant	Sub Fac. Total M	Misc. Emissions Fa	acility Estimate	Action

Pollutant Name	O CAS Number			
Select a Pollutant	~	No Data	No Data	

Save

Polutants listed in **bold** are required because they are either critria pollutants or were reported in the previous year.

Undo

Please Note: Before submitting this report, please check that the facility pollutant estimate is within 10% of the sum of sub facility emissions plus the amount of miscellaneous emissions for each pollutant, if the facility estimate value is more than 10 tons.

if (Facility Estimate) > ((Sub Fac. Total + misc. emissions) + 10 tons) then (facility estimate) must not be greater than ((sub facility total + misc. emissions) + 10%).

if (Facility Estimate) is less than (sub facility total + misc. emissions) then (facility estimate) must not be less than ((sub facility total + misc. Emissions) - 1%).

(Facility Estimate) for PM10 must not be less than (Facility Estimate) for PM2.5. (Facility Estimate) for PM10 must not be less than the sum of all "PM10 HAPs" facility level emission amounts. (Facility Estimate) for VOC must not be less than the sum of all facility level speciated VOCs in the "VOCs HAPs"

Pollutants in the "VOC HAPs" section include speciated VOC's that are not HAPs.

 $^{f}$  This denotes the use of an EPA factor for Manual Emissions on one or more Sub Facilities. After submission, the actual emission value will be based on the use of the factor during site calculations by DEP.

NOTE: Pollutants need to be reported to the greatest accuracy available with no de minimis amount. The units assumed for most pollutants are tons/year, with the following exceptions, which are assumed to be in lbs/year:

Dioxins (submit Lbs/Yr only)

Furans (submit Lbs/Yr only)

See instructions for specific pollutant reporting requirements.

PA Dept. of Environmental Protection

DEP Home | AQ Emissions Inventory Home | Contacts | Help | Logout





# Report In Progress

# al Protection lity

☆ Home

#### **Bookmarks**

Document Find Facility Details

**∃** Sub Facilities

Fuel Material Locations

Combustion Units

Incinerators

Processes

**Control Devices** 

■ Sub Facility: PROC 104

View Map

View Factors

SCC: 2-03-002-01

Add New Schedule

Schedule - 01/01/2021

#### Manual Emissions

Sub Facility/SCC Status Misc. Emissions Pollutant Summary Fuel Usage Summary





Return to Facility List

## 2021 Annual Emission Statement

Bookmark This Page

View Factors | New Note

Manual	Emissions	for 104	- EMERGENCY	<b>ENGINES</b>	BUILT	AF	TER
1/1/2009							

# List of Criteria/GHG Pollutants

ollutant	CAS	Calculation Method	
Ammonia	7664417	No Factor Available	~
со	630080	Dep Factor Used By Dep	~
Lead	7439921	No Factor Available	~
NOX	10102440	Dep Factor Used By Dep	~
PM-CON		No Factor Available	~
PM10		Dep Factor Used By Dep	~
PM2.5		No Factor Available	~
sox	7446095	Dep Factor Used By Dep	~
voc		Dep Factor Used By Dep	~
Carbon Dioxide	124389	Dep Factor Used By Dep	~
Methane	74828	Dep Factor Used By Dep	~
Nitrous Oxide	10024972	Dep Factor Used By Dep	~

unt	
Use Factor	Action
	Use Factor

0.0002

### Add a new record

Pollutant Name	O CAS Number				
Select a Pollutant		~	Select a Calculation Method	~	

0
֡

Pollutants that are listed in **bold** are required because they are either criteria pollutants or were reported in the previous year.

(Emission Amount) for PM10 must not be less than (Emission Amount) for PM2.5. (Emission Amount) for PM10 must not be less than the sum of all "PM10 HAPs" emission amounts. (Emission Amount) for VOC must not be less than the sum of all speciated VOCs in the "VOCs HAPs" section. Pollutants in the "VOC HAPs" section include speciated VOC's that are not HAPs.

denotes presence of EPA factor. If the 'use factor' **checkbox** is checked, the amount must be null and the system will automatically calculate the Emission amount using DEP SCC factor.

Number of the facility the previous year.

All HAPs must have a Manual Emission calculation method code and emission value (as applicable) OR the 'use factor' check box selected. The emission amount must be 0.0000, if Calculation Method is 'No Factor Available'.

**NOTE:** Pollutants need to be reported to the greatest accuracy available with no de minimis amount. The units assumed for most pollutants are tons/year, with the following exceptions, which are assumed to be in lbs/year: Dioxins (submit Lbs/Yr only)

Dioxins (submit Lbs/Yr only) Furans (submit Lbs/Yr only)

See instructions for specific pollutant reporting requirements.



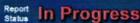
PROC - 104 - EMERGENCY ENGINES BUILT AFTER 1/1/2009











#### 2021 Annual Emission Statement

M Home

#### **Bookmarks**

Document Find Facility Details

■ Sub Facilities

Fuel Material Locations

Combustion Units

Incinerators

Processes

Control Devices

☐ Sub Facility: PROC 101

View Map

View Factors

SCC: 2-02-001-02

Add New Schedule

Schedule - 01/01/2021

SCC: 2-03-002-01

Add New Schedule

Schedule - 01/01/2021

Manual Emissions

Sub Facility/SCC Status

Misc. Emissions

**Pollutant Summary** 

Fuel Usage Summary





Return to Facility List

Factors for 101 - EMERGENCY ENGINES BUILT PRIOR TO 1/1/2009 by SCC

New Note

Note: Industry or source specific data (such as material balance) or testing data should be used if available and believed to be more accurate.

SCC: 2-02-001-02 - INTERNAL COMBUSTION ENGINES; INDUSTRIAL; DISTILLATE OIL (DIESEL); RECIPROCATING

Fuel: Diesel Fuel

Pollutant Name	Code	Factor (lbs/Unit)	Unit
co	co	130.0000	<b>Thousand Gallons</b>
Carbon Dioxide	CO2	22513.0000	<b>Thousand Gallons</b>
Methane	A303	0.9039	<b>Thousand Gallons</b>
NOX	NOX	604.0000	Thousand Gallons
Nitrous Oxide	N2O	0.1764	<b>Thousand Gallons</b>
PM10	PM10	42.5000	<b>Thousand Gallons</b>
SOX	SOX	39.7000	<b>Thousand Gallons</b>
TSP	TSP	42.5000	<b>Thousand Gallons</b>
VOC	VOC	32.1000	<b>Thousand Gallons</b>

 ${\tt SCC: 2-03-002-01-INTERNAL\ COMBUSTION\ ENGINES\ ;\ COMMERCIAL/INSTITUTIONAL\ ;\ NATURAL\ GAS\ ;}$  RECIPROCATING

Fuel: Natural Gas

Pollutant Name	Code	Factor (Ibs/Unit)	Unit
СО	CO	399.0000	Million Cubic Feet
Carbon Dioxide	CO2	120173.0000	Million Cubic Feet
Methane	A303	2.2663	Million Cubic Feet
NOX	NOX	2840.0000	Million Cubic Feet
Nitrous Oxide	N2O	0.2271	Million Cubic Feet
PM10	PM10	10.0000	Million Cubic Feet
sox	SOX	0.6000	Million Cubic Feet
TSP	TSP	10.0000	Million Cubic Feet
VOC	VOC	116.0000	Million Cubic Feet

† denotes percent (S)ulfur / (A)sh needed

PA Dept. of Environmental Protection

DEP Home | AQ Emissions Inventory Home | Contacts | Help | Logout