				•				
Input For	m For: 2017			Tax I	D/Plant Coc	le: 23	-2250505	5-10
PA STAT	E SYS OF HIG	HER ED/SL	IPPERY ROCK UNIV PA	PF ID):	25	4377	
Region:	MEADVILLE	C	county: Butler	Μ	unicipality:	Slippe	ery Rock	Boro
SIC:	8221 - Services	- Colleges	And Universities					
NAICS:	611310 - Colleg	ges, Univers	sities, and Professional Sch	ools				
Contact	Name	Addres	9				Teler	ohone
FIRM	H Carlson		ance Center, Slippery Roc	k. PA - 1605	7-1313		-	738-2545
LOCAD			ance Center, 1 Morrow Wa			6057-13		
INSP	J Anderson		ance Center, 1 Morrow Wa					
PRMT	J Anderson		ance Center, 1 Morrow Wa					
REOFF	S Albert	Mainten	ance Center, 1 Morrow Wa	ay, Slippery F	Rock, PA - 16	6057-13	13 724-7	738-4342
			FACILITY LOCATION IN	FORMATIO	N			
Map:	0-40.32	Latitude:	41 deg, 03 min, 35.34 se	cNU"	TM Coordin	ates:	North:	4545.62
Elevation	(Ft): 1350	Longitude	: -80 deg, 02 min, 59.86 s	ec W Zo	one: 17		East:	579.83
			FACILITY POLLUTANT	SUMMARY				
		(SUM OF	INDIVIDUAL AND MISCE		SOURCES)			
		•	MISSION ESTIMATES (0.					
CO			12.2067	-	-			
Carbon Di	oxide		12,665.3539					
—								

Carbon Dioxide 12,665.3539 Lead 0.0185 Methane 0.3082 NOX 21.1483 Nitrous Oxide 0.1268 PM-CON 0.0000 PM10 18.2364 PM2.5 9.1211 SOX 67.8917 VOC 0.0000 Barium 0.0000 Barium 0.0000 Benzene 0.0001 Butane 0.2081 Cadmium 0.0000 Chromium 0.0001 Chromium 0.0000 Ethane 0.3072 Formaldehyde 0.0000 Hydrochloric Acid 1.6063 Hydrogen Fluoride 0.2028 Manganese 0.0000 Manganese 0.0000 Naphthalene 0.0000 Notkel 0.0000 Notkel 0.0000 Nother and 0.0000 Nother and 0.0000 Pornaldehyde 0.2222 Molybdenum<	00	12.2007
Methane 0.3082 NOX 21.1483 Nitrous Oxide 0.1268 PM-CON 0.0000 PM10 18.2364 PM2.5 9.1211 SOX 67.8917 VOC 0.8775 Arsenic 0.0000 Barium 0.0002 Benzene 0.0001 Butane 0.2081 Cadmium 0.0000 Chromium 0.0000 Chromium 0.0001 Copper 0.0000 Ethane 0.3072 Formaldehyde 0.0000 Hydrochloric Acid 1.6063 Hydrogen Fluoride 0.2008 Manganese 0.0000 Metrury 0.2222 Molybdenum 0.0000 Napthhalene 0.0000 Nickel 0.0000 Nickel 0.0001 Pentane 0.2577 Propane 0.1585 Toluene 0.0002	Carbon Dioxide	12,665.3539
NOX 21.1483 Nitrous Oxide 0.1268 PM-CON 0.0000 PM10 18.2364 PM2.5 9.1211 SOX 67.8917 VOC 0.8775 Arsenic 0.0000 Barium 0.0002 Benzene 0.0001 Butane 0.2081 Cadmium 0.0000 Chromium 0.0000 Chromium 0.0000 Chrane 0.3072 Formaldehyde 0.0000 Hydrochloric Acid 1.6063 Hydrogen Fluoride 0.2088 Manganese 0.0000 Mercury 0.2222 Molybdenum 0.0000 Netkel 0.0000 Notkel 0.0000 Notkel 0.0001 Pentane 0.2577 Propane 0.1585 Toluene 0.0002	Lead	0.0185
Nitrous Oxide 0.1268 PM-CON 0.0000 PM10 18.2364 PM2.5 9.1211 SOX 67.8917 VOC 0.8775 Arsenic 0.0000 Barium 0.0002 Benzene 0.0001 Butane 0.2081 Cadmium 0.0000 Chromium 0.0001 Copper 0.0000 Ethane 0.3072 Formaldehyde 0.0069 Hexane 0.1784 Hydrochloric Acid 1.6063 Hydrogen Fluoride 0.2028 Manganese 0.0000 Nercury 0.2222 Molybdenum 0.0000 Naphthalene 0.0000 Nickel 0.0000 Pentane 0.2577 Propane 0.1585 Toluene 0.0002	Methane	0.3082
PM-CON 0.0000 PM10 18.2364 PM2.5 9.1211 SOX 67.8917 VOC 0.8775 Arsenic 0.0000 Barium 0.0002 Benzene 0.0001 Butane 0.2081 Cadmium 0.0000 Chromium 0.0001 Copper 0.0001 Ethane 0.3072 Formaldehyde 0.0000 Hexane 0.1784 Hydrochloric Acid 1.6063 Hydrogen Fluoride 0.2022 Molybdenum 0.0000 Naganese 0.0000 Nercury 0.2222 Molybdenum 0.0000 Naphthalene 0.0000 Nickel 0.0000 Pentane 0.2577 Propane 0.1585 Toluene 0.0002	NOX	21.1483
PM10 18.2364 PM2.5 9.1211 SOX 67.8917 VOC 0.8775 Arsenic 0.0000 Barium 0.0002 Benzene 0.0001 Butane 0.2081 Cadmium 0.0000 Chromium 0.0000 Chromium 0.0001 Copper 0.0000 Ethane 0.3072 Formaldehyde 0.0069 Hexane 0.1784 Hydrochloric Acid 1.6063 Hydrogen Fluoride 0.2008 Manganese 0.0000 Naphthalene 0.0000 Naphthalene 0.0000 Nickel 0.0000 Pentane 0.2577 Propane 0.1585 Toluene 0.0002	Nitrous Oxide	0.1268
PM2.5 9.1211 SOX 67.8917 VOC 0.8775 Arsenic 0.0000 Barium 0.0002 Benzene 0.0001 Butane 0.2081 Cadmium 0.0000 Chromium 0.0000 Chromium 0.0001 Copper 0.0000 Ethane 0.3072 Formaldehyde 0.0069 Hexane 0.1784 Hydrochloric Acid 1.6063 Hydrogen Fluoride 0.2008 Manganese 0.0000 Naphthalene 0.0000 Naphthalene 0.0000 Nickel 0.0001 Pentane 0.2577 Propane 0.1585 Toluene 0.0002	PM-CON	0.0000
SOX 67.8917 VOC 0.8775 Arsenic 0.0000 Barium 0.0002 Benzene 0.0001 Butane 0.2081 Cadmium 0.0000 Chromium 0.0001 Copper 0.0000 Ethane 0.3072 Formaldehyde 0.0069 Hexane 0.1784 Hydrochloric Acid 1.6063 Hydrogen Fluoride 0.2008 Manganese 0.0000 Naphthalene 0.0000 Nickel 0.0000 Pentane 0.2577 Propane 0.1585 Toluene 0.0002	PM10	18.2364
VOC 0.8775 Arsenic 0.0000 Barium 0.0002 Benzene 0.0001 Butane 0.2081 Cadmium 0.0000 Chromium 0.0001 Copper 0.0001 Ethane 0.3072 Formaldehyde 0.0069 Hexane 0.1784 Hydrochloric Acid 1.6063 Hydrogen Fluoride 0.2008 Manganese 0.0000 Nercury 0.2222 Molybdenum 0.0000 Nickel 0.0000 Pentane 0.2577 Propane 0.1585 Toluene 0.0002	PM2.5	9.1211
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Barium 0.0002 Benzene 0.0001 Butane 0.2081 Cadmium 0.0000 Chromium 0.0001 Copper 0.0000 Ethane 0.3072 Formaldehyde 0.0069 Hexane 0.1784 Hydrochloric Acid 1.6063 Hydrogen Fluoride 0.2008 Manganese 0.0000 Nercury 0.22222 Molybdenum 0.0000 Nickel 0.0000 Pentane 0.2577 Propane 0.1585 Toluene 0.0002	VOC	0.8775
Benzene 0.0001 Butane 0.2081 Cadmium 0.0000 Chromium 0.0001 Copper 0.0000 Ethane 0.3072 Formaldehyde 0.0069 Hexane 0.1784 Hydrochloric Acid 1.6063 Hydrogen Fluoride 0.2008 Manganese 0.0000 Nercury 0.2222 Molybdenum 0.0000 Nickel 0.0001 Pentane 0.2577 Propane 0.1585 Toluene 0.0002	Arsenic	0.0000
Butane 0.2081 Cadmium 0.0000 Chromium 0.0001 Copper 0.0000 Ethane 0.3072 Formaldehyde 0.0069 Hexane 0.1784 Hydrochloric Acid 1.6063 Hydrogen Fluoride 0.2008 Manganese 0.0000 Nercury 0.2222 Molybdenum 0.0000 Nickel 0.0001 Pentane 0.2577 Propane 0.1585 Toluene 0.0002	Barium	0.0002
Cadmium 0.0000 Chromium 0.0001 Copper 0.0000 Ethane 0.3072 Formaldehyde 0.0069 Hexane 0.1784 Hydrochloric Acid 1.6063 Hydrogen Fluoride 0.2008 Manganese 0.0000 Mercury 0.2222 Molybdenum 0.0000 Naphthalene 0.0001 Pentane 0.2577 Propane 0.1585 Toluene 0.0002	Benzene	0.0001
Chromium 0.0001 Copper 0.0000 Ethane 0.3072 Formaldehyde 0.0069 Hexane 0.1784 Hydrochloric Acid 1.6063 Hydrogen Fluoride 0.2008 Manganese 0.0000 Mercury 0.2222 Molybdenum 0.0000 Naphthalene 0.0000 Nickel 0.0001 Pentane 0.1585 Toluene 0.0002	Butane	0.2081
Copper 0.0000 Ethane 0.3072 Formaldehyde 0.0069 Hexane 0.1784 Hydrochloric Acid 1.6063 Hydrogen Fluoride 0.2008 Manganese 0.0000 Mercury 0.2222 Molybdenum 0.0000 Naphthalene 0.0000 Nickel 0.0001 Pentane 0.1585 Toluene 0.0002	Cadmium	0.0000
Ethane0.3072Formaldehyde0.0069Hexane0.1784Hydrochloric Acid1.6063Hydrogen Fluoride0.2008Manganese0.0000Mercury0.2222Molybdenum0.0000Naphthalene0.0000Nickel0.0001Pentane0.2577Propane0.1585Toluene0.0002	Chromium	0.0001
Formaldehyde0.0069Hexane0.1784Hydrochloric Acid1.6063Hydrogen Fluoride0.2008Manganese0.0000Mercury0.2222Molybdenum0.0000Naphthalene0.0000Nickel0.0001Pentane0.2577Propane0.1585Toluene0.0002	Copper	0.0000
Hexane0.1784Hydrochloric Acid1.6063Hydrogen Fluoride0.2008Manganese0.0000Mercury0.2222Molybdenum0.0000Naphthalene0.0000Nickel0.0001Pentane0.2577Propane0.1585Toluene0.0002	Ethane	0.3072
Hydrochloric Acid1.6063Hydrogen Fluoride0.2008Manganese0.0000Mercury0.2222Molybdenum0.0000Naphthalene0.0000Nickel0.0001Pentane0.2577Propane0.1585Toluene0.0002	Formaldehyde	0.0069
Hydrogen Fluoride0.2008Manganese0.0000Mercury0.2222Molybdenum0.0000Naphthalene0.0000Nickel0.0001Pentane0.2577Propane0.1585Toluene0.0002	Hexane	0.1784
Manganese0.0000Mercury0.2222Molybdenum0.0000Naphthalene0.0000Nickel0.0001Pentane0.2577Propane0.1585Toluene0.0002	Hydrochloric Acid	1.6063
Mercury 0.2222 Molybdenum 0.0000 Naphthalene 0.0000 Nickel 0.0001 Pentane 0.2577 Propane 0.1585 Toluene 0.0002	Hydrogen Fluoride	0.2008
Molybdenum 0.0000 Naphthalene 0.0000 Nickel 0.0001 Pentane 0.2577 Propane 0.1585 Toluene 0.0002		0.0000
Naphthalene0.0000Nickel0.0001Pentane0.2577Propane0.1585Toluene0.0002	Mercury	0.2222
Nickel 0.0001 Pentane 0.2577 Propane 0.1585 Toluene 0.0002	Molybdenum	0.0000
Pentane 0.2577 Propane 0.1585 Toluene 0.0002		0.0000
Propane 0.1585 Toluene 0.0002	Nickel	0.0001
Toluene 0.0002	Pentane	0.2577
	Propane	0.1585
Vanadium 0.0001	Toluene	0.0002
	Vanadium	0.0001

FACILITY POLLUTANT SUMMARY (SUM OF INDIVIDUAL AND MISCELLANEOUS SOURCES) EMISSION ESTIMATES (0.0 TONS/YEAR)

Zinc	0.0020
Ammonia	0.0494

FUEL USAGE SUMMARY

Fuel Type	Total Use
Bituminous	2677.13 Tons
Natural Gas	96406100 CF

SUB FACILITIES INCLUDED

Туре	SF	Name
FML	FM01	Bituminous Coal Feed Hopper (Pea Stoker)
FML	FM02	Natural Gas
FML	FM04	Bituminous Coal (Nut)
CU	031	Boiler 1
CU	032	Boiler 2
CU	033A	Boiler 3
CU	034A	Retrofitted Boiler 4

Fuel Location:	FM01	Bituminous Co	oal Feed	Hopper (Pea	a Stoker)	SF Type:	FML
Date Installed:	01/01/1960	Fuel Stored:	Bitumino	bus		Capacity:	50 Tons
Sources fed in	2017:						
034A RE	TROFITTED B	OILER 4					
034 BO	ILER 4						
2017 Fuel Tests	S:						
Date Collected:	: 02/14/2017	% Ash:	8.82	% Sulfur:	0.89	BTU(Lb/Gal/C	uFt): 13516
Date Collected:	: 04/20/2017	% Ash:	8.95	% Sulfur:	1.13	BTU(Lb/Gal/C	uFt): 13436
Date Collected:	: 05/17/2017	% Ash:	8.54	% Sulfur:	1.10	BTU(Lb/Gal/C	uFt): 13491
						0 F T	

Fuel Locati	ion: FM02	Natural Gas				SF Type:	FML	
Date Instal	led:	Fuel Stored:	Natural G	as		Capacity:		
Sources fe	d in 2017:							
031	BOILER 1							
032	BOILER 2							
033A	BOILER 3							
034A	RETROFITTED	BOILER 4						
2017 Fuel		7 0/ Aob.	0.00	9/ Sulfur	0.00			
Date Colle	cted: 01/01/201	7 % Ash :	0.00	% Sulfur:	0.00	BTU(Lb/Gal/C	u Ft): 1050	

Input Form For: 2017 PA STATE SYS OF HIGHE	R ED/SLIPPERY ROCK UNIV PA	Tax ID/Plant Code: 23-2250505-10 PF ID: 254377			
Fuel Location: FM04	Bituminous Coal (Nut)	SF Type: FML			
Date Installed:	Fuel Stored: Bituminous	Capacity: 100 Tons			
Sources fed in 2017: 031 BOILER 1 032 BOILER 2					
2017 Fuel Tests:					
Date Collected: 02/14/20	17 % Ash: 8.82 % Sulfur:	0.89 BTU(Lb/Gal/CuFt): 13516			
Date Collected: 04/20/20	17 % Ash: 8.95 % Sulfur:	1.13 BTU(Lb/Gal/CuFt): 13436			
Date Collected: 05/17/20	17 % Ash: 8.54 % Sulfur:	1.10 BTU(Lb/Gal/CuFt): 13491			

Input Form For: 2017	Tax ID/Plant Code:	23-2250505-10
PA STATE SYS OF HIGHER ED/SLIPPERY ROCK UNIV PA	PF ID:	254377

Sub Facilty: 032 Boiler 2

Rated Input (MMBTU/HR): 35

Fuel: **Bituminous** Fuel Data Based on FML: FM04

SCC: 10300207 - External Combustion Boilers;Commercial/Institutional;Bituminous/Subbituminous Coal; Overfeed Stoker (Bitumino Burned

Monthly Throughputs in Tons					
SCHEDULE 1	JAN:	229.70	JUL:	6.70	
Date Effective: 01/01/2017	FEB:	246.45	AUG:	0.00	
Date End: 12/31/2017	MAR:	221.40	SEP:	0.00	
Total Days: 211	APR:	9.05	OCT:	0.00	
Total Hours: 5064	MAY:	20.05	NOV:	0.00	
Days Per Week: 7	JUN:	47.25	DEC:	243.35	

Fuel: Natural Gas Fuel Data Based on FML: FM02

SCC: 10300602 - External Combustion Boilers;Commercial/Institutional;Natural Gas;10-100 Million Btu/Hr Burned

Monthly Throughputs in CF						
SCHEDULE 1	JAN: 2,697,000.00	JUL:	742,000.00			
Date Effective: 01/01/2017	FEB: 2,461,000.00	AUG:	0.00			
Date End: 12/31/2017	MAR: 2,679,000.00	SEP:	0.00			
Total Days: 211	APR: 1,915,000.00	OCT:	0.00			
Total Hours: 5064	MAY: 4,496,000.00	NOV:	0.00			
Days Per Week: 7	JUN: 4,615,000.00	DEC:	2,902,000.00			

Page 4

SF Type: CU

Date Installed: 01/01/1951

 Tax ID/Plant Code:
 23-2250505-10

 PF ID:
 254377

Sub Facilty: 032 Boiler 2

SF Type: CU

Actual Emission Estimates (Tons/Yr) For Emission Fees And Emission Statements:

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
* Ammonia	7664417	0.0116	DEP FACTOR USED BY DEP	
* CO	630080	5.0154	DEP FACTOR USED BY DEP	
* Carbon Dioxide	124389	3,981.0195	AP-42 LATEST AVAILABLE	
* Lead	7439921	0.0071	DEP FACTOR USED BY DEP	
* Methane	74828	0.0839	OTHER CO. TEST APPROVED BY DEP	
* NOX	10102440	7.6508	CO. STACK TEST APPROVED BY DEP	
* Nitrous Oxide	10024972	0.0470	AP-42 LATEST AVAILABLE	
PM-CON		0.0000	NO FACTOR AVAILABLE	
* PM10		8.6291	CO. STACK TEST APPROVED BY DEP	
PM2.5		4.3146	DEP FACTOR USED BY DEP	
* SOX	7446095	28.8474	CO. STACK TEST APPROVED BY DEP	
* VOC		0.1890	DEP FACTOR USED BY DEP	
* Arsenic	7440382	0.0000	DEP FACTOR USED BY DEP	
* Barium	7440393	0.0000	DEP FACTOR USED BY DEP	
* Benzene	71432	0.0000	DEP FACTOR USED BY DEP	
* Butane	106978	0.0486	DEP FACTOR USED BY DEP	
* Cadmium	7440439	0.0000	DEP FACTOR USED BY DEP	
* Chromium	7440473	0.0000	DEP FACTOR USED BY DEP	
* Copper	7440508	0.0000	DEP FACTOR USED BY DEP	
* Ethane	74840	0.0717	DEP FACTOR USED BY DEP	
* Formaldehyde	50000	0.0016	DEP FACTOR USED BY DEP	
* Hexane	110543	0.0416	DEP FACTOR USED BY DEP	
* Hydrochloric Acid	7647010	0.6144	DEP FACTOR USED BY DEP	
* Hydrogen Fluoride	7664393	0.0768	DEP FACTOR USED BY DEP	
* Manganese	7439965	0.0000	DEP FACTOR USED BY DEP	
* Mercury	7439976	0.0850	DEP FACTOR USED BY DEP	
* Molybdenum	7439987	0.0000	DEP FACTOR USED BY DEP	
* Naphthalene	91203	0.0000	DEP FACTOR USED BY DEP	
* Nickel	7440020	0.0000	DEP FACTOR USED BY DEP	
* Pentane	109660		DEP FACTOR USED BY DEP	
* Propane	74986	0.0370	DEP FACTOR USED BY DEP	
* Toluene	108883	0.0000	DEP FACTOR USED BY DEP	
* Vanadium	7440622	0.0000	DEP FACTOR USED BY DEP	
* Zinc * SCC Factor Exists	7440666	0.0005	DEP FACTOR USED BY DEP	

* SCC Factor Exists

Input Form For: 2017

PA STATE SYS OF HIGHER ED/SLIPPERY ROCK UNIV PA

Tax ID/Plant Code: 23-2250505-10 PF ID:

254377

Sub Facilty: 033A Boiler 3

Rated Input (MMBTU/HR):

Fuel: Natural Gas SF Type: CU

Date Installed: 01/01/1964

Fuel Data Based on FML: FM02

SCC: 10200602 - External Combustion Boilers;Industrial;Natural Gas;10-100 Million Btu/Hr Burned

Monthly Throughputs in CF						
SCHEDULE 1	JAN:	0.00	JUL:	1,811,100.00		
Date Effective: 01/01/2017	FEB:	0.00	AUG:	7,361,000.00		
Date End: 12/31/2017	MAR:	0.00	SEP:	8,374,000.00		
Total Days: 245	APR:	0.00	OCT:	8,863,000.00		
Total Hours: 5880		5,220,000.00		7,231,000.00		
Days Per Week: 7	JUN:	2,929,000.00	DEC:	8,568,000.00		

Actual Emission Estimates (Tons/Yr) For Emission Fees And Emission Statements:

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
* Ammonia	7664417	0.0254	DEP FACTOR USED BY DEP	
* CO	630080	0.0129	CO. STACK TEST APPROVED BY DEP	
* Carbon Dioxide	124389	3,025.7869	AP-42 LATEST AVAILABLE	
* Lead	7439921	0.0000	DEP FACTOR USED BY DEP	
* Methane	74828	0.1191	DEP FACTOR USED BY DEP	
* NOX	10102440	0.8671	CO. STACK TEST APPROVED BY DEP	
* Nitrous Oxide	10024972	0.0052	AP-42 LATEST AVAILABLE	
PM-CON		0.0000	NO FACTOR AVAILABLE	
* PM10		0.1553	DEP FACTOR USED BY DEP	
PM2.5		0.0777	DEP FACTOR USED BY DEP	
* SOX	7446095	0.0311	DEP FACTOR USED BY DEP	
* VOC		0.4232	DEP FACTOR USED BY DEP	
* Arsenic	7440382	0.0000	DEP FACTOR USED BY DEP	
* Barium	7440393	0.0002	DEP FACTOR USED BY DEP	
* Benzene	71432	0.0001	DEP FACTOR USED BY DEP	
* Butane	106978	0.1087	DEP FACTOR USED BY DEP	
* Cadmium	7440439	0.0000	DEP FACTOR USED BY DEP	
* Chromium	7440473	0.0001	DEP FACTOR USED BY DEP	
* Copper	7440508	0.0000	DEP FACTOR USED BY DEP	
* Ethane	74840	0.1605	DEP FACTOR USED BY DEP	
* Formaldehyde	50000	0.0036	DEP FACTOR USED BY DEP	
* Hexane	110543	0.0932	DEP FACTOR USED BY DEP	
* Manganese	7439965	0.0000	DEP FACTOR USED BY DEP	
* Mercury	7439976	0.0000	DEP FACTOR USED BY DEP	
* Molybdenum	7439987	0.0000	DEP FACTOR USED BY DEP	
* Naphthalene	91203	0.0000	DEP FACTOR USED BY DEP	
* Nickel	7440020	0.0001	DEP FACTOR USED BY DEP	
* Pentane	109660	0.1346	DEP FACTOR USED BY DEP	
* Propane	74986	0.0828	DEP FACTOR USED BY DEP	
* Toluene	108883	0.0002	DEP FACTOR USED BY DEP	
* Vanadium	7440622	0.0001	DEP FACTOR USED BY DEP	
* Zinc	7440666	0.0010	DEP FACTOR USED BY DEP	
* SCC Factor Exists	I	1	1	1

SCC Factor Exists

Input Form For: 2017	Tax ID/Plant Code:	23-2250505-10
PA STATE SYS OF HIGHER ED/SLIPPERY ROCK UNIV PA	PF ID:	254377

Sub Facilty: 034A Retrofitted Boiler 4

SF Type: CU Date Installed:

Rated Input (MMBTU/HR): 35.5 **Fuel:** Bituminous

Fuel Data Based on FML: FM01

SCC: 10200205 - External Combustion Boilers;Industrial;Bituminous/Subbituminous Coal;Overfeed Stoker Burned

Monthly Throughputs in Tons					
SCHEDULE 1	JAN:	188.80	JUL:	0.00	
Date Effective: 01/01/2017	FEB:	0.00	AUG:	0.00	
Date End: 12/31/2017	MAR:	264.30	SEP:	0.00	
Total Days: 123	APR:	320.05	OCT:	0.00	
Total Hours: 2952	MAY:	24.90	NOV:	0.00	
Days Per Week: 7	JUN:	0.00	DEC:	0.00	

Fuel: Natural Gas

Fuel Data Based on FML: FM02

SCC: 10200602 - External Combustion Boilers;Industrial;Natural Gas;10-100 Million Btu/Hr Burned

Monthly Throughputs in CF						
SCHEDULE 1	JAN:	2,135,000.00	JUL:	0.00		
Date Effective: 01/01/2017	FEB:	2,907,000.00	AUG:	0.00		
Date End: 12/31/2017	MAR:	2,422,000.00	SEP:	0.00		
Total Days: 123	APR:	1,779,000.00	OCT:	0.00		
Total Hours: 2952	MAY:	149,000.00	NOV:	0.00		
Days Per Week: 7	JUN:	0.00	DEC:	0.00		

Sub Facilty: 034A Retrofitted Boiler 4

Actual Emission Estimates (Tons/Yr) For Emission Fees And Emission Statements:

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
* Ammonia	7664417	• •	DEP FACTOR USED BY DEP	
* CO	630080		DEP FACTOR USED BY DEP	
* Carbon Dioxide	124389		AP-42 LATEST AVAILABLE	
* Lead	7439921	,	DEP FACTOR USED BY DEP	
* Methane	74828		DEP FACTOR USED BY DEP	
* NOX	10102440		CO. STACK TEST APPROVED BY DEP	
* Nitrous Oxide	10024972		AP-42 LATEST AVAILABLE	
PM-CON		0.0000	NO FACTOR AVAILABLE	
* PM10			CO. STACK TEST APPROVED BY DEP	
PM2.5		2.7651	DEP FACTOR USED BY DEP	
* SOX	7446095	17.6660	CO. STACK TEST APPROVED BY DEP	
* VOC		0.0810	DEP FACTOR USED BY DEP	
* Arsenic	7440382	0.0000	DEP FACTOR USED BY DEP	
* Barium	7440393	0.0000	DEP FACTOR USED BY DEP	
* Benzene	71432	0.0000	DEP FACTOR USED BY DEP	
* Butane	106978	0.0203	DEP FACTOR USED BY DEP	
* Cadmium	7440439	0.0000	DEP FACTOR USED BY DEP	
* Chromium	7440473	0.0000	DEP FACTOR USED BY DEP	
* Copper	7440508	0.0000	DEP FACTOR USED BY DEP	
* Ethane	74840	0.0299	DEP FACTOR USED BY DEP	
* Formaldehyde	50000	0.0007	DEP FACTOR USED BY DEP	
* Hexane	110543	0.0174	DEP FACTOR USED BY DEP	
* Hydrochloric Acid	7647010	0.4788	DEP FACTOR USED BY DEP	
* Hydrogen Fluoride	7664393	0.0599	DEP FACTOR USED BY DEP	
* Manganese	7439965	0.0000	DEP FACTOR USED BY DEP	
* Mercury	7439976	0.0662	DEP FACTOR USED BY DEP	
* Molybdenum	7439987	0.0000	DEP FACTOR USED BY DEP	
* Naphthalene	91203	0.0000	DEP FACTOR USED BY DEP	
* Nickel	7440020	0.0000	DEP FACTOR USED BY DEP	
* Pentane	109660	0.0251	DEP FACTOR USED BY DEP	
* Propane	74986	0.0154	DEP FACTOR USED BY DEP	
* Toluene	108883	0.0000	DEP FACTOR USED BY DEP	
* Vanadium	7440622	0.0000	DEP FACTOR USED BY DEP	
* Zinc	7440666	0.0002	DEP FACTOR USED BY DEP	

* SCC Factor Exists

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 Tax ID/Plant Code:
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 PF ID:
 254377

Tax ID/Diant Codes

SF Type: CU

Input Form For: 2017 Tax ID/Plant Code: 23-2250505-10 PA STATE SYS OF HIGHER ED/SLIPPERY ROCK UNIV PA PF ID: 254377

Sub Facilty: 031 Boiler 1

Rated Input (MMBTU/HR): 35

Date Installed: 01/01/1951

Fuel: **Bituminous** Fuel Data Based on FML: FM04

SCC: 10300207 - External Combustion Boilers;Commercial/Institutional;Bituminous/Subbituminous Coal; Overfeed Stoker (Bitumino Burned

Monthly Throughputs in Tons						
SCHEDULE 1	JAN:	175.05	JUL:	170.40		
Date Effective: 01/01/2017	FEB:	205.40	AUG:	0.00		
Date End: 12/31/2017	MAR:	54.15	SEP:	0.00		
Total Days: 154	APR:	0.00	OCT:	0.00		
Total Hours: 3696	MAY:	0.00	NOV:	188.83		
Days Per Week: 7	JUN:	0.00	DEC:	61.30		

Fuel: Natural Gas

Fuel Data Based on FML: FM02

SCC: 10300602 - External Combustion Boilers;Commercial/Institutional;Natural Gas;10-100 Million Btu/Hr Burned

Monthly Throughputs in CF						
SCHEDULE 1	JAN:	2,009,000.00	JUL:	2,123,000.00		
Date Effective: 01/01/2017	FEB:	2,443,000.00	AUG:	0.00		
Date End: 12/31/2017	MAR:	1,271,000.00	SEP:	0.00		
Total Days: 154	APR:	0.00	OCT:	950,000.00		
Total Hours: 3696	MAY:	0.00		3,691,000.00		
Days Per Week: 7	JUN:	0.00	DEC:	1,663,000.00		

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SF Type: CU

 Tax ID/Plant Code:
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 PF ID:
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Sub Facilty: 031 Boiler 1

SF Type: CU

Actual Emission Estimates (Tons/Yr) For Emission Fees And Emission Statements:

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
* Nickel	7440020	0.0000	DEP FACTOR USED BY DEP	
* Pentane	109660	0.0378	DEP FACTOR USED BY DEP	
* Propane	74986	0.0233	DEP FACTOR USED BY DEP	
* Toluene	108883	0.0000	DEP FACTOR USED BY DEP	
* Vanadium	7440622	0.0000	DEP FACTOR USED BY DEP	
* Zinc	7440666	0.0003	DEP FACTOR USED BY DEP	
* Ammonia	7664417	0.0074	DEP FACTOR USED BY DEP	
* CO	630080	3.7873	DEP FACTOR USED BY DEP	
* Carbon Dioxide	124389	3,045.4867	AP-42 LATEST AVAILABLE	
* Lead	7439921	0.0059	DEP FACTOR USED BY DEP	
* Methane	74828	0.0591	DEP FACTOR USED BY DEP	
* NOX	10102440	5.6610	CO. STACK TEST APPROVED BY DEP	
* Nitrous Oxide	10024972	0.0388	AP-42 LATEST AVAILABLE	
PM-CON		0.0000	NO FACTOR AVAILABLE	
* PM10		3.9163	CO. STACK TEST APPROVED BY DEP	
PM2.5		1.9582	DEP FACTOR USED BY DEP	
* SOX	7446095	21.3449	CO. STACK TEST APPROVED BY DEP	
* VOC		0.1188	DEP FACTOR USED BY DEP	
* Arsenic	7440382	0.0000	DEP FACTOR USED BY DEP	
* Barium	7440393	0.0000	DEP FACTOR USED BY DEP	
* Benzene	71432	0.0000	DEP FACTOR USED BY DEP	
* Butane	106978	0.0305	DEP FACTOR USED BY DEP	
* Cadmium	7440439	0.0000	DEP FACTOR USED BY DEP	
* Chromium	7440473	0.0000	DEP FACTOR USED BY DEP	
* Copper	7440508	0.0000	DEP FACTOR USED BY DEP	
* Ethane	74840	0.0451	DEP FACTOR USED BY DEP	
* Formaldehyde	50000	0.0010	DEP FACTOR USED BY DEP	
* Hexane	110543	0.0262	DEP FACTOR USED BY DEP	
* Hydrochloric Acid	7647010	0.5131	DEP FACTOR USED BY DEP	
* Hydrogen Fluoride	7664393	0.0641	DEP FACTOR USED BY DEP	
* Manganese	7439965	0.0000	DEP FACTOR USED BY DEP	
* Mercury	7439976	0.0710	DEP FACTOR USED BY DEP	
* Molybdenum	7439987	0.0000	DEP FACTOR USED BY DEP	
* Naphthalene	91203	0.0000	DEP FACTOR USED BY DEP	

* SCC Factor Exists

Input Form For: 2017	Tax ID/Plant Code:	23-2250505-10
PA STATE SYS OF HIGHER ED/SLIPPERY ROCK UNIV PA	PF ID:	254377

OTHER MISCELLANEOUS SUB FACILITY EMISSIONS (Criteria/ HAPs/ Non-Criteria)

SF (Optional Name)	Pollutant	CAS	Emission Amt	Calc. Method
			(0.0 TPY)	
campus generator	VOC		0.0655	DEP FACTOR USED BY DEP
campus generator	PM2.5		0.0055	DEP FACTOR USED BY DEP
campus generator	CO	630080	0.1759	DEP FACTOR USED BY DEP
compressor	СО	630080	0.0100	DEP FACTOR USED BY DEP
campus generator	NOX	10102440	2.2641	DEP FACTOR USED BY DEP
compressor	NOX	10102440	0.0200	DEP FACTOR USED BY DEP
campus generator	PM10		0.0055	DEP FACTOR USED BY DEP
campus generator	SOX	7446095	0.0003	DEP FACTOR USED BY DEP
compressor	SOX	7446095	0.0020	DEP FACTOR USED BY DEP

NOTE: Most pollutants need to be reported if greater than 0.5 TPY. The following pollutants need to be reported if greater than the amounts listed:

Polychlorobiphenols (PCB) Lead (Pb) Polycyclic Organic Mater (POM)	0.01 TPY 0.01 TPY 0.01 TPY
Dioxins (submit Lbs/Yr only)	0.02 TPY
Furans (submit Lbs/Yr only)	0.02 Lbs/Yr
Mercury (Hg):	
Coal fired electric generating units (EGU)	0.0001 TPY
Non-coal fired EGUs	0.0005 TPY
All other sub facilities	0.01 TPY

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NOTES

There are no notes associated with this report.

ATTACHMENT(S) TO THIS REPORT

There are no documents attached to this report.