

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Region: WILLIAMSPORT **County:** Centre **Municipality:** State College Boro
SIC: 8221 - Services - Colleges And Universities
NAICS: 611310 - Colleges, Universities, and Professional Schools

Contact	Name	Address	Telephone
FIRM	R Rang	213 Physical Plant Bldg, University Park, PA - 16802-1120	805-889-5094
LOCAD		101p Physical Plant Bldg, University Park, PA - 16802-1119	--
PRMT	G Helsel	114 Fox Hollow Bldg, University Park, PA - 16802-1118	814-863-7339
REOFF	R Rang	213 Physical Plant Bldg, University Park, PA - 16802	805-889-5094
INSP	P Hillard	Animal Diagnostic Laboratory, University Park, PA - 16802-1110	814-865-8127

FACILITY LOCATION INFORMATION

Map: 0-51.22 **Latitude:** 40 deg, 47 min, 35.23 sec N **UTM Coordinates:** **North:** 4519.53
Elevation(Ft): 1160 **Longitude:** -77 deg, 51 min, 53.40 sec W **Zone:** 18 **East:** 258.29

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

Ammonia	0.0000
CO	38.1700
Carbon Dioxide	135,269.0000
Lead	0.0000
Methane	3.0200
NOX	63.4000
Nitrous Oxide	0.2970
PM-CON	5.9800
PM10	7.4670
PM2.5	7.4670
SOX	0.7300
VOC	0.6380

FUEL USAGE SUMMARY

Fuel Type	Total Use
Bituminous	0 Tons
#2 Oil	54.64 Th Gal
Diesel Fuel	11.21 Th Gal
Liquid Petroleum Gas (Lpg)	.02 Th Gal
Natural Gas	2168.7 MMCF
Propane	.14 Th Gal

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Tax ID/Plant Code: 24-6000376-1

PA STATE UNIV/UNIV PARK CAMPUS

PF ID: 256457

SUB FACILITIES INCLUDED

Type	SF	Name
FML	FM004	Computer Building Storage Tank For P117 And P118
FML	FM005	No. 2 Oil Supply For Ct
FML	FM01	Common Coal Pile
FML	FM02	Remaining Campus Nat Gas Line
FML	FM03	Remaining Campus #2 Fuel Oil Supply
FML	FM04	Ecsp/Wcsp Nat Gas Line
FML	FM07	Propane
FML	FML#2	Two (2) 25,000-Gallon Asts
CU	031B	Wcsp New Boiler 1
CU	032	Wcsp Boiler 2
CU	032B	Wcsp New Boiler 2
CU	034	Wcsp Boiler 6
CU	035	Wcsp Boiler 8
CU	036	Ecsp Boiler 1
CU	037	Ecsp Boiler 2
CU	064	Natural Gas-Fired Combustion Units < 10 Mmbtu/Hr
CU	064A	Oil-Fired Combustion Units < 10 Mmbtu/Hr
CU	171	Duct Burner (Heat Recovery Steam Generation Unit)
CU	C039	Generator Group
CU	CU038	Outlying Boiler Group
PRO	P105	Wastewater Treatment Plant
PRO	P106	Subpart Zzzz Emergency Generators
PRO	P106A	Beaver Stadium Emergency Generator
PRO	P106B	Spark-Ignited Emergency Generator-Engines
PRO	P108	New Spark Ignition Emergency Generators
PRO	P109	New Compression Ignition Emergency Generators
PRO	P110	Mobile Equipment Paint Spray Booth
PRO	P112	Woodworking Operation
PRO	P113	Painting Operation
PRO	P114	One Generac Emergency Generator
PRO	P116	Housing & Food Services 1120 Bhp Diesel-Fired Engine
PRO	P116A	Dickenson School Of Law, 399-Bhp, Diesel-Fired Engine
PRO	P117	Computer Building 2346 Bhp Diesel-Fired Engine
PRO	P118	Computer Building 2346 Bhp Diesel-Fired Engine
PRO	P122	Two 433kw Doosan Air Compressors
PRO	P171	Combined Heat And Power Dual-Fired Combustion Turbine
PRO	P172	Wcsp Combustion Turbine And Hrsg

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PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Fuel Location: FM004	Computer Building Storage Tank For P117 And P118	SF Type: FML
Date Installed:	Fuel Stored: Diesel Fuel	Capacity: 8000 Gal

Sources fed in 2022:

P117 COMPUTER BUILDING 2346 BHP
 DIESEL-FIRED ENGINE

P118 COMPUTER BUILDING 2346 BHP
 DIESEL-FIRED ENGINE

2022 Fuel Tests:

Date Collected: 01/03/2022 **% Ash:** 0.00 **% Sulfur:** 0.02 **BTU(Lb/Gal/CuFt):** 139000

Fuel Location: FM005	No. 2 Oil Supply For Ct	SF Type: FML
Date Installed:	Fuel Stored: #2 Oil	Capacity:

Sources fed in 2022:

P171 COMBINED HEAT AND POWER DUAL-FIRED
 COMBUSTION TURBINE

2022 Fuel Tests:

Date Collected: 01/03/2022 **% Ash:** 0.00 **% Sulfur:** 0.02 **BTU(Lb/Gal/CuFt):** 139000

Fuel Location: FM01	Common Coal Pile	SF Type: FML
Date Installed:	Fuel Stored: Bituminous	Capacity: 68 Tons

Sources fed in 2022:

032 WCSP BOILER 2

034 WCSP BOILER 6

035 WCSP BOILER 8

2022 Fuel Tests:

Date Collected: 01/03/2022 **% Ash:** 9.00 **% Sulfur:** 1.49 **BTU(Lb/Gal/CuFt):** 12806

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
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Fuel Location: FM02	Remaining Campus Nat Gas Line	SF Type: FML
Date Installed:	Fuel Stored: Natural Gas	Capacity:

Sources fed in 2022:

- 032 WCSP BOILER 2
- 033 WCSP BOILER 5
- 034 WCSP BOILER 6
- 035 WCSP BOILER 8
- 036 ECSP BOILER 1
- 037 ECSP BOILER 2
- 064 NATURAL GAS-FIRED COMBUSTION UNITS < 10 MMBTU/HR
- C039 GENERATOR GROUP
- CU038 OUTLYING BOILER GROUP
- P106B SPARK-IGNITED EMERGENCY GENERATOR-ENGINES
- P108 NEW SPARK IGNITION EMERGENCY GENERATORS

2022 Fuel Tests:

Date Collected: 01/03/2022 **% Ash:** 0.00 **% Sulfur:** 0.00 **BTU(Lb/Gal/CuFt):** 1050

Fuel Location: FM03	Remaining Campus #2 Fuel Oil Supply	SF Type: FML
Date Installed:	Fuel Stored: #2 Oil	Capacity:

Sources fed in 2022:

- 032 WCSP BOILER 2
- 035 WCSP BOILER 8
- 036 ECSP BOILER 1
- 037 ECSP BOILER 2
- 064A OIL-FIRED COMBUSTION UNITS < 10 MMBTU/HR
- CU038 OUTLYING BOILER GROUP
- P106 SUBPART ZZZZ EMERGENCY GENERATORS
- P106A BEAVER STADIUM EMERGENCY GENERATOR
- P120 WCSP 2695 BHP CAT GENERATOR
- P122 TWO 433KW DOOSAN AIR COMPRESSORS
- P123 HOUSING AND FOOD SERVICES WAREHOUSE GENERATOR
- P109 NEW COMPRESSION IGNITION EMERGENCY GENERATORS

2022 Fuel Tests:

Date Collected: 01/03/2022 **% Ash:** 0.00 **% Sulfur:** 0.02 **BTU(Lb/Gal/CuFt):** 139000

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PA STATE UNIV/UNIV PARK CAMPUS

PF ID: 256457

Fuel Location: FM04

Ecsp/Wcsp Nat Gas Line

SF Type: FML

Date Installed:

Fuel Stored: Natural Gas

Capacity:

Sources fed in 2022:

031B WCSP NEW BOILER 1
032B WCSP NEW BOILER 2
171 DUCT BURNER (HEAT RECOVERY STEAM
GENERATION UNIT)
P171 COMBINED HEAT AND POWER DUAL-FIRED
COMBUSTION TURBINE
P172 WCSP COMBUSTION TURBINE AND HRSG

2022 Fuel Tests:

Date Collected: 01/03/2022 % Ash: 0.00 % Sulfur: 0.00 BTU(Lb/Gal/CuFt): 1050

Fuel Location: FM07

Propane

SF Type: FML

Date Installed:

Fuel Stored: Propane

Capacity:

Sources fed in 2022:

064 NATURAL GAS-FIRED COMBUSTION UNITS <
10 MMBTU/HR
P106B SPARK-IGNITED EMERGENCY
GENERATOR-ENGINES
P108 NEW SPARK IGNITION EMERGENCY
GENERATORS

2022 Fuel Tests:

Date Collected: 01/03/2022 % Ash: 0.00 % Sulfur: 0.00 BTU(Lb/Gal/CuFt): 91300

Fuel Location: FML#2

Two (2) 25,000-Gallon Asts

SF Type: FML

Date Installed:

Fuel Stored: #2 Oil

Capacity: 50000 Gal

Sources fed in 2022:

031B WCSP NEW BOILER 1
032B WCSP NEW BOILER 2
P172 WCSP COMBUSTION TURBINE AND HRSG

2022 Fuel Tests:

Date Collected: 01/03/2022 % Ash: 0.00 % Sulfur: 0.02 BTU(Lb/Gal/CuFt): 139000

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PA STATE UNIV/UNIV PARK CAMPUS

PF ID: 256457

Sub Facility: 031B Wcsp New Boiler 1

SF Type: CU

Rated Input (MMBTU/HR):

Date Installed:

Fuel: #2 Oil

Fuel Data Based on FML: FML#2

SCC: 10300501 - External Combustion Boilers;Commercial/Institutional;Distillate Oil;Grades 1 And 2 Oil Burned

Monthly Throughputs in Gal				
SCHEDULE 1	JAN:	0.00	JUL:	0.00
Date Effective: 01/01/2022	FEB:	0.00	AUG:	0.00
Date End: 12/31/2022	MAR:	0.00	SEP:	0.00
Total Days: 1	APR:	0.00	OCT:	0.00
Total Hours: 0	MAY:	0.00	NOV:	0.00
Days Per Week: 0	JUN:	0.00	DEC:	0.00

Fuel: Natural Gas

Fuel Data Based on FML: FM04

SCC: 10300601 - External Combustion Boilers;Commercial/Institutional;Natural Gas;> 100 Million Btu/Hr Burned

Monthly Throughputs in MMCF				
SCHEDULE 1	JAN:	55.88	JUL:	0.00
Date Effective: 01/01/2022	FEB:	36.81	AUG:	0.00
Date End: 12/31/2022	MAR:	17.38	SEP:	0.01
Total Days: 97	APR:	33.70	OCT:	32.25
Total Hours: 2119	MAY:	2.53	NOV:	5.32
Days Per Week: 2	JUN:	0.00	DEC:	10.44

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Sub Facility: 031B Wcsp New Boiler 1	SF Type: CU
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Actual Emission Estimates (Tons/Yr) For Emission Fees And Emission Statements:

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
* Ethane	74840		DEP FACTOR USED BY DEP	X
* Formaldehyde	50000		DEP FACTOR USED BY DEP	X
* Hexane	110543		DEP FACTOR USED BY DEP	X
* Manganese	7439965		DEP FACTOR USED BY DEP	X
* Mercury	7439976		DEP FACTOR USED BY DEP	X
* Molybdenum	7439987		DEP FACTOR USED BY DEP	X
* Naphthalene	91203		DEP FACTOR USED BY DEP	X
* Nickel	7440020		DEP FACTOR USED BY DEP	X
* Pentane	109660		DEP FACTOR USED BY DEP	X
* Polycyclic Organic Matter			DEP FACTOR USED BY DEP	X
* Propane	74986		DEP FACTOR USED BY DEP	X
* Toluene	108883		DEP FACTOR USED BY DEP	X
* Vanadium	7440622		DEP FACTOR USED BY DEP	X
* Zinc	7440666		DEP FACTOR USED BY DEP	X
* Ammonia	7664417	0.0000	AP-42 LATEST AVAILABLE	
* CO	630080	0.1300	CONTINUOUS EMISSION MONITORING	
* Carbon Dioxide	124389	12,159.3000	CO. STACK TEST APPROVED BY DEP	
* Lead	7439921	0.0000	AP-42 LATEST AVAILABLE	
* Methane	74828	0.2000	AP-42 LATEST AVAILABLE	
* NOX	10102440	3.4400	CONTINUOUS EMISSION MONITORING	
* Nitrous Oxide	10024972	0.0200	AP-42 LATEST AVAILABLE	
PM-CON		0.7100	CO. STACK TEST APPROVED BY DEP	
* PM10		0.7100	CO. STACK TEST APPROVED BY DEP	
PM2.5		0.7100	CO. STACK TEST APPROVED BY DEP	
* SOX	7446095	0.0600	AP-42 LATEST AVAILABLE	
* VOC		0.0030	CO. STACK TEST APPROVED BY DEP	
* Arsenic	7440382		DEP FACTOR USED BY DEP	X
* Barium	7440393		DEP FACTOR USED BY DEP	X
* Benzene	71432		DEP FACTOR USED BY DEP	X
* Butane	106978		DEP FACTOR USED BY DEP	X
* Cadmium	7440439		DEP FACTOR USED BY DEP	X
* Chromium	7440473		DEP FACTOR USED BY DEP	X
* Copper	7440508		DEP FACTOR USED BY DEP	X

* **SCC Factor Exists**

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: 032 Wcsp Boiler 2	SF Type: CU
Rated Input (MMBTU/HR): 143	Date Installed: 07/01/1985
Fuel: Bituminous	Fuel Data Based on FML: FM01
SCC: 10300208 - External Combustion Boilers;Commercial/Institutional;Bituminous/Subbituminous Coal;Underfeed Stoker (Bitumin Burned)	

Monthly Throughputs in Tons				
SCHEDULE 1	JAN:	0.00	JUL:	0.00
Date Effective: 01/01/2022	FEB:	0.00	AUG:	0.00
Date End: 12/31/2022	MAR:	0.00	SEP:	0.00
Total Days: 1	APR:	0.00	OCT:	0.00
Total Hours: 0	MAY:	0.00	NOV:	0.00
Days Per Week: 0	JUN:	0.00	DEC:	0.00

Fuel: Natural Gas	Fuel Data Based on FML: FM02
SCC: 10300601 - External Combustion Boilers;Commercial/Institutional;Natural Gas;> 100 Million Btu/Hr Burned	

Monthly Throughputs in MMCF				
SCHEDULE 1	JAN:	0.00	JUL:	0.00
Date Effective: 01/01/2022	FEB:	0.00	AUG:	0.00
Date End: 12/31/2022	MAR:	0.00	SEP:	0.00
Total Days: 1	APR:	0.00	OCT:	0.00
Total Hours: 0	MAY:	0.00	NOV:	0.00
Days Per Week: 0	JUN:	0.00	DEC:	0.00

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Sub Facility: 032 Wcsp Boiler 2	SF Type: CU
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Actual Emission Estimates (Tons/Yr) For Emission Fees And Emission Statements:

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

* **SCC Factor Exists**

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Sub Facility: 032B Wcsp New Boiler 2	SF Type: CU
Rated Input (MMBTU/HR):	Date Installed:
Fuel: #2 Oil	Fuel Data Based on FML: FML#2
SCC: 10300501 - External Combustion Boilers;Commercial/Institutional;Distillate Oil;Grades 1 And 2 Oil Burned	

Monthly Throughputs in Gal				
SCHEDULE 1	JAN:	0.00	JUL:	0.00
Date Effective: 01/01/2022	FEB:	0.00	AUG:	0.00
Date End: 12/31/2022	MAR:	0.00	SEP:	0.00
Total Days: 1	APR:	0.00	OCT:	0.00
Total Hours: 0	MAY:	0.00	NOV:	0.00
Days Per Week: 0	JUN:	0.00	DEC:	0.00

Fuel: Natural Gas	Fuel Data Based on FML: FM04
SCC: 10300601 - External Combustion Boilers;Commercial/Institutional;Natural Gas;> 100 Million Btu/Hr Burned	

Monthly Throughputs in MMCF				
SCHEDULE 1	JAN:	63.68	JUL:	0.00
Date Effective: 01/01/2022	FEB:	57.70	AUG:	0.02
Date End: 12/31/2022	MAR:	60.63	SEP:	0.00
Total Days: 211	APR:	46.92	OCT:	25.52
Total Hours: 4964	MAY:	40.68	NOV:	55.16
Days Per Week: 4	JUN:	0.00	DEC:	65.74

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
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Sub Facility: 032B Wcsp New Boiler 2	SF Type: CU
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Actual Emission Estimates (Tons/Yr) For Emission Fees And Emission Statements:

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
* Ammonia	7664417	0.0000	AP-42 LATEST AVAILABLE	
* CO	630080	0.0600	CONTINUOUS EMISSION MONITORING	
* Carbon Dioxide	124389	25,967.8000	CO. STACK TEST APPROVED BY DEP	
* Lead	7439921	0.0000	AP-42 LATEST AVAILABLE	
* Methane	74828	0.4300	AP-42 LATEST AVAILABLE	
* NOX	10102440	5.9800	CONTINUOUS EMISSION MONITORING	
* Nitrous Oxide	10024972	0.0400	AP-42 LATEST AVAILABLE	
PM-CON		1.2200	CO. STACK TEST APPROVED BY DEP	
* PM10		1.2200	CO. STACK TEST APPROVED BY DEP	
PM2.5		1.2200	CO. STACK TEST APPROVED BY DEP	
* SOX	7446095	0.1300	AP-42 LATEST AVAILABLE	
* VOC		0.0110	CO. STACK TEST APPROVED BY DEP	
* Hexane	110543		DEP FACTOR USED BY DEP	X
* Manganese	7439965		DEP FACTOR USED BY DEP	X
* Mercury	7439976		DEP FACTOR USED BY DEP	X
* Molybdenum	7439987		DEP FACTOR USED BY DEP	X
* Arsenic	7440382		DEP FACTOR USED BY DEP	X
* Naphthalene	91203		DEP FACTOR USED BY DEP	X
* Nickel	7440020		DEP FACTOR USED BY DEP	X
* Pentane	109660		DEP FACTOR USED BY DEP	X
* Polycyclic Organic Matter			DEP FACTOR USED BY DEP	X
* Propane	74986		DEP FACTOR USED BY DEP	X
* Toluene	108883		DEP FACTOR USED BY DEP	X
* Vanadium	7440622		DEP FACTOR USED BY DEP	X
* Zinc	7440666		DEP FACTOR USED BY DEP	X
* Barium	7440393		DEP FACTOR USED BY DEP	X
* Benzene	71432		DEP FACTOR USED BY DEP	X
* Butane	106978		DEP FACTOR USED BY DEP	X
* Cadmium	7440439		DEP FACTOR USED BY DEP	X
* Chromium	7440473		DEP FACTOR USED BY DEP	X
* Copper	7440508		DEP FACTOR USED BY DEP	X
* Ethane	74840		DEP FACTOR USED BY DEP	X
* Formaldehyde	50000		DEP FACTOR USED BY DEP	X

* **SCC Factor Exists**

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
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Sub Facility: 034 Wcsp Boiler 6	SF Type: CU
Rated Input (MMBTU/HR): 49	Date Installed: 07/01/1986
Fuel: Bituminous	Fuel Data Based on FML: FM01
SCC: 10300207 - External Combustion Boilers;Commercial/Institutional;Bituminous/Subbituminous Coal;Overfeed Stoker (Bitumino Burned)	

Monthly Throughputs in Tons				
SCHEDULE 1	JAN:	0.00	JUL:	0.00
Date Effective: 01/01/2022	FEB:	0.00	AUG:	0.00
Date End: 12/31/2022	MAR:	0.00	SEP:	0.00
Total Days: 1	APR:	0.00	OCT:	0.00
Total Hours: 0	MAY:	0.00	NOV:	0.00
Days Per Week: 0	JUN:	0.00	DEC:	0.00

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 MMCF				
SCHEDULE 1	JAN:	0.00	JUL:	0.00
Date Effective: 01/01/2022	FEB:	0.00	AUG:	0.00
Date End: 12/31/2022	MAR:	0.00	SEP:	0.00
Total Days: 1	APR:	0.00	OCT:	0.00
Total Hours: 0	MAY:	0.00	NOV:	0.00
Days Per Week: 0	JUN:	0.00	DEC:	0.00

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Sub Facility: 034 Wcsp Boiler 6	SF Type: CU
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Actual Emission Estimates (Tons/Yr) For Emission Fees And Emission Statements:

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

* **SCC Factor Exists**

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: 035 Wcsp Boiler 8	SF Type: CU
Rated Input (MMBTU/HR): 49	Date Installed: 07/01/1986
Fuel: Bituminous	Fuel Data Based on FML: FM01
SCC: 10300207 - External Combustion Boilers;Commercial/Institutional;Bituminous/Subbituminous Coal;Overfeed Stoker (Bitumino Burned)	

Monthly Throughputs in Tons				
SCHEDULE 1	JAN:	0.00	JUL:	0.00
Date Effective: 01/01/2022	FEB:	0.00	AUG:	0.00
Date End: 12/31/2022	MAR:	0.00	SEP:	0.00
Total Days: 1	APR:	0.00	OCT:	0.00
Total Hours: 0	MAY:	0.00	NOV:	0.00
Days Per Week: 0	JUN:	0.00	DEC:	0.00

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 MMCF				
SCHEDULE 1	JAN:	4.50	JUL:	19.40
Date Effective: 01/01/2022	FEB:	8.57	AUG:	12.60
Date End: 12/31/2022	MAR:	6.82	SEP:	6.55
Total Days: 225	APR:	12.44	OCT:	0.00
Total Hours: 4070	MAY:	3.55	NOV:	2.06
Days Per Week: 4	JUN:	9.86	DEC:	1.54

Input Form For: 2022

Tax ID/Plant Code: 24-6000376-1

PA STATE UNIV/UNIV PARK CAMPUS

PF ID: 256457

Sub Facility: 035 Wcsp Boiler 8

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	0.0000	AP-42 LATEST AVAILABLE	
* CO	630080	3.6900	AP-42 LATEST AVAILABLE	
* Carbon Dioxide	124389	5,274.0000	AP-42 LATEST AVAILABLE	
* Lead	7439921	0.0000	AP-42 LATEST AVAILABLE	
* Methane	74828	0.0900	AP-42 LATEST AVAILABLE	
* NOX	10102440	4.4000	AP-42 LATEST AVAILABLE	
* Nitrous Oxide	10024972	0.0090	AP-42 LATEST AVAILABLE	
PM-CON		0.3300	AP-42 LATEST AVAILABLE	
* PM10		0.3300	AP-42 LATEST AVAILABLE	
PM2.5		0.3300	AP-42 LATEST AVAILABLE	
* SOX	7446095	0.0300	AP-42 LATEST AVAILABLE	
* VOC		0.2400	AP-42 LATEST AVAILABLE	
* Arsenic	7440382		DEP FACTOR USED BY DEP	X
* Barium	7440393		DEP FACTOR USED BY DEP	X
* Benzene	71432		DEP FACTOR USED BY DEP	X
* Butane	106978		DEP FACTOR USED BY DEP	X
* Cadmium	7440439		DEP FACTOR USED BY DEP	X
* Chromium	7440473		DEP FACTOR USED BY DEP	X
* Copper	7440508		DEP FACTOR USED BY DEP	X
* Ethane	74840		DEP FACTOR USED BY DEP	X
* Formaldehyde	50000		DEP FACTOR USED BY DEP	X
* Hexane	110543		DEP FACTOR USED BY DEP	X
* Hydrochloric Acid	7647010		DEP FACTOR USED BY DEP	X
* Hydrogen Fluoride	7664393		DEP FACTOR USED BY DEP	X
* Manganese	7439965		DEP FACTOR USED BY DEP	X
* Mercury	7439976		DEP FACTOR USED BY DEP	X
* Molybdenum	7439987		DEP FACTOR USED BY DEP	X
* Naphthalene	91203		DEP FACTOR USED BY DEP	X
* Nickel	7440020		DEP FACTOR USED BY DEP	X
* Pentane	109660		DEP FACTOR USED BY DEP	X
* Propane	74986		DEP FACTOR USED BY DEP	X
* Toluene	108883		DEP FACTOR USED BY DEP	X
* Vanadium	7440622		DEP FACTOR USED BY DEP	X
* Zinc	7440666		DEP FACTOR USED BY DEP	X

* SCC Factor Exists

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: 036 Ecsp Boiler 1	SF Type: CU
Rated Input (MMBTU/HR): 130	Date Installed: 11/01/1971
Fuel: #2 Oil	Fuel Data Based on FML: FM03
SCC: 10300501 - External Combustion Boilers;Commercial/Institutional;Distillate Oil;Grades 1 And 2 Oil Burned	

Monthly Throughputs in Gal			
SCHEDULE 1	JAN: 0.00	JUL: 0.00	0.00
Date Effective: 01/01/2022	FEB: 1,939.00	AUG: 0.00	0.00
Date End: 12/31/2022	MAR: 0.00	SEP: 0.00	0.00
Total Days: 1	APR: 0.00	OCT: 0.00	0.00
Total Hours: 4	MAY: 0.00	NOV: 0.00	0.00
Days Per Week: 0	JUN: 0.00	DEC: 0.00	0.00

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 MMCF			
SCHEDULE 1	JAN: 23.95	JUL: 3.51	3.51
Date Effective: 01/01/2022	FEB: 11.19	AUG: 1.25	1.25
Date End: 12/31/2022	MAR: 8.34	SEP: 9.62	9.62
Total Days: 143	APR: 0.81	OCT: 10.61	10.61
Total Hours: 2335	MAY: 0.71	NOV: 9.51	9.51
Days Per Week: 3	JUN: 0.65	DEC: 22.17	22.17

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: 036 Ecsp Boiler 1	SF Type: CU
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Actual Emission Estimates (Tons/Yr) For Emission Fees And Emission Statements:

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
* Ammonia	7664417	0.0000	AP-42 LATEST AVAILABLE	
* CO	630080	4.3000	AP-42 LATEST AVAILABLE	
* Carbon Dioxide	124389	6,160.8000	AP-42 LATEST AVAILABLE	
* Lead	7439921	0.0000	AP-42 LATEST AVAILABLE	
* Methane	74828	0.1100	AP-42 LATEST AVAILABLE	
* NOX	10102440	6.7300	CO. STACK TEST APPROVED BY DEP	
* Nitrous Oxide	10024972	0.0100	AP-42 LATEST AVAILABLE	
PM-CON		0.3900	AP-42 LATEST AVAILABLE	
* PM10		0.3900	AP-42 LATEST AVAILABLE	
PM2.5		0.3900	AP-42 LATEST AVAILABLE	
* SOX	7446095	0.0400	AP-42 LATEST AVAILABLE	
* VOC		0.0700	AP-42 LATEST AVAILABLE	
* Arsenic	7440382		DEP FACTOR USED BY DEP	X
* Barium	7440393		DEP FACTOR USED BY DEP	X
* Benzene	71432		DEP FACTOR USED BY DEP	X
* Butane	106978		DEP FACTOR USED BY DEP	X
* Cadmium	7440439		DEP FACTOR USED BY DEP	X
* Chromium	7440473		DEP FACTOR USED BY DEP	X
* Copper	7440508		DEP FACTOR USED BY DEP	X
* Ethane	74840		DEP FACTOR USED BY DEP	X
* Formaldehyde	50000		DEP FACTOR USED BY DEP	X
* Hexane	110543		DEP FACTOR USED BY DEP	X
* Manganese	7439965		DEP FACTOR USED BY DEP	X
* Mercury	7439976		DEP FACTOR USED BY DEP	X
* Molybdenum	7439987		DEP FACTOR USED BY DEP	X
* Naphthalene	91203		DEP FACTOR USED BY DEP	X
* Nickel	7440020		DEP FACTOR USED BY DEP	X
* Pentane	109660		DEP FACTOR USED BY DEP	X
* Polycyclic Organic Matter			DEP FACTOR USED BY DEP	X
* Propane	74986		DEP FACTOR USED BY DEP	X
* Toluene	108883		DEP FACTOR USED BY DEP	X
* Vanadium	7440622		DEP FACTOR USED BY DEP	X
* Zinc	7440666		DEP FACTOR USED BY DEP	X

* **SCC Factor Exists**

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: 037 Ecsp Boiler 2	SF Type: CU
Rated Input (MMBTU/HR): 130	Date Installed: 11/01/1971
Fuel: #2 Oil	Fuel Data Based on FML: FM03
SCC: 10300501 - External Combustion Boilers;Commercial/Institutional;Distillate Oil;Grades 1 And 2 Oil Burned	

Monthly Throughputs in Gal				
SCHEDULE 1	JAN:	0.00	JUL:	0.00
Date Effective: 01/01/2022	FEB:	1,761.00	AUG:	0.00
Date End: 12/31/2022	MAR:	0.00	SEP:	0.00
Total Days: 1	APR:	0.00	OCT:	0.00
Total Hours: 5	MAY:	0.00	NOV:	0.00
Days Per Week: 0	JUN:	0.00	DEC:	0.00

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 MMCF				
SCHEDULE 1	JAN:	25.66	JUL:	6.45
Date Effective: 01/01/2022	FEB:	15.33	AUG:	1.45
Date End: 12/31/2022	MAR:	11.33	SEP:	2.50
Total Days: 179	APR:	2.37	OCT:	14.93
Total Hours: 2846	MAY:	0.34	NOV:	8.75
Days Per Week: 3	JUN:	1.19	DEC:	32.20

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: 037 Ecsp Boiler 2	SF Type: CU
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Actual Emission Estimates (Tons/Yr) For Emission Fees And Emission Statements:

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
* Nickel	7440020		DEP FACTOR USED BY DEP	X
* Pentane	109660		DEP FACTOR USED BY DEP	X
* Polycyclic Organic Matter			DEP FACTOR USED BY DEP	X
* Propane	74986		DEP FACTOR USED BY DEP	X
* Toluene	108883		DEP FACTOR USED BY DEP	X
* Vanadium	7440622		DEP FACTOR USED BY DEP	X
* Zinc	7440666		DEP FACTOR USED BY DEP	X
* Ammonia	7664417	0.0000	AP-42 LATEST AVAILABLE	
* CO	630080	5.1500	AP-42 LATEST AVAILABLE	
* Carbon Dioxide	124389	7,369.6000	AP-42 LATEST AVAILABLE	
* Lead	7439921	0.0000	AP-42 LATEST AVAILABLE	
* Methane	74828	0.1300	AP-42 LATEST AVAILABLE	
* NOX	10102440	8.7100	CO. STACK TEST APPROVED BY DEP	
* Nitrous Oxide	10024972	0.0100	AP-42 LATEST AVAILABLE	
PM-CON		0.4700	AP-42 LATEST AVAILABLE	
* PM10		0.4700	AP-42 LATEST AVAILABLE	
PM2.5		0.4700	AP-42 LATEST AVAILABLE	
* SOX	7446095	0.0400	AP-42 LATEST AVAILABLE	
* VOC		0.0900	AP-42 LATEST AVAILABLE	
* Arsenic	7440382		DEP FACTOR USED BY DEP	X
* Barium	7440393		DEP FACTOR USED BY DEP	X
* Benzene	71432		DEP FACTOR USED BY DEP	X
* Butane	106978		DEP FACTOR USED BY DEP	X
* Cadmium	7440439		DEP FACTOR USED BY DEP	X
* Chromium	7440473		DEP FACTOR USED BY DEP	X
* Copper	7440508		DEP FACTOR USED BY DEP	X
* Ethane	74840		DEP FACTOR USED BY DEP	X
* Formaldehyde	50000		DEP FACTOR USED BY DEP	X
* Hexane	110543		DEP FACTOR USED BY DEP	X
* Manganese	7439965		DEP FACTOR USED BY DEP	X
* Mercury	7439976		DEP FACTOR USED BY DEP	X
* Molybdenum	7439987		DEP FACTOR USED BY DEP	X
* Naphthalene	91203		DEP FACTOR USED BY DEP	X

* **SCC Factor Exists**

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: 064 Natural Gas-Fired Combustion Units < 10 Mmbtu/Hr	SF Type: CU
Rated Input (MMBTU/HR):	Date Installed:
Fuel: Natural Gas	Fuel Data Based on FML: FM02
SCC: 10300603 - External Combustion Boilers;Commercial/Institutional;Natural Gas;< 10 Million Btu/Hr Burned	

Monthly Throughputs in MMCF			
SCHEDULE 1	JAN:	12.30	JUL: 0.00
Date Effective: 01/01/2022	FEB:	12.30	AUG: 0.00
Date End: 12/31/2022	MAR:	12.30	SEP: 0.00
Total Days: 180	APR:	0.00	OCT: 12.30
Total Hours: 777	MAY:	0.00	NOV: 12.30
Days Per Week: 4	JUN:	0.00	DEC: 12.30

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: 064 Natural Gas-Fired Combustion Units < 10 Mmbtu/Hr **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	0.0000	AP-42 LATEST AVAILABLE	
* CO	630080	3.0000	AP-42 LATEST AVAILABLE	
* Carbon Dioxide	124389	3,979.0000	AP-42 LATEST AVAILABLE	
* Lead	7439921	0.0000	AP-42 LATEST AVAILABLE	
* Methane	74828	0.0800	AP-42 LATEST AVAILABLE	
* NOX	10102440	6.9000	AP-42 LATEST AVAILABLE	
* Nitrous Oxide	10024972	0.0080	AP-42 LATEST AVAILABLE	
PM-CON		0.2800	AP-42 LATEST AVAILABLE	
* PM10		0.2800	AP-42 LATEST AVAILABLE	
PM2.5		0.2800	AP-42 LATEST AVAILABLE	
* SOX	7446095	0.2200	AP-42 LATEST AVAILABLE	
* VOC		0.0500	AP-42 LATEST AVAILABLE	
* Arsenic	7440382		DEP FACTOR USED BY DEP	X
* Barium	7440393		DEP FACTOR USED BY DEP	X
* Benzene	71432		DEP FACTOR USED BY DEP	X
* Butane	106978		DEP FACTOR USED BY DEP	X
* Cadmium	7440439		DEP FACTOR USED BY DEP	X
* Chromium	7440473		DEP FACTOR USED BY DEP	X
* Copper	7440508		DEP FACTOR USED BY DEP	X
* Ethane	74840		DEP FACTOR USED BY DEP	X
* Formaldehyde	50000		DEP FACTOR USED BY DEP	X
* Hexane	110543		DEP FACTOR USED BY DEP	X
* Manganese	7439965		DEP FACTOR USED BY DEP	X
* Mercury	7439976		DEP FACTOR USED BY DEP	X
* Molybdenum	7439987		DEP FACTOR USED BY DEP	X
* Naphthalene	91203		DEP FACTOR USED BY DEP	X
* Nickel	7440020		DEP FACTOR USED BY DEP	X
* Pentane	109660		DEP FACTOR USED BY DEP	X
* Propane	74986		DEP FACTOR USED BY DEP	X
* Toluene	108883		DEP FACTOR USED BY DEP	X
* Vanadium	7440622		DEP FACTOR USED BY DEP	X
* Zinc	7440666		DEP FACTOR USED BY DEP	X

* **SCC Factor Exists**

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: 064A Oil-Fired Combustion Units < 10 Mmbtu/Hr	SF Type: CU
Rated Input (MMBTU/HR):	Date Installed:
Fuel: #2 Oil	Fuel Data Based on FML: FM03
SCC: 10300503 - External Combustion Boilers;Commercial/Institutional;Distillate Oil;< 10 Million Btu/Hr ** Burned	

Monthly Throughputs in Gal				
SCHEDULE 1	JAN:	345.00	JUL:	0.00
Date Effective: 01/01/2022	FEB:	345.00	AUG:	0.00
Date End: 12/31/2022	MAR:	345.00	SEP:	0.00
Total Days: 180	APR:	0.00	OCT:	345.00
Total Hours: 1080	MAY:	0.00	NOV:	345.00
Days Per Week: 4	JUN:	0.00	DEC:	345.00

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

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
* Ammonia	7664417	0.0000	AP-42 LATEST AVAILABLE	
* CO	630080	0.0050	AP-42 LATEST AVAILABLE	
* Carbon Dioxide	124389	23.2000	AP-42 LATEST AVAILABLE	
* Lead	7439921	0.0000	AP-42 LATEST AVAILABLE	
* Methane	74828	0.0000	AP-42 LATEST AVAILABLE	
* NOX	10102440	0.0200	AP-42 LATEST AVAILABLE	
* Nitrous Oxide	10024972	0.0000	AP-42 LATEST AVAILABLE	
PM-CON		0.0000	NO FACTOR AVAILABLE	
* PM10		0.0030	AP-42 LATEST AVAILABLE	
PM2.5		0.0030	AP-42 LATEST AVAILABLE	
* SOX	7446095	0.0002	AP-42 LATEST AVAILABLE	
* VOC		0.0005	AP-42 LATEST AVAILABLE	

* SCC Factor Exists

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: 171 Duct Burner (Heat Recovery Steam Generation Unit)	SF Type: CU
Rated Input (MMBTU/HR): 97.85	Date Installed:
Fuel: Natural Gas	Fuel Data Based on FML: FM04
SCC: 10200602 - External Combustion Boilers;Industrial;Natural Gas;10-100 Million Btu/Hr Burned	

Monthly Throughputs in MMBTU				
SCHEDULE 1	JAN:	26.23	JUL:	11.70
Date Effective: 01/01/2022	FEB:	22.56	AUG:	3.55
Date End: 12/31/2022	MAR:	17.42	SEP:	8.52
Total Days: 267	APR:	8.89	OCT:	26.31
Total Hours: 5395	MAY:	1.97	NOV:	12.90
Days Per Week: 5	JUN:	3.00	DEC:	20.43

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

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
* Ammonia	7664417	0.0000	AP-42 LATEST AVAILABLE	
* CO	630080	0.0040	CO. STACK TEST APPROVED BY DEP	
* Carbon Dioxide	124389	10,230.0000	AP-42 LATEST AVAILABLE	
* Lead	7439921	0.0000	AP-42 LATEST AVAILABLE	
* Methane	74828	0.1700	AP-42 LATEST AVAILABLE	
* NOX	10102440	2.8400	CO. STACK TEST APPROVED BY DEP	
* Nitrous Oxide	10024972	0.0200	AP-42 LATEST AVAILABLE	
PM-CON		0.8200	AP-42 LATEST AVAILABLE	
* PM10		0.8200	AP-42 LATEST AVAILABLE	
PM2.5		0.8200	AP-42 LATEST AVAILABLE	
* SOX	7446095	0.0000	AP-42 LATEST AVAILABLE	
* VOC		0.0000	AP-42 LATEST AVAILABLE	
* Arsenic	7440382		DEP FACTOR USED BY DEP	X
* Barium	7440393		DEP FACTOR USED BY DEP	X
* Benzene	71432		DEP FACTOR USED BY DEP	X
* Butane	106978		DEP FACTOR USED BY DEP	X
* Cadmium	7440439		DEP FACTOR USED BY DEP	X
* Chromium	7440473		DEP FACTOR USED BY DEP	X
* Copper	7440508		DEP FACTOR USED BY DEP	X
* Ethane	74840		DEP FACTOR USED BY DEP	X
* Formaldehyde	50000		DEP FACTOR USED BY DEP	X
* Hexane	110543		DEP FACTOR USED BY DEP	X
* Manganese	7439965		DEP FACTOR USED BY DEP	X
* Mercury	7439976		DEP FACTOR USED BY DEP	X
* Molybdenum	7439987		DEP FACTOR USED BY DEP	X
* Naphthalene	91203		DEP FACTOR USED BY DEP	X
* Nickel	7440020		DEP FACTOR USED BY DEP	X
* Pentane	109660		DEP FACTOR USED BY DEP	X
* Propane	74986		DEP FACTOR USED BY DEP	X
* Toluene	108883		DEP FACTOR USED BY DEP	X
* Vanadium	7440622		DEP FACTOR USED BY DEP	X
* Zinc	7440666		DEP FACTOR USED BY DEP	X

* **SCC Factor Exists**

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: C039 Generator Group	SF Type: CU
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Rated Input (MMBTU/HR):	Date Installed:
Fuel: #2 Oil	Fuel Data Based on FML:
SCC: 10100501 - External Combustion Boilers;Electric Generation;Distillate Oil;Grades 1 And 2 Oil Burned	

%ASH 0 %SULFUR .015 BTU/Lb-Gal-CuFt
139000

Monthly Throughputs in Gal			
SCHEDULE 1	JAN:	1,709.00	JUL: 1,709.00
Date Effective: 01/01/2022	FEB:	1,709.00	AUG: 1,709.00
Date End: 12/31/2022	MAR:	1,709.00	SEP: 1,709.00
Total Days: 100	APR:	1,709.00	OCT: 1,709.00
Total Hours: 1800	MAY:	1,709.00	NOV: 1,709.00
Days Per Week: 2	JUN:	1,709.00	DEC: 1,709.00

Fuel: Propane	Fuel Data Based on FML:
SCC: 10101002 - External Combustion Boilers;Electric Generation;Liquified Petroleum Gas (Lpg);Propane Burned	

%ASH 0 %SULFUR 0 BTU/Lb-Gal-CuFt 91300

Monthly Throughputs in Gal			
SCHEDULE 1	JAN:	2.10	JUL: 2.10
Date Effective: 01/01/2022	FEB:	2.10	AUG: 2.10
Date End: 12/31/2022	MAR:	2.10	SEP: 2.10
Total Days: 50	APR:	2.10	OCT: 2.10
Total Hours: 40	MAY:	2.10	NOV: 2.10
Days Per Week: 1	JUN:	2.10	DEC: 2.10

Fuel: Natural Gas	Fuel Data Based on FML: FM02
SCC: 20100202 - Internal Combustion Engines;Electric Generation;Natural Gas;Reciprocating Burned	

Monthly Throughputs in MMCF			
SCHEDULE 1	JAN:	1.70	JUL: 1.70
Date Effective: 01/01/2022	FEB:	1.70	AUG: 1.70
Date End: 12/31/2022	MAR:	1.70	SEP: 1.70
Total Days: 50	APR:	1.70	OCT: 1.70
Total Hours: 80	MAY:	1.70	NOV: 1.70
Days Per Week: 1	JUN:	1.70	DEC: 1.70

Input Form For: 2022

Tax ID/Plant Code: 24-6000376-1

PA STATE UNIV/UNIV PARK CAMPUS

PF ID: 256457

Sub Facility: C039 Generator Group

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	0.0000	AP-42 LATEST AVAILABLE	
* CO	630080	2.0000	AP-42 LATEST AVAILABLE	
* Carbon Dioxide	124389	3,496.0000	AP-42 LATEST AVAILABLE	
Lead	7439921	0.0000	NO FACTOR AVAILABLE	
* Methane	74828	0.0000	AP-42 LATEST AVAILABLE	
* NOX	10102440	6.1400	AP-42 LATEST AVAILABLE	
* Nitrous Oxide	10024972	0.0000	AP-42 LATEST AVAILABLE	
PM-CON		0.0000	NO FACTOR AVAILABLE	
* PM10		0.0000	AP-42 LATEST AVAILABLE	
PM2.5		0.0000	AP-42 LATEST AVAILABLE	
* SOX	7446095	0.0000	AP-42 LATEST AVAILABLE	
* VOC		0.0000	AP-42 LATEST AVAILABLE	
* Formaldehyde	50000		DEP FACTOR USED BY DEP	X
* Naphthalene	91203		DEP FACTOR USED BY DEP	X
* Polycyclic Organic Matter			DEP FACTOR USED BY DEP	X

* **SCC Factor Exists**

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: CU038 Outlying Boiler Group	SF Type: CU
Rated Input (MMBTU/HR):	Date Installed:
Fuel: Liquid Petroleum Gas (Lpg)	Fuel Data Based on FML:
SCC: 10301002 - External Combustion Boilers;Commercial/Institutional;Liquified Petroleum Gas (Lpg);Propane Burned	

%ASH 0 %SULFUR 0 BTU/Lb-Gal-CuFt 91300

Monthly Throughputs in Gal			
SCHEDULE 1	JAN:	3.00	JUL: 0.00
Date Effective: 01/01/2022	FEB:	3.00	AUG: 0.00
Date End: 12/31/2022	MAR:	3.00	SEP: 0.00
Total Days: 180	APR:	0.00	OCT: 3.00
Total Hours: 1800	MAY:	0.00	NOV: 3.00
Days Per Week: 4	JUN:	0.00	DEC: 3.00

Fuel: #2 Oil	Fuel Data Based on FML: FM03
SCC: 10300501 - External Combustion Boilers;Commercial/Institutional;Distillate Oil;Grades 1 And 2 Oil Burned	

Monthly Throughputs in Gal			
SCHEDULE 1	JAN:	900.00	JUL: 0.00
Date Effective: 01/01/2022	FEB:	900.00	AUG: 0.00
Date End: 12/31/2022	MAR:	900.00	SEP: 0.00
Total Days: 180	APR:	0.00	OCT: 900.00
Total Hours: 1800	MAY:	0.00	NOV: 900.00
Days Per Week: 4	JUN:	0.00	DEC: 900.00

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 MMCF			
SCHEDULE 1	JAN:	4.40	JUL: 0.00
Date Effective: 01/01/2022	FEB:	4.40	AUG: 0.00
Date End: 12/31/2022	MAR:	4.40	SEP: 0.00
Total Days: 180	APR:	0.00	OCT: 4.40
Total Hours: 1800	MAY:	0.00	NOV: 4.40
Days Per Week: 4	JUN:	0.00	DEC: 4.40

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: CU038 Outlying Boiler Group	SF Type: CU
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Actual Emission Estimates (Tons/Yr) For Emission Fees And Emission Statements:

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
* Ammonia	7664417	0.0000	AP-42 LATEST AVAILABLE	
* CO	630080	1.1000	AP-42 LATEST AVAILABLE	
* Carbon Dioxide	124389	61.7000	AP-42 LATEST AVAILABLE	
* Lead	7439921	0.0000	AP-42 LATEST AVAILABLE	
* Methane	74828	0.0000	AP-42 LATEST AVAILABLE	
* NOX	10102440	1.3000	AP-42 LATEST AVAILABLE	
* Nitrous Oxide	10024972	0.0000	AP-42 LATEST AVAILABLE	
PM-CON		0.0000	NO FACTOR AVAILABLE	
* PM10		0.0000	AP-42 LATEST AVAILABLE	
PM2.5		0.0000	AP-42 LATEST AVAILABLE	
* SOX	7446095	0.0000	AP-42 LATEST AVAILABLE	
* VOC		0.0000	AP-42 LATEST AVAILABLE	
* Arsenic	7440382		DEP FACTOR USED BY DEP	X
* Barium	7440393		DEP FACTOR USED BY DEP	X
* Benzene	71432		DEP FACTOR USED BY DEP	X
* Butane	106978		DEP FACTOR USED BY DEP	X
* Cadmium	7440439		DEP FACTOR USED BY DEP	X
* Chromium	7440473		DEP FACTOR USED BY DEP	X
* Copper	7440508		DEP FACTOR USED BY DEP	X
* Ethane	74840		DEP FACTOR USED BY DEP	X
* Formaldehyde	50000		DEP FACTOR USED BY DEP	X
* Hexane	110543		DEP FACTOR USED BY DEP	X
* Manganese	7439965		DEP FACTOR USED BY DEP	X
* Mercury	7439976		DEP FACTOR USED BY DEP	X
* Molybdenum	7439987		DEP FACTOR USED BY DEP	X
* Naphthalene	91203		DEP FACTOR USED BY DEP	X
* Nickel	7440020		DEP FACTOR USED BY DEP	X
* Pentane	109660		DEP FACTOR USED BY DEP	X
* Polycyclic Organic Matter			DEP FACTOR USED BY DEP	X
* Propane	74986		DEP FACTOR USED BY DEP	X
* Toluene	108883		DEP FACTOR USED BY DEP	X
* Vanadium	7440622		DEP FACTOR USED BY DEP	X
* Zinc	7440666		DEP FACTOR USED BY DEP	X

* **SCC Factor Exists**

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: P105 Wastewater Treatment Plant **SF Type:** PRO

Material:
Fuel: **Fuel Data Based on FML:**
SCC: 39990024 - Industrial Processes;Misc. Manufacturing Industries;Misc. Mfg.Industries;Process Gas:
 Flares Process Gas Burned

Monthly Throughputs in MMCF			
SCHEDULE 1	JAN:	16.24	JUL: 16.24
Date Effective: 01/01/2022	FEB:	16.24	AUG: 16.24
Date End: 12/31/2022	MAR:	16.24	SEP: 16.24
Total Days: 365	APR:	16.24	OCT: 16.24
Total Hours: 8760	MAY:	16.24	NOV: 16.24
Days Per Week: 7	JUN:	16.24	DEC: 16.24

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

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
Ammonia	7664417	0.0000	NO FACTOR AVAILABLE	
CO	630080	18.1000	AP-42 LATEST AVAILABLE	
Carbon Dioxide	124389	0.0000	NO FACTOR AVAILABLE	
Lead	7439921	0.0000	NO FACTOR AVAILABLE	
Methane	74828	0.0000	NO FACTOR AVAILABLE	
NOX	10102440	3.9700	AP-42 LATEST AVAILABLE	
Nitrous Oxide	10024972	0.0000	NO FACTOR AVAILABLE	
PM-CON		0.0000	NO FACTOR AVAILABLE	
* PM10		0.0000	NO FACTOR AVAILABLE	
PM2.5		0.0000	NO FACTOR AVAILABLE	
SOX	7446095	0.0000	NO FACTOR AVAILABLE	
* VOC		0.0000	AP-42 LATEST AVAILABLE	

* SCC Factor Exists

Input Form For: 2022

Tax ID/Plant Code: 24-6000376-1

PA STATE UNIV/UNIV PARK CAMPUS

PF ID: 256457

Sub Facility: P106 Subpart Zzzz Emergency Generators

SF Type: PRO

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

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
Lead	7439921	0.0000	NO FACTOR AVAILABLE	
* Methane	74828	0.0000	AP-42 LATEST AVAILABLE	
* NOX	10102440	0.9400	AP-42 LATEST AVAILABLE	
* Nitrous Oxide	10024972	0.0000	AP-42 LATEST AVAILABLE	
PM-CON		0.0000	NO FACTOR AVAILABLE	
* PM10		0.0600	AP-42 LATEST AVAILABLE	
PM2.5		0.0600	AP-42 LATEST AVAILABLE	
* SOX	7446095	0.0600	AP-42 LATEST AVAILABLE	
* VOC		0.0500	AP-42 LATEST AVAILABLE	
Ammonia	7664417	0.0000	NO FACTOR AVAILABLE	
* CO	630080	0.2000	AP-42 LATEST AVAILABLE	
* Carbon Dioxide	124389	34.9000	AP-42 LATEST AVAILABLE	

* SCC Factor Exists

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: P106A Beaver Stadium Emergency Generator **SF Type:** PRO

Material:
Fuel: Diesel Fuel **Fuel Data Based on FML:**
SCC: 20300101 - Internal Combustion Engines;Commercial/Institutional;Distillate Oil (Diesel);Reciprocating Burned

%ASH 0 %SULFUR .015 BTU/Lb-Gal-CuFt
 139000

Monthly Throughputs in Gal			
SCHEDULE 1	JAN:	73.80	JUL: 73.80
Date Effective: 01/01/2022	FEB:	73.80	AUG: 73.80
Date End: 12/31/2022	MAR:	73.80	SEP: 73.80
Total Days: 8	APR:	73.80	OCT: 73.80
Total Hours: 8	MAY:	73.80	NOV: 73.80
Days Per Week: 0	JUN:	73.80	DEC: 73.80

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

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
Ammonia	7664417	0.0000	NO FACTOR AVAILABLE	
* CO	630080	0.0600	AP-42 LATEST AVAILABLE	
* Carbon Dioxide	124389	10.0100	AP-42 LATEST AVAILABLE	
Lead	7439921	0.0000	NO FACTOR AVAILABLE	
* Methane	74828	0.0000	AP-42 LATEST AVAILABLE	
* NOX	10102440	0.2700	AP-42 LATEST AVAILABLE	
* Nitrous Oxide	10024972	0.0000	AP-42 LATEST AVAILABLE	
PM-CON		0.0000	NO FACTOR AVAILABLE	
* PM10		0.0200	AP-42 LATEST AVAILABLE	
PM2.5		0.0200	AP-42 LATEST AVAILABLE	
* SOX	7446095	0.0200	AP-42 LATEST AVAILABLE	
* VOC		0.0110	AP-42 LATEST AVAILABLE	

* **SCC Factor Exists**

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: P106B Spark-Ignited Emergency Generator-Engines **SF Type:** PRO

Material:
Fuel: Natural Gas **Fuel Data Based on FML:** FM02
SCC: 20300201 - Internal Combustion Engines;Commercial/Institutional;Natural Gas;Reciprocating Burned

Monthly Throughputs in MCF				
SCHEDULE 1	JAN:	4.16	JUL:	4.16
Date Effective: 01/01/2022	FEB:	4.16	AUG:	4.16
Date End: 12/31/2022	MAR:	4.16	SEP:	4.16
Total Days: 100	APR:	4.16	OCT:	4.16
Total Hours: 348	MAY:	4.16	NOV:	4.16
Days Per Week: 2	JUN:	4.16	DEC:	4.16

Material:
Fuel: Propane **Fuel Data Based on FML:** FM07
SCC: 20301001 - Internal Combustion Engines;Commercial/Institutional;Liquified Petroleum Gas (Lpg);Propane: Reciprocating Burned

Monthly Throughputs in Gal				
SCHEDULE 1	JAN:	7.80	JUL:	7.80
Date Effective: 01/01/2022	FEB:	7.80	AUG:	7.80
Date End: 12/31/2022	MAR:	7.80	SEP:	7.80
Total Days: 100	APR:	7.80	OCT:	7.80
Total Hours: 159	MAY:	7.80	NOV:	7.80
Days Per Week: 2	JUN:	7.80	DEC:	7.80

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

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
Ammonia	7664417	0.0000	NO FACTOR AVAILABLE	
* CO	630080	0.0100	AP-42 LATEST AVAILABLE	
* Carbon Dioxide	124389	3.4900	AP-42 LATEST AVAILABLE	
Lead	7439921	0.0000	NO FACTOR AVAILABLE	
* Methane	74828	0.0000	AP-42 LATEST AVAILABLE	
* NOX	10102440	0.0800	AP-42 LATEST AVAILABLE	
* Nitrous Oxide	10024972	0.0000	AP-42 LATEST AVAILABLE	
PM-CON		0.0000	NO FACTOR AVAILABLE	
* PM10		0.0000	AP-42 LATEST AVAILABLE	
PM2.5		0.0000	NO FACTOR AVAILABLE	
* SOX	7446095	0.0000	AP-42 LATEST AVAILABLE	
* VOC		0.0000	AP-42 LATEST AVAILABLE	

* SCC Factor Exists

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: P108 New Spark Ignition Emergency Generators **SF Type:** PRO

Material:
Fuel: Propane **Fuel Data Based on FML:** FM07
SCC: 20301001 - Internal Combustion Engines;Commercial/Institutional;Liquified Petroleum Gas
 (Lpg);Propane: Reciprocating Burned

Monthly Throughputs in Gal			
SCHEDULE 1	JAN:	1.83	JUL: 1.83
Date Effective: 01/01/2022	FEB:	1.83	AUG: 1.83
Date End: 12/31/2022	MAR:	1.83	SEP: 1.83
Total Days: 24	APR:	1.83	OCT: 1.83
Total Hours: 37	MAY:	1.83	NOV: 1.83
Days Per Week: 1	JUN:	1.83	DEC: 1.83

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

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
Ammonia	7664417	0.0000	NO FACTOR AVAILABLE	
* CO	630080	0.0000	AP-42 LATEST AVAILABLE	
* Carbon Dioxide	124389	0.1400	AP-42 LATEST AVAILABLE	
Lead	7439921	0.0000	NO FACTOR AVAILABLE	
* Methane	74828	0.0000	AP-42 LATEST AVAILABLE	
* NOX	10102440	0.0000	AP-42 LATEST AVAILABLE	
* Nitrous Oxide	10024972	0.0000	AP-42 LATEST AVAILABLE	
PM-CON		0.0000	NO FACTOR AVAILABLE	
* PM10		0.0000	AP-42 LATEST AVAILABLE	
PM2.5		0.0000	NO FACTOR AVAILABLE	
* SOX	7446095	0.0000	AP-42 LATEST AVAILABLE	
* VOC		0.0000	AP-42 LATEST AVAILABLE	

* SCC Factor Exists

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: P109 New Compression Ignition Emergency Generators **SF Type:** PRO

Material:
Fuel: Diesel Fuel **Fuel Data Based on FML:**
SCC: 20300101 - Internal Combustion Engines;Commercial/Institutional;Distillate Oil (Diesel);Reciprocating Burned

%ASH 0 %SULFUR 0 BTU/Lb-Gal-CuFt
 139000

Monthly Throughputs in Gal				
SCHEDULE 1	JAN:	345.00	JUL:	345.00
Date Effective: 01/01/2022	FEB:	345.00	AUG:	345.00
Date End: 12/31/2022	MAR:	345.00	SEP:	345.00
Total Days: 100	APR:	345.00	OCT:	345.00
Total Hours: 149	MAY:	345.00	NOV:	345.00
Days Per Week: 2	JUN:	345.00	DEC:	345.00

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

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
Ammonia	7664417	0.0000	NO FACTOR AVAILABLE	
* CO	630080	0.2700	AP-42 LATEST AVAILABLE	
* Carbon Dioxide	124389	46.6000	AP-42 LATEST AVAILABLE	
Lead	7439921	0.0000	NO FACTOR AVAILABLE	
* Methane	74828	0.0000	AP-42 LATEST AVAILABLE	
* NOX	10102440	1.2500	AP-42 LATEST AVAILABLE	
* Nitrous Oxide	10024972	0.0000	AP-42 LATEST AVAILABLE	
PM-CON		0.0000	NO FACTOR AVAILABLE	
* PM10		0.0900	AP-42 LATEST AVAILABLE	
PM2.5		0.0900	AP-42 LATEST AVAILABLE	
* SOX	7446095	0.0800	AP-42 LATEST AVAILABLE	
* VOC		0.0070	AP-42 LATEST AVAILABLE	

* SCC Factor Exists

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: P110 Mobile Equipment Paint Spray Booth **SF Type:** PRO

Material:

Fuel:

Fuel Data Based on FML:

SCC: 40201699 - Petrol./Solvent Evapor.;Surface Coating Operations;Automobiles And Light Trucks;Other Not Classified Solvent In Coating Used

Monthly Throughputs in Lbs				
SCHEDULE 1	JAN:	13.35	JUL:	27.41
Date Effective: 01/01/2022	FEB:	13.11	AUG:	22.99
Date End: 12/31/2022	MAR:	29.70	SEP:	18.57
Total Days: 104	APR:	11.06	OCT:	10.35
Total Hours: 104	MAY:	12.56	NOV:	25.20
Days Per Week: 2	JUN:	19.12	DEC:	21.80

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

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
Ammonia	7664417	0.0000	NO FACTOR AVAILABLE	
* CO	630080	0.0000	NO FACTOR AVAILABLE	
Carbon Dioxide	124389	0.0000	NO FACTOR AVAILABLE	
Lead	7439921	0.0000	NO FACTOR AVAILABLE	
Methane	74828	0.0000	NO FACTOR AVAILABLE	
* NOX	10102440	0.0000	NO FACTOR AVAILABLE	
Nitrous Oxide	10024972	0.0000	NO FACTOR AVAILABLE	
PM-CON		0.0000	NO FACTOR AVAILABLE	
* PM10		0.0000	NO FACTOR AVAILABLE	
PM2.5		0.0000	NO FACTOR AVAILABLE	
* SOX	7446095	0.0000	NO FACTOR AVAILABLE	
* VOC		0.0700	CO. MATERIAL BALANCE	

* SCC Factor Exists

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: P112 Woodworking Operation **SF Type:** PRO

Material:
Fuel:
SCC: 30703099 - Industrial Processes;Pulp And Paper And Wood Products;Miscellaneous Wood Working Operations;Sanding/Planning **Fuel Data Based on FML:**

Monthly Throughputs in Lbs			
SCHEDULE 1	JAN: 1,500.00	JUL: 1,500.00	
Date Effective: 01/01/2022	FEB: 1,500.00	AUG: 1,500.00	
Date End: 12/31/2022	MAR: 1,500.00	SEP: 1,500.00	
Total Days: 150	APR: 1,500.00	OCT: 1,500.00	
Total Hours: 450	MAY: 1,500.00	NOV: 1,500.00	
Days Per Week: 3	JUN: 1,500.00	DEC: 1,500.00	

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

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
Ammonia	7664417	0.0000	NO FACTOR AVAILABLE	
CO	630080	0.0000	NO FACTOR AVAILABLE	
Carbon Dioxide	124389	0.0000	NO FACTOR AVAILABLE	
Lead	7439921	0.0000	NO FACTOR AVAILABLE	
Methane	74828	0.0000	NO FACTOR AVAILABLE	
NOX	10102440	0.0000	NO FACTOR AVAILABLE	
Nitrous Oxide	10024972	0.0000	NO FACTOR AVAILABLE	
PM-CON		0.0000	CO. MATERIAL BALANCE	
* PM10		0.0000	CO. MATERIAL BALANCE	
PM2.5		0.0000	CO. MATERIAL BALANCE	
SOX	7446095	0.0000	NO FACTOR AVAILABLE	
VOC		0.0000	NO FACTOR AVAILABLE	

* SCC Factor Exists

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: P113 Painting Operation **SF Type:** PRO

Material:

Fuel: **Fuel Data Based on FML:**

SCC: 40201699 - Petrol./Solvent Evapor.;Surface Coating Operations;Automobiles And Light Trucks;Other Not Classified Solvent In Coating Used

Monthly Throughputs in Lbs				
SCHEDULE 1	JAN:	5.84	JUL:	28.11
Date Effective: 01/01/2022	FEB:	0.00	AUG:	9.81
Date End: 12/31/2022	MAR:	4.74	SEP:	2.90
Total Days: 37	APR:	0.73	OCT:	1.47
Total Hours: 148	MAY:	0.00	NOV:	17.29
Days Per Week: 1	JUN:	11.34	DEC:	34.34

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

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
Ammonia	7664417	0.0000	NO FACTOR AVAILABLE	
* CO	630080	0.0000	NO FACTOR AVAILABLE	
Carbon Dioxide	124389	0.0000	NO FACTOR AVAILABLE	
Lead	7439921	0.0000	NO FACTOR AVAILABLE	
Methane	74828	0.0000	NO FACTOR AVAILABLE	
* NOX	10102440	0.0000	NO FACTOR AVAILABLE	
Nitrous Oxide	10024972	0.0000	NO FACTOR AVAILABLE	
PM-CON		0.0000	NO FACTOR AVAILABLE	
* PM10		0.0000	NO FACTOR AVAILABLE	
PM2.5		0.0000	NO FACTOR AVAILABLE	
* SOX	7446095	0.0000	NO FACTOR AVAILABLE	
* VOC		0.0230	CO. MATERIAL BALANCE	

* SCC Factor Exists

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: P114 One Generac Emergency Generator **SF Type:** PRO

Material:
Fuel: #2 Oil **Fuel Data Based on FML:**
SCC: 20300101 - Internal Combustion Engines;Commercial/Institutional;Distillate Oil (Diesel);Reciprocating Burned

%ASH 0 %SULFUR .015 BTU/Lb-Gal-CuFt
 139000

Monthly Throughputs in Gal				
SCHEDULE 1	JAN:	17.40	JUL:	17.40
Date Effective: 01/01/2022	FEB:	17.40	AUG:	17.20
Date End: 12/31/2022	MAR:	17.40	SEP:	17.40
Total Days: 12	APR:	17.40	OCT:	17.40
Total Hours: 14	MAY:	17.40	NOV:	17.40
Days Per Week: 0	JUN:	17.40	DEC:	17.40

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

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
Ammonia	7664417	0.0000	NO FACTOR AVAILABLE	
* CO	630080	0.0100	AP-42 LATEST AVAILABLE	
* Carbon Dioxide	124389	2.3600	AP-42 LATEST AVAILABLE	
Lead	7439921	0.0000	NO FACTOR AVAILABLE	
* Methane	74828	0.0000	AP-42 LATEST AVAILABLE	
* NOX	10102440	0.0600	AP-42 LATEST AVAILABLE	
* Nitrous Oxide	10024972	0.0000	AP-42 LATEST AVAILABLE	
PM-CON		0.0000	NO FACTOR AVAILABLE	
* PM10		0.0050	AP-42 LATEST AVAILABLE	
PM2.5		0.0050	AP-42 LATEST AVAILABLE	
* SOX	7446095	0.0040	AP-42 LATEST AVAILABLE	
* VOC		0.0030	AP-42 LATEST AVAILABLE	

* SCC Factor Exists

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: P116 Housing & Food Services 1120 Bhp Diesel-Fired Engine **SF Type:** PRO

Material:
Fuel: Diesel Fuel **Fuel Data Based on FML:**
SCC: 20100102 - Internal Combustion Engines;Electric Generation;Distillate Oil (Diesel);Reciprocating Burned

%ASH 0 %SULFUR .015 BTU/Lb-Gal-CuFt
 139000

Monthly Throughputs in Gal			
SCHEDULE 1	JAN:	69.70	JUL: 129.40
Date Effective: 01/01/2022	FEB:	59.70	AUG: 59.70
Date End: 12/31/2022	MAR:	59.70	SEP: 59.70
Total Days: 14	APR:	59.70	OCT: 59.70
Total Hours: 9	MAY:	59.70	NOV: 59.70
Days Per Week: 0	JUN:	139.30	DEC: 59.70

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

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
Ammonia	7664417	0.0000	NO FACTOR AVAILABLE	
* CO	630080	0.0130	AP-42 LATEST AVAILABLE	
* Carbon Dioxide	124389	9.9000	AP-42 LATEST AVAILABLE	
Lead	7439921	0.0000	NO FACTOR AVAILABLE	
* Methane	74828	0.0000	AP-42 LATEST AVAILABLE	
* NOX	10102440	0.0480	AP-42 LATEST AVAILABLE	
* Nitrous Oxide	10024972	0.0000	AP-42 LATEST AVAILABLE	
PM-CON		0.0000	NO FACTOR AVAILABLE	
* PM10		0.0013	AP-42 LATEST AVAILABLE	
PM2.5		0.0013	AP-42 LATEST AVAILABLE	
* SOX	7446095	0.0016	AP-42 LATEST AVAILABLE	
* VOC		0.0018	AP-42 LATEST AVAILABLE	
* Benzene	71432		DEP FACTOR USED BY DEP	X
* Ethyl Benzene	100414		DEP FACTOR USED BY DEP	X
* Fluoranthene	206440		DEP FACTOR USED BY DEP	X
* Formaldehyde	50000		DEP FACTOR USED BY DEP	X
* Naphthalene	91203		DEP FACTOR USED BY DEP	X
* Toluene	108883		DEP FACTOR USED BY DEP	X
* Xylenes (Isomers And Mixture)	1330207		DEP FACTOR USED BY DEP	X

* **SCC Factor Exists**

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: P117 Computer Building 2346 Bhp Diesel-Fired Engine **SF Type:** PRO

Material:

Fuel: Diesel Fuel **Fuel Data Based on FML:** FM004

SCC: 20100102 - Internal Combustion Engines;Electric Generation;Distillate Oil (Diesel);Reciprocating Burned

Monthly Throughputs in Gal				
SCHEDULE 1	JAN:	0.00	JUL:	35.70
Date Effective: 01/01/2022	FEB:	71.40	AUG:	23.80
Date End: 12/31/2022	MAR:	59.50	SEP:	11.90
Total Days: 10	APR:	59.50	OCT:	47.60
Total Hours: 5	MAY:	0.00	NOV:	83.30
Days Per Week: 0	JUN:	71.40	DEC:	35.70

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

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
Ammonia	7664417	0.0000	NO FACTOR AVAILABLE	
* CO	630080	0.0057	AP-42 LATEST AVAILABLE	
* Carbon Dioxide	124389	6.7500	AP-42 LATEST AVAILABLE	
Lead	7439921	0.0000	NO FACTOR AVAILABLE	
* Methane	74828	0.0000	AP-42 LATEST AVAILABLE	
* NOX	10102440	0.0450	AP-42 LATEST AVAILABLE	
* Nitrous Oxide	10024972	0.0000	AP-42 LATEST AVAILABLE	
PM-CON		0.0000	NO FACTOR AVAILABLE	
* PM10		0.0014	AP-42 LATEST AVAILABLE	
PM2.5		0.0014	AP-42 LATEST AVAILABLE	
* SOX	7446095	0.0018	AP-42 LATEST AVAILABLE	
* VOC		0.0042	AP-42 LATEST AVAILABLE	
* Benzene	71432		DEP FACTOR USED BY DEP	X
* Ethyl Benzene	100414		DEP FACTOR USED BY DEP	X
* Fluoranthene	206440		DEP FACTOR USED BY DEP	X
* Formaldehyde	50000		DEP FACTOR USED BY DEP	X
* Naphthalene	91203		DEP FACTOR USED BY DEP	X
* Toluene	108883		DEP FACTOR USED BY DEP	X
* Xylenes (Isomers And Mixture)	1330207		DEP FACTOR USED BY DEP	X

* **SCC Factor Exists**

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: P118 Computer Building 2346 Bhp Diesel-Fired Engine **SF Type:** PRO

Material:

Fuel: Diesel Fuel **Fuel Data Based on FML:** FM004

SCC: 20100102 - Internal Combustion Engines;Electric Generation;Distillate Oil (Diesel);Reciprocating Burned

Monthly Throughputs in Gal				
SCHEDULE 1	JAN:	35.70	JUL:	59.50
Date Effective: 01/01/2022	FEB:	35.70	AUG:	11.90
Date End: 12/31/2022	MAR:	71.40	SEP:	23.80
Total Days: 11	APR:	59.50	OCT:	35.70
Total Hours: 4	MAY:	0.00	NOV:	83.30
Days Per Week: 0	JUN:	35.70	DEC:	35.70

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

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
Ammonia	7664417	0.0000	NO FACTOR AVAILABLE	
* CO	630080	0.0060	AP-42 LATEST AVAILABLE	
* Carbon Dioxide	124389	5.4000	AP-42 LATEST AVAILABLE	
Lead	7439921	0.0000	NO FACTOR AVAILABLE	
* Methane	74828	0.0000	AP-42 LATEST AVAILABLE	
* NOX	10102440	0.0440	AP-42 LATEST AVAILABLE	
* Nitrous Oxide	10024972	0.0000	AP-42 LATEST AVAILABLE	
PM-CON		0.0000	NO FACTOR AVAILABLE	
* PM10		0.0014	AP-42 LATEST AVAILABLE	
PM2.5		0.0014	AP-42 LATEST AVAILABLE	
* SOX	7446095	0.0018	AP-42 LATEST AVAILABLE	
* VOC		0.0041	AP-42 LATEST AVAILABLE	
* Benzene	71432		DEP FACTOR USED BY DEP	X
* Ethyl Benzene	100414		DEP FACTOR USED BY DEP	X
* Fluoranthene	206440		DEP FACTOR USED BY DEP	X
* Formaldehyde	50000		DEP FACTOR USED BY DEP	X
* Naphthalene	91203		DEP FACTOR USED BY DEP	X
* Toluene	108883		DEP FACTOR USED BY DEP	X
* Xylenes (Isomers And Mixture)	1330207		DEP FACTOR USED BY DEP	X

* **SCC Factor Exists**

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: P122 Two 433kw Doosan Air Compressors **SF Type:** PRO

Material:
Fuel: Diesel Fuel **Fuel Data Based on FML:**
SCC: 20300101 - Internal Combustion Engines;Commercial/Institutional;Distillate Oil (Diesel);Reciprocating Burned

%ASH 0 %SULFUR 0 BTU/Lb-Gal-CuFt
 139000

Monthly Throughputs in Gal			
SCHEDULE 1	JAN: 94.30	JUL: 32.20	
Date Effective: 01/01/2022	FEB: 69.00	AUG: 78.20	
Date End: 12/31/2022	MAR: 64.40	SEP: 213.90	
Total Days: 180	APR: 115.00	OCT: 115.00	
Total Hours: 47	MAY: 73.60	NOV: 48.30	
Days Per Week: 4	JUN: 94.30	DEC: 71.30	

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

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
Ammonia	7664417	0.0000	NO FACTOR AVAILABLE	
* CO	630080	0.0002	AP-42 LATEST AVAILABLE	
* Carbon Dioxide	124389	12.0400	AP-42 LATEST AVAILABLE	
Lead	7439921	0.0000	NO FACTOR AVAILABLE	
* Methane	74828	0.0000	AP-42 LATEST AVAILABLE	
* NOX	10102440	0.0030	AP-42 LATEST AVAILABLE	
* Nitrous Oxide	10024972	0.0000	AP-42 LATEST AVAILABLE	
PM-CON		0.0000	NO FACTOR AVAILABLE	
* PM10		0.0000	AP-42 LATEST AVAILABLE	
PM2.5		0.0000	AP-42 LATEST AVAILABLE	
* SOX	7446095	0.0000	AP-42 LATEST AVAILABLE	
* VOC		0.0000	AP-42 LATEST AVAILABLE	
Formaldehyde	50000	0.0000	NO FACTOR AVAILABLE	

* **SCC Factor Exists**

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: P171 Combined Heat And Power Dual-Fired Combustion Turbine **SF Type:** PRO

Material:
Fuel: #2 Oil **Fuel Data Based on FML:** FM005
SCC: 20100101 - Internal Combustion Engines;Electric Generation;Distillate Oil (Diesel);Turbine Burned

Monthly Throughputs in Gal			
SCHEDULE 1	JAN: 14,557.00	JUL: 397.00	
Date Effective: 01/01/2022	FEB: 1,371.00	AUG: 0.00	
Date End: 12/31/2022	MAR: 0.00	SEP: 0.00	
Total Days: 4	APR: 0.00	OCT: 0.00	
Total Hours: 26	MAY: 0.00	NOV: 0.00	
Days Per Week: 0	JUN: 397.00	DEC: 0.00	

Material:
Fuel: Natural Gas **Fuel Data Based on FML:** FM04
SCC: 20100201 - Internal Combustion Engines;Electric Generation;Natural Gas;Turbine Burned

Monthly Throughputs in MMCF			
SCHEDULE 1	JAN: 54.04	JUL: 41.67	
Date Effective: 01/01/2022	FEB: 52.57	AUG: 54.38	
Date End: 12/31/2022	MAR: 59.26	SEP: 54.56	
Total Days: 331	APR: 24.41	OCT: 42.00	
Total Hours: 7732	MAY: 47.25	NOV: 52.85	
Days Per Week: 6	JUN: 47.39	DEC: 54.75	

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

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
* SOX	7446095	0.0400	AP-42 LATEST AVAILABLE	
* VOC		0.0000	AP-42 LATEST AVAILABLE	
* Benzene	71432		DEP FACTOR USED BY DEP	X
* Formaldehyde	50000		DEP FACTOR USED BY DEP	X
Ammonia	7664417	0.0000	NO FACTOR AVAILABLE	
* CO	630080	0.0200	CO. STACK TEST APPROVED BY DEP	
* Carbon Dioxide	124389	36,802.6000	AP-42 LATEST AVAILABLE	
Lead	7439921	0.0000	NO FACTOR AVAILABLE	
* Methane	74828	0.6100	AP-42 LATEST AVAILABLE	
* NOX	10102440	5.9800	CO. STACK TEST APPROVED BY DEP	
* Nitrous Oxide	10024972	0.0600	AP-42 LATEST AVAILABLE	
PM-CON		1.7600	AP-42 LATEST AVAILABLE	
* PM10		1.7600	AP-42 LATEST AVAILABLE	
PM2.5		1.7600	AP-42 LATEST AVAILABLE	

* SCC Factor Exists

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

Sub Facility: P172 Wcsp Combustion Turbine And Hrsg **SF Type:** PRO

Material:
Fuel: #2 Oil **Fuel Data Based on FML:** FML#2
SCC: 20300102 - Internal Combustion Engines;Commercial/Institutional;Distillate Oil (Diesel);Turbine Burned

Monthly Throughputs in Gal			
SCHEDULE 1	JAN: 0.00	JUL: 0.00	
Date Effective: 01/01/2022	FEB: 2,652.00	AUG: 0.00	
Date End: 12/31/2022	MAR: 0.00	SEP: 0.00	
Total Days: 3	APR: 580.00	OCT: 0.00	
Total Hours: 20	MAY: 0.00	NOV: 2,800.00	
Days Per Week: 0	JUN: 0.00	DEC: 0.00	

Material:
Fuel: Natural Gas **Fuel Data Based on FML:** FM04
SCC: 20300202 - Internal Combustion Engines;Commercial/Institutional;Natural Gas;Turbine Burned

Monthly Throughputs in MMCF			
SCHEDULE 1	JAN: 7.51	JUL: 13.44	
Date Effective: 01/01/2022	FEB: 6.57	AUG: 47.69	
Date End: 12/31/2022	MAR: 27.00	SEP: 41.59	
Total Days: 278	APR: 46.08	OCT: 0.00	
Total Hours: 6402	MAY: 32.50	NOV: 47.31	
Days Per Week: 5	JUN: 47.70	DEC: 58.92	

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

Pollutant	CAS	Emission Amt (0.0 TPY)	Calculation Method	Use Factor
Ammonia	7664417	0.0000	NO FACTOR AVAILABLE	
* CO	630080	0.0270	CO. STACK TEST APPROVED BY DEP	
* Carbon Dioxide	124389	23,611.0000	AP-42 LATEST AVAILABLE	
Lead	7439921	0.0000	NO FACTOR AVAILABLE	
* Methane	74828	1.2000	AP-42 LATEST AVAILABLE	
* NOX	10102440	4.2400	CO. STACK TEST APPROVED BY DEP	
* Nitrous Oxide	10024972	0.1200	AP-42 LATEST AVAILABLE	
PM-CON		0.0000	NO FACTOR AVAILABLE	
* PM10		1.3000	CO. STACK TEST APPROVED BY DEP	
PM2.5		1.3000	CO. STACK TEST APPROVED BY DEP	
* SOX	7446095	0.0000	AP-42 LATEST AVAILABLE	
* VOC		0.0000	CO. STACK TEST APPROVED BY DEP	

* SCC Factor Exists

Input Form For: 2022	Tax ID/Plant Code: 24-6000376-1
PA STATE UNIV/UNIV PARK CAMPUS	PF ID: 256457

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

SF (Optional Name)	Pollutant	CAS	Emission Amt (0.0 TPY)	Calc. Method
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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)	0.01 TPY
Lead (Pb)	0.01 TPY
Polycyclic Organic Mater (POM)	0.01 TPY
Dioxins (submit Lbs/Yr only)	0.02 Lbs/Yr
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

Input Form For: 2022**Tax ID/Plant Code:** 24-6000376-1**PA STATE UNIV/UNIV PARK CAMPUS****PF ID:** 256457**NOTES****From:** Gary Helsel**Date:** 02/18/2023**Subject:** Boiler Removed From Plant**Message:**

This boiler has been removed from the WCSP for approximately 7-8 years. Please remove it from the AES list.

From: Gary Helsel**Date:** 02/18/2023**Subject:** Boiler Removed From Plant**Message:**

This boiler was demolished approximately 8 years ago and is not longer in operation at the WCSP. Please remove it from the AES Sub Facility list.

From: Gary Helsel**Date:** 02/20/2023**Subject:** Remove Coal from FML List**Message:**

This boiler not longer fires coal. It has been modified to only combust natural gas, by permit.

From: Gary Helsel**Date:** 02/20/2023**Subject:** Source Removed**Message:**

This source has been demolished and no longer operates at the boiler plant. Please remove from AES.

From: Gary Helsel**Date:** 02/21/2023**Subject:** Wood Shop Emissions**Message:**

The Wood Shop has been moved to the Fox Hollow Building and now vents into the shop through a HEPA bag filter. This source can be removed as a sub facility going forward. There is no longer an stack emissions. This is exempt as per Department exemption criteria:

Sources of particulate matter (not subject to NESHAPs, NSPS, PSD, or major source requirements) that are controlled by a baghouse, have an emission rate which meets the limits of Chapter 123, and are exhausted indoors and cannot be bypassed to exhaust to the outdoor atmosphere. These sources should not emit more than 1,000 lbs/yr of a single HAP or one tpy of a combination of HAPs. The HAPs may not contain Polychlorinated Biphenyls (PCBs), Chromium (Cr), Mercury (Hg), Lead (Pb), Polycyclic Organic Matter (POM), Dioxins or Furans. Multiple sources within this category may be exempt from plan approval requirements.

From: Gary Helsel**Date:** 02/24/2023**Subject:** Emission**Message:**

Total emissions are for both the CT and HRSG for this source. Unlike the ECSP, the WCSP is a combined source.

ATTACHMENT(S) TO THIS REPORT

There are no documents attached to this report.