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

[New Note](#)

Tax ID/Plant Code: 23-2250505-10

PF Id: 254377

Region: MEADVILLE
County: Butler **Municipality:** Slippery Rock Borough
NAICS: 611310 - Colleges, Universities, and Professional Schools
Title V Fees: No

Contact	Name	Address	Telephone	E-mail Address
FIRM	H Carlson	Maintenance Center, Slippery Rock, PA-16057-1313	724-738-2545	
LOCAD		Maintenance Center, 1 Morrow Way Slippery Rock, PA-16057-1313	724-738-2545	
INSP	S Hawke	Maintenance Center, 1 Morrow Way Slippery Rock, PA-16057-1313	724-738-2649	SHANNON.HAWKE@SRU.EDU
PRMT	S Hawke	Maintenance Center, 1 Morrow Way Slippery Rock, PA-16057-1313	724-738-2649	SHANNON.HAWKE@SRU.EDU
REOFF	S Albert	Maintenance Center, 1 Morrow Way Slippery Rock, PA-16057-1313	724-738-4342	scott.albert@sru.edu

SITE LOCATION INFORMATION

Map: 0-40.32 **Latitude:** 41 deg, 03 min, 35.34 sec N
Elevation(Ft): 1350 **Longitude:** -80 deg, 02 min, 59.86 sec W
UTM Zone: 17 **UTM North:** 4545.62
UTM East: 579.83

For assistance, please call the DEP Service Desk at (717) 787-4357 between the hours of 7:30 AM and 5:00 PM or submit a service request online by clicking the following link: [Submit Service Request](#).

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Fuel Material Characteristics for: FM02 - NATURAL GAS

[New Note](#)

Date Installed: **Fuel Stored:** Natural Gas **Capacity:** 0 Unknown

Sub Facilities fed in 2021

- CU 031 BOILER 1
- CU 032 BOILER 2
- CU 033A BOILER 3
- CU 034A RETROFITTED BOILER 4
- CU 036 BOILER 5
- PROC 104 EMERGENCY ENGINES BUILT AFTER 1/1/2009

Fuel Details / Test Averages

Fuel / Material: Natural Gas
Percent Ash: 0.00 **Percent Sulfur:** 0.0000 **BTU(lb/gal/cu ft):** 1050

Fuel Test	Date Collected	% Ash	% Sulfur	BTU (lb/gal/cu ft)	Action
Fuel Test 1	<input type="text" value="01/01/2021"/>	<input type="text" value="0.00"/>	<input type="text" value="0.0000"/>	<input type="text" value="1050"/>	Remove

Add New Fuel Test

Fuel Test 2

If fuel test values are not available, please use the standard values: Ash:0; Sulfur:0; BTU:1050

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

New Note

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	Fuel Source: FM04
Percent Ash: 6.96	Percent Sulfur: 0.9667
BTU/(lb/gal/cu ft): 12728	



CU - 031 - BOILER 1



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Manual Emissions for 031 - BOILER 1

[View Factors](#) | [New Note](#)

List of Criteria/GHG Pollutants

Emission Amount

Pollutant	CAS	Calculation Method	(0.0 TPY)	Use Factor	Action
† Ammonia	7664417	Dep Factor Used By Dep	0.0034		
† CO	630080	Dep Factor Used By Dep	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	0.0000		
† SOX	7446095	Co. Stack Test Approved By Dep	11.3996		
† VOC		Dep Factor Used By Dep	0.0536		
† Carbon Dioxide	124389	Ap-42 Latest Available	1674.3711		
† Methane	74828	Dep Factor Used By Dep	0.0301		
† Nitrous Oxide	10024972	Ap-42 Latest Available	0.0226		

List of VOC HAPs

Pollutant	CAS	Calculation Method	(0.0 TPY)	Use Factor	Action
† Benzene	71432	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Butane	106978	Dep Factor Used By Dep	0.0137	<input type="checkbox"/>	
† Formaldehyde	50000	Dep Factor Used By Dep	0.0005	<input type="checkbox"/>	
† Hexane	110543	Dep Factor Used By Dep	0.0118	<input type="checkbox"/>	
† Naphthalene	91203	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Pentane	109660	Dep Factor Used By Dep	0.0170	<input type="checkbox"/>	
† Propane	74986	Dep Factor Used By Dep	0.0105	<input type="checkbox"/>	
† Toluene	108883	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	

VOC HAPs Total - 0.0535

Criteria VOC - 0.0536

List of PM10 HAPs

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

PM10 HAPs Total - 0.0001

List of Regulated / Exempt / Other Pollutants

Pollutant	CAS	Calculation Method	(0.0 TPY)	Use Factor	Action
† Ethane	74840	Dep Factor Used By Dep	0.0203	<input type="checkbox"/>	
† Hydrochloric Acid	7647010	Dep Factor Used By Dep	0.3021	<input type="checkbox"/>	
† Hydrogen Fluoride	7664393	Dep Factor Used By Dep	0.0378	<input type="checkbox"/>	

Add a new record

Pollutant Name CAS Number

-- Select a Pollutant -- -- Select a Calculation Method --

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 - 031 - BOILER 1



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Manual Emissions for 032 - BOILER 2

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List of Criteria/GHG Pollutants

Pollutant	CAS	Calculation Method	Emission Amount (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	Emission Amount (0.0 TPY)	Use Factor	Action
† Benzene	71432	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Butane	106978	Dep Factor Used By Dep	0.0152	<input type="checkbox"/>	
† Formaldehyde	50000	Dep Factor Used By Dep	0.0005	<input type="checkbox"/>	
† Hexane	110543	Dep Factor Used By Dep	0.0131	<input type="checkbox"/>	
† Naphthalene	91203	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Pentane	109660	Dep Factor Used By Dep	0.0189	<input type="checkbox"/>	
† Propane	74986	Dep Factor Used By Dep	0.0116	<input type="checkbox"/>	
† Toluene	108883	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	

VOC HAPs Total - 0.0593

Criteria VOC - 0.0694

List of PM10 HAPs

Pollutant	CAS	Calculation Method	Emission Amount (0.0 TPY)	Use Factor	Action
† Arsenic	7440382	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Barium	7440393	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Cadmium	7440439	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Chromium	7440473	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Copper	7440508	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Manganese	7439965	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Mercury	7439976	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Molybdenum	7439987	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Nickel	7440020	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Vanadium	7440622	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Zinc	7440666	Dep Factor Used By Dep	0.0001	<input type="checkbox"/>	

PM10 HAPs Total - 0.0001

List of Regulated / Exempt / Other Pollutants

Pollutant	CAS	Calculation Method	(0.0 TPY)	Use Factor	Action
† Ethane	74840	Dep Factor Used By Dep	0.0225	<input type="checkbox"/>	
† Hydrochloric Acid	7647010	Dep Factor Used By Dep	0.5059	<input type="checkbox"/>	
† Hydrogen Fluoride	7664393	Dep Factor Used By Dep	0.0632	<input type="checkbox"/>	

Add a new record

Pollutant Name CAS Number

-- Select a Pollutant -- -- Select a Calculation Method --

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 - 032 - BOILER 2



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Manual Emissions for 033A - BOILER 3

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List of Criteria/GHG Pollutants

Emission Amount

Pollutant	CAS	Calculation Method	(0.0 TPY)	Use Factor	Action
† Ammonia	7664417	Dep Factor Used By Dep	0.0143		
† CO	630080	Co. Stack Test Approved By Dep	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 Factor	Action
† Benzene	71432	Dep Factor Used By Dep	0.0001	<input type="checkbox"/>	
† Butane	106978	Dep Factor Used By Dep	0.0611	<input type="checkbox"/>	
† Formaldehyde	50000	Dep Factor Used By Dep	0.0020	<input type="checkbox"/>	
† Hexane	110543	Dep Factor Used By Dep	0.0524	<input type="checkbox"/>	
† Naphthalene	91203	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Pentane	109660	Dep Factor Used By Dep	0.0756	<input type="checkbox"/>	
† Propane	74986	Dep Factor Used By Dep	0.0465	<input type="checkbox"/>	
† Toluene	108883	Dep Factor Used By Dep	0.0001	<input type="checkbox"/>	

VOC HAPs Total - 0.2378

Criteria VOC - 0.2378

List of PM10 HAPs

Pollutant	CAS	Calculation Method	(0.0 TPY)	Use Factor	Action
† Arsenic	7440382	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Barium	7440393	Dep Factor Used By Dep	0.0001	<input type="checkbox"/>	
† Cadmium	7440439	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Chromium	7440473	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Copper	7440508	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Manganese	7439965	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Mercury	7439976	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Molybdenum	7439987	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Nickel	7440020	Dep Factor Used By Dep	0.0001	<input type="checkbox"/>	
† Vanadium	7440622	Dep Factor Used By Dep	0.0001	<input type="checkbox"/>	
† Zinc	7440666	Dep Factor Used By Dep	0.0006	<input type="checkbox"/>	

PM10 HAPs Total - 0.0009

List of Regulated / Exempt / Other Pollutants

Pollutant	CAS	Calculation Method	(0.0 TPY)	Use Factor	Action
† Ethane	74840	Dep Factor Used By Dep	0.0902	<input type="checkbox"/>	

Add a new record

Pollutant Name CAS Number

-- Select a Pollutant -- -- Select a Calculation Method --

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



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Manual Emissions for 034A - RETROFITTED BOILER 4

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List of Criteria/GHG Pollutants

Pollutant	CAS	Calculation Method	Emission Amount (0.0 TPY)	Use Factor	Action
† Ammonia	7664417	Dep Factor Used By Dep	0.0033		
† CO	630080	Dep Factor Used By Dep	2.6306		
† Lead	7439921	Dep Factor Used By Dep	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	0.0000		
† SOX	7446095	Co. Stack Test Approved By Dep	14.2490		
† VOC		Dep Factor Used By Dep	0.0590		
† Carbon Dioxide	124389	Ap-42 Latest Available	2166.9888		
† Methane	74828	Dep Factor Used By Dep	0.0354		
† Nitrous Oxide	10024972	Ap-42 Latest Available	0.0312		

List of VOC HAPs

Pollutant	CAS	Calculation Method	Emission Amount (0.0 TPY)	Use Factor	Action
† Benzene	71432	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Butane	106978	Dep Factor Used By Dep	0.0131	<input type="checkbox"/>	
† Formaldehyde	50000	Dep Factor Used By Dep	0.0004	<input type="checkbox"/>	
† Hexane	110543	Dep Factor Used By Dep	0.0113	<input type="checkbox"/>	
† Naphthalene	91203	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Pentane	109660	Dep Factor Used By Dep	0.0163	<input type="checkbox"/>	
† Propane	74986	Dep Factor Used By Dep	0.0100	<input type="checkbox"/>	
† Toluene	108883	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
VOC HAPs Total -			0.0511		
Criteria VOC -			0.0590		

List of PM10 HAPs

Pollutant	CAS	Calculation Method	Emission Amount (0.0 TPY)	Use Factor	Action
† Arsenic	7440382	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Barium	7440393	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Cadmium	7440439	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Chromium	7440473	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Copper	7440508	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Manganese	7439965	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Mercury	7439976	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Molybdenum	7439987	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Nickel	7440020	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Vanadium	7440622	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Zinc	7440666	Dep Factor Used By Dep	0.0001	<input type="checkbox"/>	
PM10 HAPs Total -			0.0001		

List of Regulated / Exempt / Other Pollutants

Pollutant	CAS	Calculation Method	(0.0 TPY)	Use Factor	Action
† Ethane	74840	Dep Factor Used By Dep	0.0194	<input type="checkbox"/>	
† Hydrochloric Acid	7647010	Dep Factor Used By Dep	0.4210	<input type="checkbox"/>	
† Hydrogen Fluoride	7664393	Dep Factor Used By Dep	0.0526	<input type="checkbox"/>	

Add a new record

Pollutant Name 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 Go

For assistance, please call the DEP Service Desk at (717) 787-4357 between the hours of 7:30 AM and 5:00 PM or submit a service request online by clicking the following link: [Submit Service Request](#).

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Manual Emissions for 036 - BOILER 5

View Factors | New Note

List of Criteria/GHG Pollutants

Pollutant	CAS	Calculation Method	Emission Amount (0.0 TPY)	Use Factor	Action
† Ammonia	7664417	Dep Factor Used By Dep	0.0330		
† CO	630080	Co. Stack Test Approved By Dep	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		

List of VOC HAPs

Pollutant	CAS	Calculation Method	Emission Amount (0.0 TPY)	Use Factor	Action
† Benzene	71432	Dep Factor Used By Dep	0.0001	<input type="checkbox"/>	
† Butane	106978	Dep Factor Used By Dep	0.1416	<input type="checkbox"/>	
† Formaldehyde	50000	Dep Factor Used By Dep	0.0047	<input type="checkbox"/>	
† Hexane	110543	Dep Factor Used By Dep	0.1214	<input type="checkbox"/>	
† Naphthalene	91203	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Pentane	109660	Dep Factor Used By Dep	0.1753	<input type="checkbox"/>	
† Propane	74986	Dep Factor Used By Dep	0.1079	<input type="checkbox"/>	
† Toluene	108883	Dep Factor Used By Dep	0.0002	<input type="checkbox"/>	
VOC HAPs Total -			0.5512		
Criteria VOC -			0.5513		

List of PM10 HAPs

Pollutant	CAS	Calculation Method	Emission Amount (0.0 TPY)	Use Factor	Action
† Arsenic	7440382	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Barium	7440393	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Cadmium	7440439	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Chromium	7440473	Dep Factor Used By Dep	0.0001	<input type="checkbox"/>	
† Copper	7440508	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Manganese	7439965	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Mercury	7439976	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Molybdenum	7439987	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Nickel	7440020	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Vanadium	7440622	Dep Factor Used By Dep	0.0000	<input type="checkbox"/>	
† Zinc	7440666	Dep Factor Used By Dep	0.0013	<input type="checkbox"/>	
PM10 HAPs Total -			0.0014		

List of Regulated / Exempt / Other Pollutants

Pollutant	CAS	Calculation Method	(0.0 TPY)	Use Factor	Action
† Ethane	74840	Dep Factor Used By Dep	0.2090	<input type="checkbox"/>	

Add a new record

Pollutant Name 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 - 036 - BOILER 5

Go



For assistance, please call the DEP Service Desk at (717) 787-4357 between the hours of 7:30 AM and 5:00 PM or submit a service request online by clicking the following link: [Submit Service Request.](#)

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**Fuel Usage Summary for PA STATE SYS OF HIGHER ED/SLIPPERY
ROCK UNIV PA**

SCC Fuel Usage | [New Note](#)

Fuel Type	Total Use	Units	Action
Bituminous	2048.30	Tons	
Diesel Fuel	0.00	Thousand Gallons	
Natural Gas	114838.20	Thousand Cubic Feet	

Add New Fuel

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

For assistance, please call the DEP Service Desk at (717) 787-4357 between the hours of 7:30 AM and 5:00 PM or submit a service request online by clicking the following link: [Submit Service Request](#).



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Miscellaneous Emissions for PA STATE SYS OF HIGHER ED/SLIPPERY ROCK
UNIV PA

New Note

Sub Facility Name (Opt.)	Pollutant	Calculation Method	Amount (0.0 TPY)	Action
Campus Generato	CO	Dep Factor Used By Dep	0.1877	Remove
Campus Generato	NOX	Dep Factor Used By Dep	2.4162	Remove
Campus Generato	PM10	Dep Factor Used By Dep	0.0059	Remove
Campus Generato	SOX	Dep Factor Used By Dep	3.0E-4	Remove
Campus Generato	VOC	Dep Factor Used By Dep	0.0699	Remove
Campus Generato	PM2.5	Dep Factor Used By Dep	0.0059	Remove

Add a new record

Sub Facility Name (Opt.)
 Pollutant Name CAS Number
Calculation Method Amount

-- Select a Pollutant -- -- Select a Calculation Method --

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.

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Manual Emissions for 101 - EMERGENCY ENGINES BUILT PRIOR TO 1/1/2009

[View Factors](#) | [New Note](#)

List of Criteria/GHG Pollutants

Pollutant	CAS	Calculation Method	Emission Amount	
			(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 CAS Number

-- Select a Pollutant -- -- Select a Calculation Method --

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.

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Manual Emissions for 105 - PARTS WASHER

[View Factors](#) | [New Note](#)

List of Criteria/GHG Pollutants

Emission Amount

Pollutant	CAS	Calculation Method	(0.0 TPY)	Use Factor	Action
Ammonia	7664417	No Factor Available	0.0000	<input type="checkbox"/>	
CO	630080	No Factor Available	0.0000	<input type="checkbox"/>	
Lead	7439921	No Factor Available	0.0000	<input type="checkbox"/>	
NOX	10102440	No Factor Available	0.0000	<input type="checkbox"/>	
PM-CON		No Factor Available	0.0000	<input type="checkbox"/>	
PM10		No Factor Available	0.0000	<input type="checkbox"/>	
PM2.5		No Factor Available	0.0000	<input type="checkbox"/>	
SOX	7446095	No Factor Available	0.0000	<input type="checkbox"/>	
VOC		No Factor Available	0.0000	<input type="checkbox"/>	
Carbon Dioxide	124389	No Factor Available	0.0000	<input type="checkbox"/>	
Methane	74828	No Factor Available	0.0000	<input type="checkbox"/>	
Nitrous Oxide	10024972	No Factor Available	0.0000	<input type="checkbox"/>	

Add a new record

Pollutant Name CAS Number

-- Select a Pollutant -- -- Select a Calculation Method --

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.

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

New Note

List of Criteria/GHG Pollutants

Emission Amounts in Tons/Year (TPY)

Pollutant	Sub Fac. Total	Misc. Emissions	Facility Estimate	Action
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	0.0059	11.9245	
PM2.5	2.5820	0.0059	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	Facility Estimate	Action
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	
VOC HAPs Total -			0.9529	
Criteria VOC -			1.1400	

List of PM10 HAPs

Pollutant	Sub Fac. Total	Misc. Emissions	Facility Estimate	Action
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 -			11.9245	

List of Regulated / Exempt / Other Pollutants

Pollutant	Sub Fac. Total	Misc. Emissions	Facility Estimate	Action
Ethane	0.3614	No Data	<input type="text" value="0.3614"/>	
Hydrochloric Acid	1.2290	No Data	<input type="text" value="1.2290"/>	
Hydrogen Fluoride	0.1536	No Data	<input type="text" value="0.1536"/>	

Add a new record

Pollutant Name
 CAS Number

No Data

No Data

Save

Undo

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

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" section.

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.

For assistance, please call the DEP Service Desk at (717) 787-4357 between the hours of 7:30 AM and 5:00 PM or submit a service request online by clicking the following link: [Submit Service Request](#).

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Manual Emissions for 104 - EMERGENCY ENGINES BUILT AFTER 1/1/2009

[View Factors](#) | [New Note](#)

List of Criteria/GHG Pollutants

Pollutant	CAS	Calculation Method	Emission Amount (0.0 TPY)	Use Factor	Action
Ammonia	7664417	No Factor Available	0.0000		
† CO	630080	Dep Factor Used By Dep	0.1252		
Lead	7439921	No Factor Available	0.0000		
† NOX	10102440	Dep Factor Used By Dep	2.0791		
PM-CON		No Factor Available	0.0000		
† PM10		Dep Factor Used By Dep	0.0040		
PM2.5		No Factor Available	0.0000		
† SOX	7446095	Dep Factor Used By Dep	0.0002		
† VOC		Dep Factor Used By Dep	0.0432		
† Carbon Dioxide	124389	Dep Factor Used By Dep	96.8600		
† Methane	74828	Dep Factor Used By Dep	0.0018		
† Nitrous Oxide	10024972	Dep Factor Used By Dep	0.0002		

Add a new record

Pollutant Name CAS Number

-- Select a Pollutant -- -- Select a Calculation Method --

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

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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	Thousand Gallons
Carbon Dioxide	CO2	22513.0000	Thousand Gallons
Methane	A303	0.9039	Thousand Gallons
NOX	NOX	604.0000	Thousand Gallons
Nitrous Oxide	N2O	0.1764	Thousand Gallons
PM10	PM10	42.5000	Thousand Gallons
SOX	SOX	39.7000	Thousand Gallons
TSP	TSP	42.5000	Thousand Gallons
VOC	VOC	32.1000	Thousand Gallons

SCC: 2-03-002-01 - INTERNAL COMBUSTION ENGINES ; COMMERCIAL/INSTITUTIONAL ; NATURAL GAS ; RECIPROCATING

Fuel: Natural Gas

Pollutant Name	Code	Factor (lbs/Unit) †	Unit
CO	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

For assistance, please call the DEP Service Desk at (717) 787-4357 between the hours of 7:30 AM and 5:00 PM or submit a service request online by clicking the following link: [Submit Service Request](#).