

**TV FER/EIS Emissions Report (201258) for 2010**  
**Duke Energy Ohio, Miami Fort Station**  
**1431350093**  
**April 14, 2011**



Anthracene	120127	0.	0.	0.	TONs
Arsenic	7440382	0.	0.24	0.24	TONs
Benz[A]Anthracene	56553	0.	0.	0.	TONs
Benzene	71432	0.	0.	0.	TONs
Benzo[A]Pyrene	50328	0.	2.26278E-09	2.26278E-09	TONs
Benzo[B]Fluoranthene	205992	0.	0.	0.	TONs
Beryllium	7440417	0.	0.0115	0.0115	TONs
Butadiene, 1,3-	106990	0.	1.43161E-05	1.43161E-05	TONs
Cadmium	7440439	0.	0.0275	0.0275	TONs
Chromium	7440473	0.	0.3405	0.3405	TONs
Chrysene	218019	0.	1.95729E-08	1.95729E-08	TONs
Fluoranthene	206440	0.	1.02214E-07	1.02214E-07	TONs
Fluorene	86737	0.	0.	0.	TONs
Formaldehyde	50000	0.	0.	0.	TONs
Heptachlorodibenzo-P-Dioxin, 1,2,3,4,6,7,8-	35822469	0.	0.	0.	TONs
Heptachlorodibenzofuran, 1,2,3,4,6,7,8-	67562394	0.	0.	0.	TONs
Hexachlorodibenzo-P-Dioxin	34465468	0.	0.	0.	TONs
Hexachlorodibenzo-P-Dioxin, 1,2,3,4,7,8-	39227286	0.	0.	0.	TONs
Hexachlorodibenzo-P-Dioxin, 1,2,3,7,8,9-	19408743	0.	0.	0.	TONs
Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648269	0.	0.	0.	TONs
Hydrochloric Acid (Hydrogen Chloride)	7647010	0.	442.55	442.55	TONs
Hydrogen Fluoride (Hydrofluoric Acid)	7664393	0.	35.65	35.65	TONs
MN - Manganese	7439965	0.	0.2965	0.2965	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0.	0.05365	0.05365	TONs
Naphthalene	91203	0.	0.	0.	TONs
Nickel	7440020	0.	0.3555	0.3555	TONs
Octachlorodibenzo-P-Dioxin	3268879	0.	0.	0.	TONs
Octachlorodibenzofuran	39001020	0.	0.	0.	TONs
PAH, 16-	40	0.	7.15802E-05	7.15802E-05	TONs
Pentachlorodibenzofuran, 1,2,3,7,8-	57117416	0.	0.	0.	TONs
Pentachlorodibenzofuran, 2,3,4,7,8-	57117314	0.	0.	0.	TONs

Phenanthrene	85018	0.	0.	0.	TONs
Polycyclic Organic Matter	246	0.	0.0917453	0.0917453	TONs
Pyrene	129000	0.	0.	0.	TONs
Selenium	7782492	0.	0.288	0.288	TONs
Tetrachlorodibenzofuran, 2,3,7,8-	51207319	0.	0.	0.	TONs
Total Heptachlorodibenzo-P-Dioxin	37871004	0.	0.	0.	TONs
Total Pentachlorodibenzofuran	30402154	0.	0.	0.	TONs

**Attachments**

Description	Type	Public Document	Trade Seceret Document	Trade secret Justification
F002 - Coal Pile Wind Erosion	Calculations	X		
F002 - Coal Pile Load-In & Load-Out Emissions	Calculations	X		
F001 - Coal Unloading and Handling Emissions	Calculations	X		
F004 - Ash Pond Emissions	Calculations	X		
F004 - Ash Pond Wind Erosion	Calculations	X		
F003 - Plant Roadways	Calculations	X		
F005 - Unit 7 Dry Fly Ash Handling Emissions	Calculations	X		
F006 - Unit 8 Dry Fly Ash Handling Emissions	Calculations	X		
F007 - FGD Roadways Emissions	Calculations	X		
F008 - Limestone, Gypsum & Inerts Storage Piles Emissions	Calculations	X		
F008 - Active Gypsum Storage Pile Wind Erosion	Calculations	X		
F008 - Active Limestone Pile Wind Erosion	Calculations	X		
F008 - Inactive Gypsum Storage Pile Wind Erosion	Calculations	X		
F008 - Inactive Limestone Storage Pile Wind Erosion	Calculations	X		
F009 - Limestone Handling Emissions	Calculations	X		
F010 - Gypsum Handling Emissions	Calculations	X		
B007, B010, B011, B012, B013, B015, B016 - Boilers & CTs Emissions	Calculations	X		
Miami Fort Station Emissions Summary	Other	X		
2010 Miami Fort Station EIS Report	Other	X		

- Notes

User Name	Date	Note
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**Emission Units Without Detailed Emissions**

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Emission Unit	Why Excluded	Company Equipment ID
B004	Exemption Status = Permit Exempt	Unit 6 Diesel Generator
B017	Exemption Status = Permit Exempt	Unit 7 Fire Pump
B018	Exemption Status = Permit Exempt	Unit 7 Emergency Generator
B019	Exemption Status = Permit Exempt	Unit 8 Emergency Generator
B020	Exemption Status = Permit Exempt	MF GT # 3 Emergency Generator
L002	Exemption Status = Permit Exempt	Maintenance Shop Degreaser
T001	Exemption Status = Permit Exempt	Fuel Oil Tank # 1
T002	Exemption Status = Permit Exempt	Fuel Oil Tank # 2
T003	Exemption Status = Permit Exempt	Unit 8 Diesel Storage Tank
T004	Exemption Status = Permit Exempt	Unit 7 Diesel Storage Tank
T005	Exemption Status = Permit Exempt	Fuel Oil Tank # 3
Z001	Exemption Status = Permit Exempt	Unit 7 Fire Pump Fuel Tank

**Report Pollutant Summary: Total Emissions (Tons)**

Unit	SCC Id	PM-CON	SO2	NOX	OC	7439921	PM-FIL	PM10-FIL	PM25-FIL	VOC	NH3	CO
B007	1-01-002-12	986.47	17,984	1,259	12.4659	0.020899	110.29	73.89	31.98	12.4659	0.117387	103.882
B007	1-01-005-01	0.262689	0.	0.	0.210151	2.49702E-04	0.404137	0.202068	0.0505171	0.0404137	0.161655	1.01034
B010	2-01-001-01	0.00332897	0.00373602	0.406896	0.00184952	6.47332E-06	0.0019883	0.0019883	0.0019883	1.89576E-04	0.0026928	0.00152585
B011	2-01-001-01	0.0039479	0.00609186	0.482524	0.00219329	7.67653E-06	0.00235788	0.00235788	0.00235788	2.24813E-04	0.0031928	0.00180947
B012	2-01-001-01	0.00311931	0.00350072	0.381268	0.00173303	6.06562E-06	0.00186307	0.00186307	0.00186307	1.77636E-04	0.0025232	0.00142975
B013	2-01-001-01	0.00248781	0.00244301	0.304081	0.00138218	4.83764E-06	0.00148574	0.00148574	0.00148574	1.41674E-04	0.0020132	0.0011403

<b>B015</b>	<b>1-01-002-02</b>	409.882	3,597	2,870	50.7071	0.0464561	215.35	144.28	62.45	50.7071	0.477492	422.559
<b>B015</b>	<b>1-01-005-01</b>	0.772058	0.	0.	0.617646	7.33888E-04	1.18778	0.59389	0.148473	0.118778	0.475112	2.96945
<b>B016</b>	<b>1-01-002-02</b>	355.347	3,369	1,693	43.335	0.0366614	174.06	116.62	50.48	43.335	0.408071	361.125
<b>B016</b>	<b>1-01-005-01</b>	0.737233	0.	0.	0.589787	7.00786E-04	1.1342	0.567102	0.141776	0.113421	0.453682	2.83551
<b>F001</b>	<b>3-05-010-08</b>	0.	0.	0.	0.	0.	19.09	2.83	0.46	0.	0.	0.
<b>F002</b>	<b>3-05-010-08</b>	0.	0.	0.	0.	0.	7.25	3.47	0.45	0.	0.	0.
<b>F002</b>	<b>3-05-010-49</b>	0.	0.	0.	0.	0.	2	1	0.15	0.	0.	0.
<b>F002</b>	<b>3-05-010-24</b>	0.	0.	0.	0.	0.	17.55	4.2	0.61	0.	0.	0.
<b>F003</b>	<b>3-05-010-50</b>	0.	0.	0.	0.	0.	10.41	3.03	0.71	0.	0.	0.
<b>F004</b>	<b>3-05-025-06</b>	0.	0.	0.	0.	0.	0.36	0.18	0.02	0.	0.	0.
<b>F004</b>	<b>3-05-010-49</b>	0.	0.	0.	0.	0.	4.61	2.31	0.35	0.	0.	0.
<b>F005</b>	<b>3-05-025-06</b>	0.	0.	0.	0.	0.	0.04	0.0201	0.0101	0.	0.	0.
<b>F006</b>	<b>3-05-025-06</b>	0.	0.	0.	0.	0.	0.06	0.0301	0.0201	0.	0.	0.
<b>F007</b>	<b>3-05-010-50</b>	0.	0.	0.	0.	0.	1.53	0.4	0.2	0.	0.	0.
<b>F008</b>	<b>3-05-015-04</b>	0.	0.	0.	0.	0.	0.08	0.04	0.	0.	0.	0.
<b>F008</b>	<b>3-05-103-98</b>	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
<b>F008</b>	<b>3-03-008-22</b>	0.	0.	0.	0.	0.	1.27	0.73	0.23	0.	0.	0.
<b>F008</b>	<b>3-05-010-49</b>	0.	0.	0.	0.	0.	0.96	0.5	0.08	0.	0.	0.
<b>F009</b>	<b>3-05-101-05</b>	0.	0.	0.	0.	0.	3.14	3.01	2.01	0.	0.	0.
<b>F010</b>	<b>3-05-015-04</b>	0.	0.	0.	0.	0.	0.13	0.13	0.09	0.	0.	0.

**Report Pollutant Summary (continued)**

<b>Unit</b>	<b>SCC Id</b>	<b>PM-CON</b>	<b>SO2</b>	<b>NOX</b>	<b>OC</b>	<b>7439921</b>	<b>PM-FIL</b>	<b>PM10-FIL</b>	<b>PM25-FIL</b>	<b>VOC</b>	<b>NH3</b>	<b>CO</b>
<b>Total</b>		1,753.48	24,950	5,823.57	107.933	0.105726	570.914	358.041	150.649	106.781	2.10382	894.387

## Emission Unit Summary: B007

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Emissions Unit ID: B007

Detailed Reporting

DAPC Description:

### - Unit Emissions

Pollutant	Code	\$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON		0.	986.733	986.733	TONs	
SO2 - Sulfur Dioxide	SO2	X	0.	17,984	17,984	TONs	X
NOx - Nitrogen Oxides	NOX	X	0.	1,259	1,259	TONs	X
Organic Compounds	OC	X	0.	12.6761	12.6761	TONs	
Pb - Lead	7439921	X	0.	0.0211487	0.0211487	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.	110.694	110.694	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.	74.0921	74.0921	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.	32.0305	32.0305	TONs	
VOC - Volatile Organic Compounds	VOC		0.	12.5063	12.5063	TONs	
Ammonia	NH3		0.	0.279042	0.279042	TONs	
CO - Carbon Monoxide	CO		0.	104.892	104.892	TONs	X
Total of Chargable Pollutants					19,366.4	TONS	

The following Hazardous Air Pollutant information was developed using Ohio EPA-generated hazardous air pollutant emission calculations.&nbsp;  The values may be provided to USEPA by Ohio EPA as part of Ohio EPA's federal grant commitments. You may modify these Ohio EPA-generated hazardous air pollutant emission calculations, at the process level, if you have more accurate information. There is no certification of these values as part of the emissions report submission.

Pollutant	Code	Fugitive Amount	Stack Amount	Total	Units
Acenaphthene	83329	0	0	0.	TONs
Acenaphthylene	208968	0	0	0.	TONs
Anthracene	120127	0	0	0.	TONs
Arsenic	7440382	0.	0.085	0.085	TONs
Benz[A]Anthracene	56553	0	0	0.	TONs
Benzene	71432	0	0	0.	TONs

Benzo[A]Pyrene	50328	0	0	0.	TONs
Benzo[B]Fluoranthene	205992	0	0	0.	TONs
Beryllium	7440417	0.	0.004	0.004	TONs
Cadmium	7440439	0.	0.004	0.004	TONs
Chromium	7440473	0.	0.0525	0.0525	TONs
Chrysene	218019	0	0	0.	TONs
Fluoranthene	206440	0	0	0.	TONs
Fluorene	86737	0	0	0.	TONs
Formaldehyde	50000	0	0	0.	TONs
Heptachlorodibenzo-P-Dioxin, 1,2,3,4,6,7,8-	35822469	0	0	0.	TONs
Heptachlorodibenzofuran, 1,2,3,4,6,7,8-	67562394	0	0	0.	TONs
Hexachlorodibenzo-P-Dioxin	34465468	0	0	0.	TONs
Hexachlorodibenzo-P-Dioxin, 1,2,3,4,7,8-	39227286	0	0	0.	TONs
Hexachlorodibenzo-P-Dioxin, 1,2,3,7,8,9-	19408743	0	0	0.	TONs
Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648269	0	0	0.	TONs
Hydrochloric Acid (Hydrogen Chloride)	7647010	0	369.5	369.5	TONs
Hydrogen Fluoride (Hydrofluoric Acid)	7664393	0	24.75	24.75	TONs
MN - Manganese	7439965	0.	0.0515	0.0515	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0.	0.017	0.017	TONs
Naphthalene	91203	0	0	0.	TONs
Nickel	7440020	0.	0.0535	0.0535	TONs
Octachlorodibenzo-P-Dioxin	3268879	0	0	0.	TONs
Octachlorodibenzofuran	39001020	0	0	0.	TONs
Pentachlorodibenzofuran, 1,2,3,7,8-	57117416	0	0	0.	TONs
Pentachlorodibenzofuran, 2,3,4,7,8-	57117314	0	0	0.	TONs
Phenanthrene	85018	0	0	0.	TONs
Polycyclic Organic Matter	246	0.	0.0121418	0.0121418	TONs
Pyrene	129000	0	0	0.	TONs
Selenium	7782492	0.	0.118	0.118	TONs
Tetrachlorodibenzofuran, 2,3,7,8-	51207319	0	0	0.	TONs
Total Heptachlorodibenzo-P-Dioxin	37871004	0	0	0.	TONs

Total Pentachlorodibenzofuran	30402154	0	0	0.	TONs
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- **Processes**

- **Process & Emissions Detail**

Name: Unit 6 Coal

Source Classification Code (SCC): 1-01-002-12

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 24	Winter (Dec - Feb)%: 29
Days Per Week: 7	Spring (March-May)%: 22
Weeks Per Year: 43	Summer (June-Aug)%: 29
Hours Per Year: 7231	Fall (Sept-Nov)%: 20

Material	Material Action	Throughput	X Units
Bituminous/Subbituminous Coal	Burned	415529	TONs

Variable	Amount	Meaning
A	7.69	% Ash content by weight
HCS	12175	Solid Heat Content (Btu/Lb)
S	2.25	% Sulfur content by weight

- **Process Emissions**

Pollutant	Code	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	emissions: ENG. JUDGEMENT			0	986.47	986.47	TONs	Emission factors were taken from AP-42, Section 1.1, "Bituminous and Subbituminous Coal Combustion, (9/98): 5.116 lbs/ton.
SO2 - Sulfur Dioxide	SO2	X emissions: CEM			0	17984	17,984	TONs	
		X							



				(LBS/X)					
Arsenic	7440382	emissions: ENG. JUDGEMENT			0	0.085	0.085	TONs	
Beryllium	7440417	emissions: ENG. JUDGEMENT			0	0.004	0.004	TONs	
Cadmium	7440439	emissions: ENG. JUDGEMENT			0	0.004	0.004	TONs	
Chromium	7440473	emissions: ENG. JUDGEMENT			0	0.0525	0.0525	TONs	
Hydrochloric Acid (Hydrogen Chloride)	7647010	emissions: ENG. JUDGEMENT			0	369.5	369.5	TONs	
Hydrogen Fluoride (Hydrofluoric Acid)	7664393	emissions: ENG. JUDGEMENT			0	24.75	24.75	TONs	
MN - Manganese	7439965	emissions: ENG. JUDGEMENT			0	0.0515	0.0515	TONs	
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	emissions: ENG. JUDGEMENT			0	0.017	0.017	TONs	
Nickel	7440020	emissions: ENG. JUDGEMENT			0	0.0535	0.0535	TONs	
Polycyclic Organic Matter	246	factor:OEP A (auto calculate)	0	5.844E-05	0.	0.0121418	0.0121418	TONs	
Selenium	7782492	emissions: ENG. JUDGEMENT			0	0.118	0.118	TONs	

- Process & Emissions Detail

Name: Unit 6 Fuel Oil

Source Classification Code (SCC): 1-01-005-01

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 43

Hours Per Year: 7231

Winter (Dec - Feb)%: 14

Spring (March-May)%: 36

Summer (June-Aug)%: 26

Fall (Sept-Nov)%: 24

Material	Material Action	Throughput	X Units
Distillate Oil	Burned	404.137	1000 GALLONS

Variable	Amount	Meaning
HCl	137303	Liquid Heat Content (Btu/gallons)
S	0.025	% Sulfur content by weight

- **Process Emissions**

Pollutant	Code	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	factor:OEP A (auto calculate)	0	1.3	0.	0.262689	0.262689	TONs	
SO2 - Sulfur Dioxide	SO2	X emissions:CEM			0	0	0.	TONs	Unit 6's total sulfur dioxide emissions are reported in the coal section.
NOx - Nitrogen Oxides	NOX	X emissions:CEM			0	0	0.	TONs	Unit 6's total nitrogen oxides emissions are reported in the coal section.
Organic Compounds	OC	X factor:OEP A (auto calculate)	0	1.04	0.	0.210151	0.210151	TONs	
Pb - Lead	7439921	X factor:OEP A (auto calculate)	0	0.00123573	0.	2.49702E-04	2.49702E-04	TONs	
PE (Filt) - Primary PM,	PM-FIL	X factor:OEP A (auto	0	2	0.	0.404137	0.404137	TONs	

Filterable Portion Only		calculate)							
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	factor:OEP A (auto calculate)	0	1	0.	0.202068	0.202068	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	factor:OEP A (auto calculate)	0	0.25	0.	0.0505171	0.0505171	TONs	
VOC - Volatile Organic Compounds	VOC	factor:OEP A (auto calculate)	0	0.2	0.	0.0404137	0.0404137	TONs	
Ammonia	NH3	factor:OEP A (auto calculate)	0	0.8	0.	0.161655	0.161655	TONs	
CO - Carbon Monoxide	CO	factor:OEP A (auto calculate)	0	5	0.	1.01034	1.01034	TONs	
Total of Chargable Pollutants							0.614538	TONs	

The following Hazardous Air Pollutant information was developed using Ohio EPA-generated hazardous air pollutant emission calculations. The values may be provided to USEPA by Ohio EPA as part of Ohio EPA's federal grant commitments. You may modify these Ohio EPA-generated hazardous air pollutant emission calculations, at the process level, if you have more accurate information. There is no certification of these values as part of the emissions report submission.

**Process Emissions**

Pollutant	Code	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
Acenaphthene	83329	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Acenaphthylene	208968	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Anthracene	120127	emissions: ENG. JUDGEMENT			0	0	0.	TONs	

Arsenic	7440382	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Benz[A]Anthracene	56553	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Benzene	71432	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Benzo[A]Pyrene	50328	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Benzo[B]Fluoranthene	205992	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Beryllium	7440417	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Cadmium	7440439	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Chromium	7440473	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Chrysene	218019	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Fluoranthene	206440	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Fluorene	86737	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Formaldehyde	50000	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Heptachlorodibenzo-P-Dioxin, 1,2,3,4,6,7,8-	3582246 9	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Heptachlorodibenzofuran, 1,2,3,4,6,7,8-	6756239 4	emissions: ENG. JUDGEMENT			0	0	0.	TONs	

Hexachlorodibenzo-P-Dioxin	34465468	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Hexachlorodibenzo-P-Dioxin, 1,2,3,4,7,8-	39227286	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Hexachlorodibenzo-P-Dioxin, 1,2,3,7,8,9-	19408743	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648269	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
MN - Manganese	7439965	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Naphthalene	91203	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Nickel	7440020	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Octachlorodibenzo-P-Dioxin	3268879	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Octachlorodibenzofuran	39001020	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pentachlorodibenzofuran, 1,2,3,7,8-	57117416	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pentachlorodibenzofuran, 2,3,4,7,8-	57117314	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Phenanthrene	85018	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Polycyclic	246	emissions:			0	0	0.	TONs	

Organic Matter		ENG. JUDGEMENT							
Pyrene	129000	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Selenium	7782492	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Tetrachlorodibenzofuran, 2,3,7,8-	5120731 9	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total Heptachlorodibenzop-Dioxin	3787100 4	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total Pentachlorodibenzofuran	3040215 4	emissions: ENG. JUDGEMENT			0	0	0.	TONs	

## Emission Unit Summary: B010

Oct 9 2011, 16:02:35

Emissions Unit ID: B010

Detailed Reporting

DAPC Description:

### - Unit Emissions

Pollutant	Code	\$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON		0.	0.00332897	0.00332897	TONs	
SO2 - Sulfur Dioxide	SO2	X	0.	0.00373602	0.00373602	TONs	
NOx - Nitrogen Oxides	NOX	X	0.	0.406896	0.406896	TONs	
Organic Compounds	OC	X	0.	0.00184952	0.00184952	TONs	
Pb - Lead	7439921	X	0.	6.47332E-06	6.47332E-06	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.	0.0019883	0.0019883	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.	0.0019883	0.0019883	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.	0.0019883	0.0019883	TONs	
VOC - Volatile Organic Compounds	VOC		0.	1.89576E-04	1.89576E-04	TONs	
Ammonia	NH3		0.	0.0026928	0.0026928	TONs	
CO - Carbon Monoxide	CO		0.	0.00152585	0.00152585	TONs	
Total of Chargable Pollutants					0.414476	TONS	

The following Hazardous Air Pollutant information was developed using Ohio EPA-generated hazardous air pollutant emission calculations.&nbsp;   The values may be provided to USEPA by Ohio EPA as part of Ohio EPA's federal grant commitments. You may modify these Ohio EPA-generated hazardous air pollutant emission calculations, at the process level, if you have more accurate information. There is no certification of these values as part of the emissions report submission.

Pollutant	Code	Fugitive Amount	Stack Amount	Total	Units
Arsenic	7440382	0	0	0.	TONs
Benzene	71432	0	0	0.	TONs
Benzo[A]Pyrene	50328	0.	8.42863E-10	8.42863E-10	TONs
Beryllium	7440417	0	0	0.	TONs
Butadiene, 1,3-	106990	0.	3.69903E-06	3.69903E-06	TONs
Cadmium	7440439	0	0	0.	TONs

Chromium	7440473	0	0	0.	TONs
Chrysene	218019	0.	5.05718E-09	5.05718E-09	TONs
Fluoranthene	206440	0.	2.64097E-08	2.64097E-08	TONs
Formaldehyde	50000	0	0	0.	TONs
MN - Manganese	7439965	0	0	0.	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0	0	0.	TONs
Naphthalene	91203	0	0	0.	TONs
Nickel	7440020	0	0	0.	TONs
PAH, 16-	40	0.	1.84952E-05	1.84952E-05	TONs
Selenium	7782492	0	0	0.	TONs

- **Processes**

- **Process & Emissions Detail**

Name: CT #3 Fuel Oil

Source Classification Code (SCC): 2-01-001-01

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 1

Days Per Week: 1

Weeks Per Year: 12

Hours Per Year: 12

Winter (Dec - Feb)%: 0

Spring (March-May)%: 0

Summer (June-Aug)%: 100

Fall (Sept-Nov)%: 0

Material	Material Action	Throughput	X Units
Distillate Oil (Diesel)	Burned	6.732	1000 GALLONS

Variable	Amount	Meaning
HCl	137368	Liquid Heat Content (Btu/gallons)
S	0.008	% Sulfur content by weight

- **Process Emissions**

Pollutant	Code	\$ Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	factor:ENG . JUDGEMENT	0	0.989	0.	0.00332897	0.00332897	TONs	Emission factors were taken from AP-42, Section 3.1, "Stationary Gas Turbine", (4/00): 0.0072 lbs/MMBtu.
SO2 - Sulfur Dioxide	SO2	X factor:OEP A (auto calculate)	0	1.10993	0.	0.00373602	0.00373602	TONs	
NOx - Nitrogen Oxides	NOX	X factor:OEP A (auto calculate)	0	120.884	0.	0.406896	0.406896	TONs	
Organic Compounds	OC	X factor:OEP A (auto calculate)	0	0.549472	0.	0.00184952	0.00184952	TONs	
Pb - Lead	7439921	X factor:OEP A (auto calculate)	0	0.00192315	0.	6.47332E-06	6.47332E-06	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X factor:ENG . JUDGEMENT	0	0.5907	0.	0.0019883	0.0019883	TONs	Emission factors were taken from AP-42, Section 3.1, "Stationary Gas Turbines", (4/00): 0.0043 lbs/MMBtu.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	factor:ENG . JUDGEMENT	0	0.5907	0.	0.0019883	0.0019883	TONs	Emission factors were taken from AP-42, Section 3.1, "Stationary Gas Turbines", (4/00): 0.0043 lbs/MMBtu.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	factor:ENG . JUDGEMENT	0	0.5907	0.	0.0019883	0.0019883	TONs	Emission factors were taken from AP-42, Section 3.1, "Stationary Gas Turbines", (4/00): 0.0043 lbs/MMBtu.
VOC - Volatile Organic Compounds	VOC	factor:OEP A (auto calculate)	0	0.0563209	0.	1.89576E-04	1.89576E-04	TONs	
Ammonia	NH3	factor:ENG . JUDGEMENT	0	0.8	0.	0.0026928	0.0026928	TONs	Emission factors were taken from "Development and Selection of Ammonia Emission Factors", (USEPA, Aug, 1994): 0.8 lbs/1000 gals.
CO - Carbon Monoxide	CO	factor:OEP A (auto calculate)	0	0.453314	0.	0.00152585	0.00152585	TONs	



		ENG. JUDGEMENT							
MN - Manganese	7439965	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Naphthalene	91203	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Nickel	7440020	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PAH, 16-	40	factor:OEP A (auto calculate)	0	0.005494 72	0.	1.84952E-05	1.84952E-05	TONs	
Selenium	7782492	emissions: ENG. JUDGEMENT			0	0	0.	TONs	

## Emission Unit Summary: B011

Oct 9 2011, 16:02:35

Emissions Unit ID: B011

Detailed Reporting

DAPC Description:

### - Unit Emissions

Pollutant	Code	\$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON		0.	0.0039479	0.0039479	TONs	
SO2 - Sulfur Dioxide	SO2	X	0.	0.00609186	0.00609186	TONs	
NOx - Nitrogen Oxides	NOX	X	0.	0.482524	0.482524	TONs	
Organic Compounds	OC	X	0.	0.00219329	0.00219329	TONs	
Pb - Lead	7439921	X	0.	7.67653E-06	7.67653E-06	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.	0.00235788	0.00235788	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.	0.00235788	0.00235788	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.	0.00235788	0.00235788	TONs	
VOC - Volatile Organic Compounds	VOC		0.	2.24813E-04	2.24813E-04	TONs	
Ammonia	NH3		0.	0.0031928	0.0031928	TONs	
CO - Carbon Monoxide	CO		0.	0.00180947	0.00180947	TONs	
Total of Chargable Pollutants					0.493175	TONS	

The following Hazardous Air Pollutant information was developed using Ohio EPA-generated hazardous air pollutant emission calculations.&nbsp;  The values may be provided to USEPA by Ohio EPA as part of Ohio EPA's federal grant commitments. You may modify these Ohio EPA-generated hazardous air pollutant emission calculations, at the process level, if you have more accurate information. There is no certification of these values as part of the emissions report submission.

Pollutant	Code	Fugitive Amount	Stack Amount	Total	Units
Arsenic	7440382	0	0	0.	TONs
Benzene	71432	0	0	0.	TONs
Benzo[A]Pyrene	50328	0	0	0.	TONs
Beryllium	7440417	0	0	0.	TONs
Butadiene, 1,3-	106990	0.	4.38659E-06	4.38659E-06	TONs
Cadmium	7440439	0	0	0.	TONs

Chromium	7440473	0	0	0.	TONs
Chrysene	218019	0.	5.9962E-09	5.9962E-09	TONs
Fluoranthene	206440	0.	3.13135E-08	3.13135E-08	TONs
Formaldehyde	50000	0	0	0.	TONs
MN - Manganese	7439965	0	0.0005	5E-04	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0	0	0.	TONs
Naphthalene	91203	0	0	0.	TONs
Nickel	7440020	0	0	0.	TONs
PAH, 16-	40	0.	2.19329E-05	2.19329E-05	TONs
Selenium	7782492	0	0	0.	TONs

- **Processes**

- **Process & Emissions Detail**

Name: CT #4 Fuel Oil

Source Classification Code (SCC): 2-01-001-01

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 1  
Days Per Week: 1  
Weeks Per Year: 12  
Hours Per Year: 12

Winter (Dec - Feb)%: 16  
Spring (March-May)%: 0  
Summer (June-Aug)%: 84  
Fall (Sept-Nov)%: 0

Material	Material Action	Throughput	X Units
Distillate Oil (Diesel)	Burned	7.982	1000 GALLONS

Variable	Amount	Meaning
HCl	137390	Liquid Heat Content (Btu/gallons)
S	0.011	% Sulfur content by weight

- **Process Emissions**

Pollutant	Code	\$ Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	factor:ENG . JUDGEMENT	0	0.9892	0.	0.0039479	0.0039479	TONs	Emission factors were taken from AP-42, Section 3.1, "Stationary Gas Turbines", (4/00): 0.0072 lbs/MMBtu.
SO2 - Sulfur Dioxide	SO2	X factor:OEP A (auto calculate)	0	1.5264	0.	0.00609186	0.00609186	TONs	
NOx - Nitrogen Oxides	NOX	X factor:OEP A (auto calculate)	0	120.903	0.	0.482524	0.482524	TONs	
Organic Compounds	OC	X factor:OEP A (auto calculate)	0	0.54956	0.	0.00219329	0.00219329	TONs	
Pb - Lead	7439921	X factor:OEP A (auto calculate)	0	0.00192346	0.	7.67653E-06	7.67653E-06	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X factor:ENG . JUDGEMENT	0	0.5908	0.	0.00235788	0.00235788	TONs	Emission factors were taken from AP-42, Section 3.1, "Stationary Gas Turbines", (4/00): 0.0043 lbs/MMBtu.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	factor:ENG . JUDGEMENT	0	0.5908	0.	0.00235788	0.00235788	TONs	Emission factors were taken from AP-42, Section 3.1, "Stationary Gas Turbines", (4/00): 0.0043 lbs/MMBtu.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	factor:ENG . JUDGEMENT	0	0.5908	0.	0.00235788	0.00235788	TONs	Emission factors were taken from AP-42, Section 3.1, "Stationary Gas Turbines", (4/00): 0.0043 lbs/MMBtu.
VOC - Volatile Organic Compounds	VOC	factor:OEP A (auto calculate)	0	0.0563299	0.	2.24813E-04	2.24813E-04	TONs	
Ammonia	NH3	factor:ENG . JUDGEMENT	0	0.8	0.	0.0031928	0.0031928	TONs	Emission factors were taken from "Development and Selection of Ammonia Emission Factors", (USEPA, Aug, 1994): 0.8 lbs/1000 gals.
CO - Carbon Monoxide	CO	factor:OEP A (auto calculate)	0	0.453387	0.	0.00180947	0.00180947	TONs	



		ENG. JUDGEMENT							
MN - Manganese	7439965	emissions: ENG. JUDGEMENT			0	0.0005	5E-04	TONs	
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Naphthalene	91203	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Nickel	7440020	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PAH, 16-	40	factor:OEP A (auto calculate)	0	0.005495 6	0.	2.19329E-05	2.19329E-05	TONs	
Selenium	7782492	emissions: ENG. JUDGEMENT			0	0	0.	TONs	

## Emission Unit Summary: B012

Oct 9 2011, 16:02:35

Emissions Unit ID: B012

Detailed Reporting

DAPC Description:

### - Unit Emissions

Pollutant	Code	\$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON		0.	0.00311931	0.00311931	TONs	
SO2 - Sulfur Dioxide	SO2	X	0.	0.00350072	0.00350072	TONs	
NOx - Nitrogen Oxides	NOX	X	0.	0.381268	0.381268	TONs	
Organic Compounds	OC	X	0.	0.00173303	0.00173303	TONs	
Pb - Lead	7439921	X	0.	6.06562E-06	6.06562E-06	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.	0.00186307	0.00186307	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.	0.00186307	0.00186307	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.	0.00186307	0.00186307	TONs	
VOC - Volatile Organic Compounds	VOC		0.	1.77636E-04	1.77636E-04	TONs	
Ammonia	NH3		0.	0.0025232	0.0025232	TONs	
CO - Carbon Monoxide	CO		0.	0.00142975	0.00142975	TONs	
Total of Chargable Pollutants					0.388371	TONS	

The following Hazardous Air Pollutant information was developed using Ohio EPA-generated hazardous air pollutant emission calculations.&nbsp;   The values may be provided to USEPA by Ohio EPA as part of Ohio EPA's federal grant commitments. You may modify these Ohio EPA-generated hazardous air pollutant emission calculations, at the process level, if you have more accurate information. There is no certification of these values as part of the emissions report submission.

Pollutant	Code	Fugitive Amount	Stack Amount	Total	Units
Arsenic	7440382	0	0	0.	TONs
Benzene	71432	0	0	0.	TONs
Benzo[A]Pyrene	50328	0.	7.89777E-10	7.89777E-10	TONs
Beryllium	7440417	0	0	0.	TONs
Butadiene, 1,3-	106990	0.	3.46606E-06	3.46606E-06	TONs
Cadmium	7440439	0	0	0.	TONs

Chromium	7440473	0	0	0.	TONs
Chrysene	218019	0.	4.73866E-09	4.73866E-09	TONs
Fluoranthene	206440	0.	2.47464E-08	2.47464E-08	TONs
Formaldehyde	50000	0	0	0.	TONs
MN - Manganese	7439965	0	0	0.	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0	0	0.	TONs
Naphthalene	91203	0	0	0.	TONs
Nickel	7440020	0	0	0.	TONs
PAH, 16-	40	0.	1.73303E-05	1.73303E-05	TONs
Selenium	7782492	0	0	0.	TONs

- **Processes**

- **Process & Emissions Detail**

Name: CT #5 Fuel Oil

Source Classification Code (SCC): 2-01-001-01

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 1

Days Per Week: 1

Weeks Per Year: 13

Hours Per Year: 13

Winter (Dec - Feb)%: 0

Spring (March-May)%: 0

Summer (June-Aug)%: 100

Fall (Sept-Nov)%: 0

Material	Material Action	Throughput	X Units
Distillate Oil (Diesel)	Burned	6.308	1000 GALLONS

Variable	Amount	Meaning
HCl	137368	Liquid Heat Content (Btu/gallons)
S	0.008	% Sulfur content by weight

- **Process Emissions**

Pollutant	Code	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	factor:ENG . JUDGEMENT	0	0.989	0.	0.00311931	0.00311931	TONs	Emission factors were taken from AP-42, Section 3.1, "Stationary Gas Turbines", (4/00): 0.0072 lbs/MMBtu.
SO2 - Sulfur Dioxide	SO2	X factor:OEP A (auto calculate)	0	1.10993	0.	0.00350072	0.00350072	TONs	
NOx - Nitrogen Oxides	NOX	X factor:OEP A (auto calculate)	0	120.884	0.	0.381268	0.381268	TONs	
Organic Compounds	OC	X factor:OEP A (auto calculate)	0	0.549472	0.	0.00173303	0.00173303	TONs	
Pb - Lead	7439921	X factor:OEP A (auto calculate)	0	0.001923 15	0.	6.06562E-06	6.06562E-06	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X factor:ENG . JUDGEMENT	0	0.5907	0.	0.00186307	0.00186307	TONs	Emission factors were taken from AP-42, Section 3.1, "Stationary Gas Turbines", (4/00): 0.0043 lbs/MMBtu.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	factor:ENG . JUDGEMENT	0	0.5907	0.	0.00186307	0.00186307	TONs	Emission factors were taken from AP-42, Section 3.1, "Stationary Gas Turbines", (4/00): 0.0043 lbs/MMBtu.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	factor:ENG . JUDGEMENT	0	0.5907	0.	0.00186307	0.00186307	TONs	Emission factors were taken from AP-42, Section 3.1, "Stationary Gas Turbines", (4/00): 0.0043 lbs/MMBtu.
VOC - Volatile Organic Compounds	VOC	factor:OEP A (auto calculate)	0	0.056320 9	0.	1.77636E-04	1.77636E-04	TONs	
Ammonia	NH3	factor:ENG . JUDGEMENT	0	0.8	0.	0.0025232	0.0025232	TONs	Emission factors were taken from "Development and Selection of Ammonia Emission Factors", (USEPA, Aug, 1994): 0.8 lbs/1000 gals.
CO - Carbon Monoxide	CO	factor:OEP A (auto calculate)	0	0.453314	0.	0.00142975	0.00142975	TONs	



		ENG. JUDGEMENT							
MN - Manganese	7439965	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Naphthalene	91203	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Nickel	7440020	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PAH, 16-	40	factor:OEP A (auto calculate)	0	0.005494 72	0.	1.73303E-05	1.73303E-05	TONs	
Selenium	7782492	emissions: ENG. JUDGEMENT			0	0	0.	TONs	



Chromium	7440473	0	0	0.	TONs
Chrysene	218019	0.	3.78086E-09	3.78086E-09	TONs
Fluoranthene	206440	0.	1.97445E-08	1.97445E-08	TONs
Formaldehyde	50000	0	0	0.	TONs
MN - Manganese	7439965	0	0	0.	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0	0	0.	TONs
Naphthalene	91203	0	0	0.	TONs
Nickel	7440020	0	0	0.	TONs
PAH, 16-	40	0.	1.38218E-05	1.38218E-05	TONs
Selenium	7782492	0	0	0.	TONs

- **Processes**

- **Process & Emissions Detail**

Name: CT #6 Fuel Oil

Source Classification Code (SCC): 2-01-001-01

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 1

Days Per Week: 1

Weeks Per Year: 7

Hours Per Year: 7

Winter (Dec - Feb)%: 0

Spring (March-May)%: 0

Summer (June-Aug)%: 75

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Distillate Oil (Diesel)	Burned	5.033	1000 GALLONS

Variable	Amount	Meaning
HCl	137312	Liquid Heat Content (Btu/gallons)
S	0.007	% Sulfur content by weight

- **Process Emissions**

Pollutant	Code	\$ Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	factor:ENG . JUDGEMENT	0	0.9886	0.	0.00248781	0.00248781	TONs	Emission factors were taken from AP-42, Section 3.1, "Stationary Gas Turbines", (4/00): 0.0072 lbs/MMBtu.
SO2 - Sulfur Dioxide	SO2	X factor:OEP A (auto calculate)	0	0.970796	0.	0.00244301	0.00244301	TONs	
NOx - Nitrogen Oxides	NOX	X factor:OEP A (auto calculate)	0	120.835	0.	0.304081	0.304081	TONs	
Organic Compounds	OC	X factor:OEP A (auto calculate)	0	0.549248	0.	0.00138218	0.00138218	TONs	
Pb - Lead	7439921	X factor:OEP A (auto calculate)	0	0.001922 37	0.	4.83764E-06	4.83764E-06	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X factor:ENG . JUDGEMENT	0	0.5904	0.	0.00148574	0.00148574	TONs	Emission factors were taken from AP-42, Section 3.1, "Stationary Gas Turbines", (4/00): 0.0043 lbs/MMBtu.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	factor:ENG . JUDGEMENT	0	0.5904	0.	0.00148574	0.00148574	TONs	Emission factors were taken from AP-42, Section 3.1, "Stationary Gas Turbines", (4/00): 0.0043 lbs/MMBtu.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	factor:ENG . JUDGEMENT	0	0.5904	0.	0.00148574	0.00148574	TONs	Emission factors were taken from AP-42, Section 3.1, "Stationary Gas Turbines", (4/00): 0.0043 lbs/MMBtu.
VOC - Volatile Organic Compounds	VOC	factor:OEP A (auto calculate)	0	0.056297 9	0.	1.41674E-04	1.41674E-04	TONs	
Ammonia	NH3	factor:ENG . JUDGEMENT	0	0.8	0.	0.0020132	0.0020132	TONs	Emission factors were taken from "Development and Selection of Ammonia Emission Factors", (USEPA, Aug, 1994): 0.8 lbs/1000 gals.
CO - Carbon Monoxide	CO	factor:OEP A (auto calculate)	0	0.45313	0.	0.0011403	0.0011403	TONs	



		ENG. JUDGEMENT							
MN - Manganese	7439965	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Naphthalene	91203	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Nickel	7440020	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PAH, 16-	40	factor:OEP A (auto calculate)	0	0.005492 48	0.	1.38218E-05	1.38218E-05	TONs	
Selenium	7782492	emissions: ENG. JUDGEMENT			0	0	0.	TONs	



Benzo[A]Pyrene	50328	0	0	0.	TONs
Benzo[B]Fluoranthene	205992	0	0	0.	TONs
Beryllium	7440417	0.	0.0035	0.0035	TONs
Cadmium	7440439	0.	0.0115	0.0115	TONs
Chromium	7440473	0.	0.1425	0.1425	TONs
Chrysene	218019	0	0	0.	TONs
Fluoranthene	206440	0	0	0.	TONs
Fluorene	86737	0	0	0.	TONs
Formaldehyde	50000	0	0	0.	TONs
Heptachlorodibenzo-P-Dioxin, 1,2,3,4,6,7,8-	35822469	0	0	0.	TONs
Heptachlorodibenzofuran, 1,2,3,4,6,7,8-	67562394	0	0	0.	TONs
Hexachlorodibenzo-P-Dioxin	34465468	0	0	0.	TONs
Hexachlorodibenzo-P-Dioxin, 1,2,3,4,7,8-	39227286	0	0	0.	TONs
Hexachlorodibenzo-P-Dioxin, 1,2,3,7,8,9-	19408743	0	0	0.	TONs
Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648269	0	0	0.	TONs
Hydrochloric Acid (Hydrogen Chloride)	7647010	0	36.9	36.9	TONs
Hydrogen Fluoride (Hydrofluoric Acid)	7664393	0	5.5	5.5	TONs
MN - Manganese	7439965	0.	0.121	0.121	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0.	0.0185	0.0185	TONs
Naphthalene	91203	0	0	0.	TONs
Nickel	7440020	0.	0.15	0.15	TONs
Octachlorodibenzo-P-Dioxin	3268879	0	0	0.	TONs
Octachlorodibenzofuran	39001020	0	0	0.	TONs
Pentachlorodibenzofuran, 1,2,3,7,8-	57117416	0	0	0.	TONs
Pentachlorodibenzofuran, 2,3,4,7,8-	57117314	0	0	0.	TONs
Phenanthrene	85018	0	0	0.	TONs
Polycyclic Organic Matter	246	0.	0.0426594	0.0426594	TONs
Pyrene	129000	0	0	0.	TONs
Selenium	7782492	0.	0.086	0.086	TONs
Tetrachlorodibenzofuran, 2,3,7,8-	51207319	0	0	0.	TONs
Total Heptachlorodibenzo-P-Dioxin	37871004	0	0	0.	TONs

Total Pentachlorodibenzofuran	30402154	0	0	0.	TONs
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- **Processes**

- **Process & Emissions Detail**

Name: Unit 7 Coal

Source Classification Code (SCC): 1-01-002-02

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 51

Hours Per Year: 8499

Winter (Dec - Feb)%: 26

Spring (March-May)%: 22

Summer (June-Aug)%: 26

Fall (Sept-Nov)%: 26

Material	Material Action	Throughput	X Units
Bituminous/Subbituminous Coal	Burned	1690236	TONs

Variable	Amount	Meaning
A	7.85	% Ash content by weight
HCS	12134	Solid Heat Content (Btu/Lb)
S	2.92	% Sulfur content by weight

- **Process Emissions**

Pollutant	Code	Method Used	Hours UnCont	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	factor:ENG JUDGEMENT	0	0.485	0.	409.882	409.882	TONs	Emission factors were taken from AP-42, Section 1.1, "Bituminous and Subbituminous Coal Combustion, (9/98).
SO2 - Sulfur Dioxide	SO2	X emissions: CEM			0	3597	3,597	TONs	
		X							



				(LBS/X)					
Arsenic	7440382	emissions: ENG. JUDGEMENT			0	0.076	0.076	TONs	
Beryllium	7440417	emissions: ENG. JUDGEMENT			0	0.0035	0.0035	TONs	
Cadmium	7440439	emissions: ENG. JUDGEMENT			0	0.0115	0.0115	TONs	
Chromium	7440473	emissions: ENG. JUDGEMENT			0	0.1425	0.1425	TONs	
Hydrochloric Acid (Hydrogen Chloride)	7647010	emissions: ENG. JUDGEMENT			0	36.9	36.9	TONs	
Hydrogen Fluoride (Hydrofluoric Acid)	7664393	emissions: ENG. JUDGEMENT			0	5.5	5.5	TONs	
MN - Manganese	7439965	emissions: ENG. JUDGEMENT			0	0.121	0.121	TONs	
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	emissions: ENG. JUDGEMENT			0	0.0185	0.0185	TONs	
Nickel	7440020	emissions: ENG. JUDGEMENT			0	0.15	0.15	TONs	
Polycyclic Organic Matter	246	factor:OEP A (auto calculate)	0	5.04774E -05	0.	0.0426594	0.0426594	TONs	
Selenium	7782492	emissions: ENG. JUDGEMENT			0	0.086	0.086	TONs	

- Process & Emissions Detail

Name: Unit 7 Fuel Oil

Source Classification Code (SCC): 1-01-005-01

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 24  
 Days Per Week: 7  
 Weeks Per Year: 51  
 Hours Per Year: 8499

Winter (Dec - Feb)%: 22  
 Spring (March-May)%: 39  
 Summer (June-Aug)%: 26  
 Fall (Sept-Nov)%: 13

Material	Material Action	Throughput	X Units
Distillate Oil	Burned	1187.781	1000 GALLONS

Variable	Amount	Meaning
HCl	137303	Liquid Heat Content (Btu/gallons)
S	0.025	% Sulfur content by weight

- **Process Emissions**

Pollutant	Code	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	factor:OEP A (auto calculate)	0	1.3	0.	0.772058	0.772058	TONs	
SO2 - Sulfur Dioxide	SO2	X emissions:CEM			0	0	0.	TONs	Unit 7's total sulfur dioxide emissions are reported in the coal section.
NOx - Nitrogen Oxides	NOX	X emissions:CEM			0	0	0.	TONs	Unit 7's total nitrogen oxides emissions are reported in the coal section.
Organic Compounds	OC	X factor:OEP A (auto calculate)	0	1.04	0.	0.617646	0.617646	TONs	
Pb - Lead	7439921	X factor:OEP A (auto calculate)	0	0.00123573	0.	7.33888E-04	7.33888E-04	TONs	
PE (Filt) - Primary PM,	PM-FIL	X factor:OEP A (auto	0	2	0.	1.18778	1.18778	TONs	

Filterable Portion Only		calculate)							
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	factor:OEP A (auto calculate)	0	1	0.	0.59389	0.59389	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	factor:OEP A (auto calculate)	0	0.25	0.	0.148473	0.148473	TONs	
VOC - Volatile Organic Compounds	VOC	factor:OEP A (auto calculate)	0	0.2	0.	0.118778	0.118778	TONs	
Ammonia	NH3	factor:OEP A (auto calculate)	0	0.8	0.	0.475112	0.475112	TONs	
CO - Carbon Monoxide	CO	factor:OEP A (auto calculate)	0	5	0.	2.96945	2.96945	TONs	
Total of Chargable Pollutants							1.80616	TONS	

The following Hazardous Air Pollutant information was developed using Ohio EPA-generated hazardous air pollutant emission calculations. The values may be provided to USEPA by Ohio EPA as part of Ohio EPA's federal grant commitments. You may modify these Ohio EPA-generated hazardous air pollutant emission calculations, at the process level, if you have more accurate information. There is no certification of these values as part of the emissions report submission.

**Process Emissions**

Pollutant	Code	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
Acenaphthene	83329	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Acenaphthylene	208968	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Anthracene	120127	emissions: ENG. JUDGEMENT			0	0	0.	TONs	

Arsenic	7440382	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Benz[A]Anthracene	56553	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Benzene	71432	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Benzo[A]Pyrene	50328	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Benzo[B]Fluoranthene	205992	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Beryllium	7440417	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Cadmium	7440439	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Chromium	7440473	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Chrysene	218019	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Fluoranthene	206440	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Fluorene	86737	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Formaldehyde	50000	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Heptachlorodibenzo-P-Dioxin, 1,2,3,4,6,7,8-	35822469	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Heptachlorodibenzofuran, 1,2,3,4,6,7,8-	67562394	emissions: ENG. JUDGEMENT			0	0	0.	TONs	

Hexachlorodibenzo-P-Dioxin	34465468	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Hexachlorodibenzo-P-Dioxin, 1,2,3,4,7,8-	39227286	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Hexachlorodibenzo-P-Dioxin, 1,2,3,7,8,9-	19408743	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648269	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
MN - Manganese	7439965	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Naphthalene	91203	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Nickel	7440020	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Octachlorodibenzo-P-Dioxin	3268879	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Octachlorodibenzofuran	39001020	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pentachlorodibenzofuran, 1,2,3,7,8-	57117416	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pentachlorodibenzofuran, 2,3,4,7,8-	57117314	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Phenanthrene	85018	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Polycyclic	246	emissions:			0	0	0.	TONs	

Organic Matter		ENG. JUDGEMENT							
Pyrene	129000	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Selenium	7782492	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Tetrachlorodibenzofuran, 2,3,7,8-	5120731 9	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total Heptachlorodibenzodioxin	3787100 4	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total Pentachlorodibenzofuran	3040215 4	emissions: ENG. JUDGEMENT			0	0	0.	TONs	

## Emission Unit Summary: B016

Oct 9 2011, 16:02:35

Emissions Unit ID: B016

Detailed Reporting

DAPC Description:

### - Unit Emissions

Pollutant	Code	\$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON		0.	356.084	356.084	TONs	
SO2 - Sulfur Dioxide	SO2	X	0.	3,369	3,369	TONs	X
NOx - Nitrogen Oxides	NOX	X	0.	1,693	1,693	TONs	X
Organic Compounds	OC	X	0.	43.9248	43.9248	TONs	
Pb - Lead	7439921	X	0.	0.0373622	0.0373622	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.	175.194	175.194	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.	117.187	117.187	TONs	X
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.	50.6218	50.6218	TONs	
VOC - Volatile Organic Compounds	VOC		0.	43.4484	43.4484	TONs	
Ammonia	NH3		0.	0.861753	0.861753	TONs	
CO - Carbon Monoxide	CO		0.	363.961	363.961	TONs	X
Total of Chargable Pollutants					5,281.16	TONS	

The following Hazardous Air Pollutant information was developed using Ohio EPA-generated hazardous air pollutant emission calculations. The values may be provided to USEPA by Ohio EPA as part of Ohio EPA's federal grant commitments. You may modify these Ohio EPA-generated hazardous air pollutant emission calculations, at the process level, if you have more accurate information. There is no certification of these values as part of the emissions report submission.

Pollutant	Code	Fugitive Amount	Stack Amount	Total	Units
Acenaphthene	83329	0	0	0.	TONs
Acenaphthylene	208968	0	0	0.	TONs
Anthracene	120127	0	0	0.	TONs
Arsenic	7440382	0.	0.079	0.079	TONs
Benz[A]Anthracene	56553	0	0	0.	TONs
Benzene	71432	0	0	0.	TONs

Benzo[A]Pyrene	50328	0	0	0.	TONs
Benzo[B]Fluoranthene	205992	0	0	0.	TONs
Beryllium	7440417	0.	0.004	0.004	TONs
Cadmium	7440439	0.	0.012	0.012	TONs
Chromium	7440473	0.	0.1455	0.1455	TONs
Chrysene	218019	0	0	0.	TONs
Fluoranthene	206440	0	0	0.	TONs
Fluorene	86737	0	0	0.	TONs
Formaldehyde	50000	0	0	0.	TONs
Heptachlorodibenzo-P-Dioxin, 1,2,3,4,6,7,8-	35822469	0	0	0.	TONs
Heptachlorodibenzofuran, 1,2,3,4,6,7,8-	67562394	0	0	0.	TONs
Hexachlorodibenzo-P-Dioxin	34465468	0	0	0.	TONs
Hexachlorodibenzo-P-Dioxin, 1,2,3,4,7,8-	39227286	0	0	0.	TONs
Hexachlorodibenzo-P-Dioxin, 1,2,3,7,8,9-	19408743	0	0	0.	TONs
Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648269	0	0	0.	TONs
Hydrochloric Acid (Hydrogen Chloride)	7647010	0	36.15	36.15	TONs
Hydrogen Fluoride (Hydrofluoric Acid)	7664393	0	5.4	5.4	TONs
MN - Manganese	7439965	0.	0.1235	0.1235	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0.	0.01815	0.01815	TONs
Naphthalene	91203	0	0	0.	TONs
Nickel	7440020	0.	0.152	0.152	TONs
Octachlorodibenzo-P-Dioxin	3268879	0	0	0.	TONs
Octachlorodibenzofuran	39001020	0	0	0.	TONs
Pentachlorodibenzofuran, 1,2,3,7,8-	57117416	0	0	0.	TONs
Pentachlorodibenzofuran, 2,3,4,7,8-	57117314	0	0	0.	TONs
Phenanthrene	85018	0	0	0.	TONs
Polycyclic Organic Matter	246	0.	0.0369441	0.0369441	TONs
Pyrene	129000	0	0	0.	TONs
Selenium	7782492	0.	0.084	0.084	TONs
Tetrachlorodibenzofuran, 2,3,7,8-	51207319	0	0	0.	TONs
Total Heptachlorodibenzo-P-Dioxin	37871004	0	0	0.	TONs

Total Pentachlorodibenzofuran	30402154	0	0	0.	TONs
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- **Processes**

- **Process & Emissions Detail**

Name: Unit 8 Coal

Source Classification Code (SCC): 1-01-002-02

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 24	Winter (Dec - Feb)%: 30
Days Per Week: 7	Spring (March-May)%: 22
Weeks Per Year: 45	Summer (June-Aug)%: 25
Hours Per Year: 7555	Fall (Sept-Nov)%: 23

Material	Material Action	Throughput	X Units
Bituminous/Subbituminous Coal	Burned	1444500	TONs

Variable	Amount	Meaning
A	8.23	% Ash content by weight
HCS	12296	Solid Heat Content (Btu/Lb)
S	3.21	% Sulfur content by weight

- **Process Emissions**

Pollutant	Code	Method Used	Hours UnCont	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	factor:ENG JUDGEMENT	0	0.492	0.	355.347	355.347	TONs	Emission factors were taken from AP-42, Section 1.1, "Bituminous and Subbituminous Coal Combustion, (9/98).
SO2 - Sulfur Dioxide	SO2	X emissions: CEM			0	3369	3,369	TONs	
		X							



				(LBS/X)					
Arsenic	7440382	emissions: ENG. JUDGEMENT			0	0.079	0.079	TONs	
Beryllium	7440417	emissions: ENG. JUDGEMENT			0	0.004	0.004	TONs	
Cadmium	7440439	emissions: ENG. JUDGEMENT			0	0.012	0.012	TONs	
Chromium	7440473	emissions: ENG. JUDGEMENT			0	0.1455	0.1455	TONs	
Hydrochloric Acid (Hydrogen Chloride)	7647010	emissions: ENG. JUDGEMENT			0	36.15	36.15	TONs	
Hydrogen Fluoride (Hydrofluoric Acid)	7664393	emissions: ENG. JUDGEMENT			0	5.4	5.4	TONs	
MN - Manganese	7439965	emissions: ENG. JUDGEMENT			0	0.1235	0.1235	TONs	
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	emissions: ENG. JUDGEMENT			0	0.01815	0.01815	TONs	
Nickel	7440020	emissions: ENG. JUDGEMENT			0	0.152	0.152	TONs	
Polycyclic Organic Matter	246	factor:OEP A (auto calculate)	0	5.11514E -05	0.	0.0369441	0.0369441	TONs	
Selenium	7782492	emissions: ENG. JUDGEMENT			0	0.084	0.084	TONs	

- Process & Emissions Detail

Name: Unit 8 Fuel Oil

Source Classification Code (SCC): 1-01-005-01

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 24  
 Days Per Week: 7  
 Weeks Per Year: 45  
 Hours Per Year: 7555

Winter (Dec - Feb)%: 17  
 Spring (March-May)%: 44  
 Summer (June-Aug)%: 19  
 Fall (Sept-Nov)%: 20

Material	Material Action	Throughput	X Units
Distillate Oil	Burned	1134.205	1000 GALLONS

Variable	Amount	Meaning
HCl	137303	Liquid Heat Content (Btu/gallons)
S	0.025	% Sulfur content by weight

- **Process Emissions**

Pollutant	Code	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	factor:OEP A (auto calculate)	0	1.3	0.	0.737233	0.737233	TONs	
SO2 - Sulfur Dioxide	SO2	X emissions:CEM			0	0	0.	TONs	Unit 8's total sulfur dioxide emissions are reported in the coal section.
NOx - Nitrogen Oxides	NOX	X emissions:CEM			0	0	0.	TONs	Unit 8's total nitrogen oxides are reported in the coal section.
Organic Compounds	OC	X factor:OEP A (auto calculate)	0	1.04	0.	0.589787	0.589787	TONs	
Pb - Lead	7439921	X factor:OEP A (auto calculate)	0	0.00123573	0.	7.00786E-04	7.00786E-04	TONs	
PE (Filt) - Primary PM,	PM-FIL	X factor:OEP A (auto	0	2	0.	1.1342	1.1342	TONs	

Filterable Portion Only		calculate)							
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	factor:OEP A (auto calculate)	0	1	0.	0.567102	0.567102	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	factor:OEP A (auto calculate)	0	0.25	0.	0.141776	0.141776	TONs	
VOC - Volatile Organic Compounds	VOC	factor:OEP A (auto calculate)	0	0.2	0.	0.113421	0.113421	TONs	
Ammonia	NH3	factor:OEP A (auto calculate)	0	0.8	0.	0.453682	0.453682	TONs	
CO - Carbon Monoxide	CO	factor:OEP A (auto calculate)	0	5	0.	2.83551	2.83551	TONs	
Total of Chargable Pollutants							1.72469	TONS	

The following Hazardous Air Pollutant information was developed using Ohio EPA-generated hazardous air pollutant emission calculations. The values may be provided to USEPA by Ohio EPA as part of Ohio EPA's federal grant commitments. You may modify these Ohio EPA-generated hazardous air pollutant emission calculations, at the process level, if you have more accurate information. There is no certification of these values as part of the emissions report submission.

**Process Emissions**

Pollutant	Code	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
Acenaphthene	83329	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Acenaphthylene	208968	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Anthracene	120127	emissions: ENG. JUDGEMENT			0	0	0.	TONs	

Arsenic	7440382	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Benz[A]Anthracene	56553	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Benzene	71432	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Benzo[A]Pyrene	50328	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Benzo[B]Fluoranthene	205992	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Beryllium	7440417	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Cadmium	7440439	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Chromium	7440473	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Chrysene	218019	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Fluoranthene	206440	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Fluorene	86737	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Formaldehyde	50000	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Heptachlorodibenzo-P-Dioxin, 1,2,3,4,6,7,8-	35822469	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Heptachlorodibenzofuran, 1,2,3,4,6,7,8-	67562394	emissions: ENG. JUDGEMENT			0	0	0.	TONs	

Hexachlorodibenzo-P-Dioxin	34465468	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Hexachlorodibenzo-P-Dioxin, 1,2,3,4,7,8-	39227286	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Hexachlorodibenzo-P-Dioxin, 1,2,3,7,8,9-	19408743	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648269	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
MN - Manganese	7439965	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Naphthalene	91203	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Nickel	7440020	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Octachlorodibenzo-P-Dioxin	3268879	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Octachlorodibenzofuran	39001020	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pentachlorodibenzofuran, 1,2,3,7,8-	57117416	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pentachlorodibenzofuran, 2,3,4,7,8-	57117314	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Phenanthrene	85018	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Polycyclic	246	emissions:			0	0	0.	TONs	

Organic Matter		ENG. JUDGEMENT							
Pyrene	129000	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Selenium	7782492	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Tetrachlorodibenzofuran, 2,3,7,8-	5120731 9	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total Heptachlorodibenzop-Dioxin	3787100 4	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total Pentachlorodibenzofuran	3040215 4	emissions: ENG. JUDGEMENT			0	0	0.	TONs	

# Emission Unit Summary: F001

Oct 9 2011, 16:02:35

Emissions Unit ID: F001

Detailed Reporting

DAPC Description:

**- Unit Emissions**

Pollutant	Code	\$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON		0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	0	0	0.	TONs	
Organic Compounds	OC	X	0	0	0.	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	18.85	0.24	19.09	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		2.63	0.20	2.83	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.43	0.03	0.46	TONs	
VOC - Volatile Organic Compounds	VOC		0	0	0.	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
<b>Total of Chargable Pollutants</b>					19.09	TONS	

**- Processes**

**- Process & Emissions Detail**

Name: Coal Unload

Source Classification Code (SCC): 3-05-010-08

**- Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 52

Hours Per Year: 8760

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Coal	Shipped	3404522	TONs

- **Process Emissions**

Pollutant	Code	\$ Method Used	Hours UnCont	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Organic Compounds	OC	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pb - Lead	7439921	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X emissions: ENG. JUDGEMENT			18.85	0.24	19.09	TONs	Please see the attached calculations.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			2.63	0.20	2.83	TONs	Please see the attached calculations.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	emissions: ENG. JUDGEMENT			0.43	0.03	0.46	TONs	Please see the attached calculations.
VOC - Volatile Organic Compounds	VOC	emissions: ENG. JUDGEMENT			0	0	0.	TONs	

Ammonia	NH3	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants							19.09	TONS	

## Emission Unit Summary: F002

Oct 9 2011, 16:02:35

Emissions Unit ID: F002

Detailed Reporting

DAPC Description:

### - Unit Emissions

Pollutant	Code	\$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON		0.	0.	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	0.	0.	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	0.	0.	0.	TONs	
Organic Compounds	OC	X	0.	0.	0.	TONs	
Pb - Lead	7439921	X	0.	0.	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	26.8	0.	26.8	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		8.67	0.	8.67	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		1.21	0.	1.21	TONs	
VOC - Volatile Organic Compounds	VOC		0.	0.	0.	TONs	
Ammonia	NH3		0.	0.	0.	TONs	
CO - Carbon Monoxide	CO		0.	0.	0.	TONs	
Total of Chargable Pollutants					26.8	TONS	

### - Processes

#### - Process & Emissions Detail

Name: Pile Loadin Reclaim

Source Classification Code (SCC): 3-05-010-08

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 52

Hours Per Year: 8760

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Coal	Shipped	487679	TONs

- **Process Emissions**

Pollutant	Code	\$ Method Used	Hours UnCont	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Organic Compounds	OC	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pb - Lead	7439921	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X emissions: ENG. JUDGEMENT			7.25	0	7.25	TONs	Please see the attached calculations.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			3.47	0	3.47	TONs	Please see the attached calculations.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	emissions: ENG. JUDGEMENT			0.45	0	0.45	TONs	Please see the attached calculations.
VOC - Volatile Organic Compounds	VOC	emissions: ENG. JUDGEMENT			0	0	0.	TONs	

Ammonia	NH3	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants							7.25	TONS	

- **Process & Emissions Detail**

Name: Coal Pile Wind

Source Classification Code (SCC): 3-05-010-49

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 52

Hours Per Year: 8760

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Exposed Area	Existing	12	ACRE-YEARS

- **Process Emissions**

Pollutant	Code	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	

NOx - Nitrogen Oxides	NOX	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: ENG. JUDGEMENT			2.00	0	2	TONs	Please see the attached calculations.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: ENG. JUDGEMENT			1.00	0	1	TONs	Please see the attached calculations.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: ENG. JUDGEMENT			0.15	0	0.15	TONs	Please see the attached calculations.
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants								2	TONS	

- **Process & Emissions Detail**

Name: Mobile Equipment

Source Classification Code (SCC): 3-05-010-24

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 24  
 Days Per Week: 7  
 Weeks Per Year: 52  
 Hours Per Year: 8760

Winter (Dec - Feb)%: 25  
 Spring (March-May)%: 25  
 Summer (June-Aug)%: 25  
 Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Vehicle	Travelled	13566.22	MILES

- **Process Emissions**

Pollutant	Code	\$ Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Organic Compounds	OC	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pb - Lead	7439921	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X emissions: ENG. JUDGEMENT			17.55	0	17.55	TONs	Please see the attached calculations.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			4.20	0	4.2	TONs	Please see the attached calculations.
PM2.5 (FIL) - Primary PM2.5,	PM25-FIL	emissions: ENG.			0.61	0	0.61	TONs	Please see the attached calculations.

Filterable Portion Only		JUDGEMENT							
VOC - Volatile Organic Compounds	VOC	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Ammonia	NH3	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants							17.55	TONS	

## Emission Unit Summary: F003

Oct 9 2011, 16:02:35

Emissions Unit ID: F003

Detailed Reporting

DAPC Description:

### - Unit Emissions

Pollutant	Code	\$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON		0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	0	0	0.	TONs	
Organic Compounds	OC	X	0	0	0.	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	10.41	0	10.41	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		3.03	0	3.03	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.71	0	0.71	TONs	
VOC - Volatile Organic Compounds	VOC		0	0	0.	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					10.41	TONS	

### - Processes

#### - Process & Emissions Detail

Name: Station Roads

Source Classification Code (SCC): 3-05-010-50

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 52

Hours Per Year: 8760

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Vehicle	Travelled	10766	MILES

- Process Emissions

Pollutant	Code	\$ Method Used	Hours UnCont	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Organic Compounds	OC	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pb - Lead	7439921	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X emissions: ENG. JUDGEMENT			10.41	0	10.41	TONs	Please see the attached calculations.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			3.03	0	3.03	TONs	Please see the attached calculations.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	emissions: ENG. JUDGEMENT			0.71	0	0.71	TONs	Please see the attached calculations.
VOC - Volatile Organic Compounds	VOC	emissions: ENG. JUDGEMENT			0	0	0.	TONs	

Ammonia	NH3	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants							10.41	TONS	

## Emission Unit Summary: F004

Oct 9 2011, 16:02:35

Emissions Unit ID: F004

Detailed Reporting

DAPC Description:

### - Unit Emissions

Pollutant	Code	\$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON		0.	0.	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	0.	0.	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	0.	0.	0.	TONs	
Organic Compounds	OC	X	0.	0.	0.	TONs	
Pb - Lead	7439921	X	0.	0.	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	4.97	0.	4.97	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		2.49	0.	2.49	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.37	0.	0.37	TONs	
VOC - Volatile Organic Compounds	VOC		0.	0.	0.	TONs	
Ammonia	NH3		0.	0.	0.	TONs	
CO - Carbon Monoxide	CO		0.	0.	0.	TONs	
Total of Chargable Pollutants					4.97	TONS	

### - Processes

#### - Process & Emissions Detail

Name: Ash Pond Excavation

Source Classification Code (SCC): 3-05-025-06

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 52

Hours Per Year: 8760

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Product	Produced	100307	TONs

- **Process Emissions**

Pollutant	Code	\$ Method Used	Hours UnCont	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Organic Compounds	OC	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pb - Lead	7439921	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X emissions: ENG. JUDGEMENT			0.36	0	0.36	TONs	Please see the attached calculations.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			0.18	0	0.18	TONs	Please see the attached calculations.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	emissions: ENG. JUDGEMENT			0.02	0	0.02	TONs	Please see the attached calculations.
VOC - Volatile Organic Compounds	VOC	emissions: ENG. JUDGEMENT			0	0	0.	TONs	

Ammonia	NH3	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants							0.36	TONS	

- **Process & Emissions Detail**

Name: Wind Erosion

Source Classification Code (SCC): 3-05-010-49

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 52

Hours Per Year: 8760

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Exposed Area	Existing	27	ACRE-YEARS

- **Process Emissions**

Pollutant	Code	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	

NOx - Nitrogen Oxides	NOX	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: ENG. JUDGEMENT			4.61	0	4.61	TONs	Please see the attached calculations.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: ENG. JUDGEMENT			2.31	0	2.31	TONs	Please see the attached calculations.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: ENG. JUDGEMENT			0.35	0	0.35	TONs	Please see the attached calculations.
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants								4.61	TONS	

## Emission Unit Summary: F005

Oct 9 2011, 16:02:35

Emissions Unit ID: F005

Detailed Reporting

DAPC Description:

### - Unit Emissions

Pollutant	Code	\$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON		0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	0	0	0.	TONs	
Organic Compounds	OC	X	0	0	0.	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.02	0.02	0.04	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.02	0.0001	0.0201	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		.01	.0001	0.0101	TONs	
VOC - Volatile Organic Compounds	VOC		0	0	0.	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					0.04	TONS	

### - Processes

#### - Process & Emissions Detail

Name: Unit 7 Dry Fly Ash

Source Classification Code (SCC): 3-05-025-06

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 52

Hours Per Year: 8760

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Product	Produced	124380	TONs

- **Process Emissions**

Pollutant	Code	\$ Method Used	Hours UnCont	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Organic Compounds	OC	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pb - Lead	7439921	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X emissions: ENG. JUDGEMENT			0.02	0.02	0.04	TONs	Please see the attached calculations.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			0.02	0.0001	0.0201	TONs	Please see the attached calculations.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	emissions: ENG. JUDGEMENT			.01	.0001	0.0101	TONs	Please see the attached calculations.
VOC - Volatile Organic Compounds	VOC	emissions: ENG. JUDGEMENT			0	0	0.	TONs	

Ammonia	NH3	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants							0.04	TONS	

## Emission Unit Summary: F006

Oct 9 2011, 16:02:35

Emissions Unit ID: F006

Detailed Reporting

DAPC Description:

### - Unit Emissions

Pollutant	Code	\$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON		0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	0	0	0.	TONs	
Organic Compounds	OC	X	0	0	0.	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.04	0.02	0.06	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.03	0.0001	0.0301	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.02	0.0001	0.0201	TONs	
VOC - Volatile Organic Compounds	VOC		0	0	0.	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					0.06	TONS	

### - Processes

#### - Process & Emissions Detail

Name: Unit 8 Dry Fly Ash

Source Classification Code (SCC): 3-05-025-06

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 52

Hours Per Year: 8760

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Product	Produced	110224	TONs

- **Process Emissions**

Pollutant	Code	\$ Method Used	Hours UnCont	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Organic Compounds	OC	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pb - Lead	7439921	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X emissions: ENG. JUDGEMENT			0.04	0.02	0.06	TONs	Please see the attached calculations.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			0.03	0.0001	0.0301	TONs	Please see the attached calculations.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	emissions: ENG. JUDGEMENT			0.02	0.0001	0.0201	TONs	Please see the attached calculations.
VOC - Volatile Organic Compounds	VOC	emissions: ENG. JUDGEMENT			0	0	0.	TONs	

Ammonia	NH3	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants							0.06	TONS	

## Emission Unit Summary: F007

Oct 9 2011, 16:02:35

Emissions Unit ID: F007

Detailed Reporting

DAPC Description:

### - Unit Emissions

Pollutant	Code	\$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON		0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	0	0	0.	TONs	
Organic Compounds	OC	X	0	0	0.	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	1.53	0	1.53	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.4	0	0.4	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.2	0	0.2	TONs	
VOC - Volatile Organic Compounds	VOC		0	0	0.	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					1.53	TONS	

### - Processes

#### - Process & Emissions Detail

Name: FGD Roads

Source Classification Code (SCC): 3-05-010-50

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 52

Hours Per Year: 8760

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Vehicle	Travelled	3576	MILES

- **Process Emissions**

Pollutant	Code	\$ Method Used	Hours UnCont	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Organic Compounds	OC	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pb - Lead	7439921	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X emissions: ENG. JUDGEMENT			1.53	0	1.53	TONs	Please see the attached calculations.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			0.4	0	0.4	TONs	Please see the attached calculations.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	emissions: ENG. JUDGEMENT			0.2	0	0.2	TONs	Please see the attached calculations.
VOC - Volatile Organic Compounds	VOC	emissions: ENG. JUDGEMENT			0	0	0.	TONs	

Ammonia	NH3	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants							1.53	TONS	

## Emission Unit Summary: F008

Oct 9 2011, 16:02:35

Emissions Unit ID: F008

Detailed Reporting

DAPC Description:

### - Unit Emissions

Pollutant	Code	\$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON		0.	0.	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	0.	0.	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	0.	0.	0.	TONs	
Organic Compounds	OC	X	0.	0.	0.	TONs	
Pb - Lead	7439921	X	0.	0.	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	2.31	0.	2.31	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		1.27	0.	1.27	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.31	0.	0.31	TONs	
VOC - Volatile Organic Compounds	VOC		0.	0.	0.	TONs	
Ammonia	NH3		0.	0.	0.	TONs	
CO - Carbon Monoxide	CO		0.	0.	0.	TONs	
Total of Chargable Pollutants					2.31	TONS	

### - Processes

#### - Process & Emissions Detail

Name: FGD Gypsum Piles

Source Classification Code (SCC): 3-05-015-04

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 52

Hours Per Year: 8760

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Material	Throughput	540796	TONs

- **Process Emissions**

Pollutant	Code	\$ Method Used	Hours UnCont	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Organic Compounds	OC	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pb - Lead	7439921	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X emissions: ENG. JUDGEMENT			0.08	0	0.08	TONs	Please see the attached calculations.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			0.04	0	0.04	TONs	Please see the attached calculations.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	emissions: ENG. JUDGEMENT			0.00	0	0.	TONs	Please see the attached calculations.
VOC - Volatile Organic Compounds	VOC	emissions: ENG. JUDGEMENT			0	0	0.	TONs	

Ammonia	NH3	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants							0.08	TONS	

- **Process & Emissions Detail**

Name: FGD Inerts Piles

Source Classification Code (SCC): 3-05-103-98

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 52

Hours Per Year: 8760

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Material	Processed	26273	TONs

- **Process Emissions**

Pollutant	Code	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	

NOx - Nitrogen Oxides	NOX	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: ENG. JUDGEMENT			0.00	0	0.	TONs	Please see the attached calculations.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: ENG. JUDGEMENT			0.00	0	0.	TONs	Please see the attached calculations.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: ENG. JUDGEMENT			0.00	0	0.	TONs	Please see the attached calculations.
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants								0.	TONS	

- **Process & Emissions Detail**

Name: FGD Limestone Piles

Source Classification Code (SCC): 3-03-008-22

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 24  
 Days Per Week: 7  
 Weeks Per Year: 52  
 Hours Per Year: 8760

Winter (Dec - Feb)%: 25  
 Spring (March-May)%: 25  
 Summer (June-Aug)%: 25  
 Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Material	Processed	308891	TONs

- **Process Emissions**

Pollutant	Code	\$ Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Organic Compounds	OC	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pb - Lead	7439921	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X emissions: ENG. JUDGEMENT			1.27	0	1.27	TONs	Please see the attached calculations.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			0.73	0	0.73	TONs	Please see the attached calculations.
PM2.5 (FIL) - Primary PM2.5,	PM25-FIL	emissions: ENG.			0.23	0	0.23	TONs	Please see the attached calculations.

Filterable Portion Only		JUDGEMENT							
VOC - Volatile Organic Compounds	VOC	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Ammonia	NH3	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants							1.27	TONS	

- **Process & Emissions Detail**

Name: FGD Pile Wind

Source Classification Code (SCC): 3-05-010-49

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 52

Hours Per Year: 8760

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Exposed Area	Existing	1	ACRE-YEARS

- **Process Emissions**

Pollutant	Code	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only	PM-CON	emissions: ENG. JUDGEMENT			0	0	0.	TONs	

(All Less than 1 Micron)									
SO2 - Sulfur Dioxide	SO2	X	emissions: ENG. JUDGEMENT		0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	emissions: ENG. JUDGEMENT		0	0	0.	TONs	
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT		0	0	0.	TONs	
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT		0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: ENG. JUDGEMENT		0.96	0	0.96	TONs	Please see the attached calculations.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: ENG. JUDGEMENT		0.50	0	0.5	TONs	Please see the attached calculations.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: ENG. JUDGEMENT		0.08	0	0.08	TONs	Please see the attached calculations.
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT		0	0	0.	TONs	
Ammonia	NH3		emissions: ENG. JUDGEMENT		0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT		0	0	0.	TONs	
Total of Chargable Pollutants							0.96	TONS	

## Emission Unit Summary: F009

Oct 9 2011, 16:02:35

Emissions Unit ID: F009

Detailed Reporting

DAPC Description:

### - Unit Emissions

Pollutant	Code	\$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON		0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	0	0	0.	TONs	
Organic Compounds	OC	X	0	0	0.	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	3.14	0	3.14	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		3.01	0	3.01	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		2.01	0	2.01	TONs	
VOC - Volatile Organic Compounds	VOC		0	0	0.	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					3.14	TONS	

### - Processes

#### - Process & Emissions Detail

Name: Limestone Handling

Source Classification Code (SCC): 3-05-101-05

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 52

Hours Per Year: 8760

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Material	Processed	627200	TONs

- **Process Emissions**

Pollutant	Code	\$ Method Used	Hours UnCont	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Organic Compounds	OC	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pb - Lead	7439921	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X emissions: ENG. JUDGEMENT			3.14	0	3.14	TONs	Please see the attached calculations.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			3.01	0	3.01	TONs	Please see the attached calculations.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	emissions: ENG. JUDGEMENT			2.01	0	2.01	TONs	Please see the attached calculations.
VOC - Volatile Organic Compounds	VOC	emissions: ENG. JUDGEMENT			0	0	0.	TONs	

Ammonia	NH3	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants							3.14	TONS	

## Emission Unit Summary: F010

Oct 9 2011, 16:02:35

Emissions Unit ID: F010

Detailed Reporting

DAPC Description:

### - Unit Emissions

Pollutant	Code	\$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON		0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	0	0	0.	TONs	
Organic Compounds	OC	X	0	0	0.	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.13	0	0.13	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.13	0	0.13	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.09	0	0.09	TONs	
VOC - Volatile Organic Compounds	VOC		0	0	0.	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					0.13	TONS	

### - Processes

#### - Process & Emissions Detail

Name: Gypsum Handling

Source Classification Code (SCC): 3-05-015-04

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 52

Hours Per Year: 8760

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Material	Throughput	540796	TONs

- **Process Emissions**

Pollutant	Code	\$ Method Used	Hours UnCont	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Organic Compounds	OC	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pb - Lead	7439921	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X emissions: ENG. JUDGEMENT			0.13	0	0.13	TONs	Please see the attached calculations.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			0.13	0	0.13	TONs	Please see the attached calculations.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	emissions: ENG. JUDGEMENT			0.09	0	0.09	TONs	Please see the attached calculations.
VOC - Volatile Organic Compounds	VOC	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Please see the attached calculations.

Ammonia	NH3	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants							0.13	TONS	