TV FER/EIS Emissions Report (200847) for 2010
University of Cincinnati
1431070849
April 14, 2011

2010 Emissions Summary Report : 200847

Oct 7 2011, 13:07:23

- Report Data

Report Category: TV

Submitted Date: 04/14/2011

Approved Date 04/20/2011

Reporting Year: 2010

Reporting State Approved

- Reports Included

FER: X ES: EIS: X

- Facility Emissions

Pollutant	Code	$	Fugitive Amount	Stack Amount	Total	Units
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		0.	15.636	15.636	TONs
SO2 - Sulfur Dioxide	SO2	X	0.	505.63	505.63	TONs
NOx - Nitrogen Oxides	NOX	X	0.	280.08	280.08	TONs
Organic Compounds	OC	X	0.	7.6	7.6	TONs
Pb - Lead	7439921	X	0.	0.00607086	0.00607086	TONs
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.	25.74	25.74	TONs
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.	12.34	12.34	TONs
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.	12.34	12.34	TONs
VOC - Volatile Organic Compounds	VOC		0.	7.6	7.6	TONs
Ammonia	NH3		0.	0.00869506	0.00869506	TONs
CO - Carbon Monoxide	CO		0.	59.24	59.24	TONs
Total of Chargable Pollutants					819.056	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.	1.84103E-07	1.84103E-07	TONs
Acenaphthylene	208968	0.	3.16723E-07	3.16723E-07	TONs

Acetaldehyde	75070	0.	0.249192	0.249192	TONs
Acrolein	107028	0.	0.205721	0.205721	TONs
Anthracene	120127	0.	3.12752E-07	3.12752E-07	TONs
Arsenic	7440382	0.	0.0567609	0.0567609	TONs
Benz[A]Anthracene	56553	0.	0.114725	0.114725	TONs
Benzene	71432	0.	0.00416313	0.00416313	TONs
Benzo[A]Pyrene	50328	0.	1.03875E-07	1.03875E-07	TONs
Benzo[B]Fluoranthene	205992	0.	1.35977E-07	1.35977E-07	TONs
Benzo[G,H,I,]Perylene	191242	0.	1.06061E-07	1.06061E-07	TONs
Benzo[K]Fluoranthene	207089	0.	1.38014E-07	1.38014E-07	TONs
Beryllium	7440417	0.	8.82444E-07	8.82444E-07	TONs
Butadiene, 1,3-	106990	0.	6.92508E-05	6.92508E-05	TONs
Cadmium	7440439	0.	0.00379182	0.00379182	TONs
Chromium	7440473	0.	0.0456585	0.0456585	TONs
Chrysene	218019	0.	0.0189632	0.0189632	TONs
Cobalt	7440484	0.	1.23542E-05	1.23542E-05	TONs
Dibenzo[A,H]Anthracene	53703	0.	1.09486E-07	1.09486E-07	TONs
Dimethylbenz[A]Anthracene, 7,12-	57976	0.	1.17659E-06	1.17659E-06	TONs
Ethyl Benzene	100414	0.	0.0100967	0.0100967	TONs
Fluoranthene	206440	0.	3.79076E-04	3.79076E-04	TONs
Fluorene	86737	0.	2.53955E-06	2.53955E-06	TONs
Formaldehyde	50000	0.	0.325249	0.325249	TONs
Hexane, N-	110543	0.	0.264734	0.264734	TONs
Hydrochloric Acid (Hydrogen Chloride)	7647010	0.	18.4674	18.4674	TONs
Hydrogen Fluoride (Hydrofluoric Acid)	7664393	0.	2.30843	2.30843	TONs
Indeno[1,2,3-C,D]Pyrene	193395	0.	1.46029E-07	1.46029E-07	TONs
MN - Manganese	7439965	0.	0.0253566	0.0253566	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0.	0.00242408	0.00242408	TONs
Methylcholanthrene, 3-	56495	0.	1.32367E-07	1.32367E-07	TONs
Methylnaphthalene, 2-	91576	0.	3.52978E-06	3.52978E-06	TONs
Naphthalene	91203	0.	5.0669E-04	5.0669E-04	TONs

Nickel	7440020	0.	0.0410172	0.0410172	TONs
PAH, 16-	40	0.	7.06278E-04	7.06278E-04	TONs
Phenanthrene	85018	0.	4.64258E-06	4.64258E-06	TONs
Phenol	108952	0.	0.00400648	0.00400648	TONs
Polycyclic Organic Matter	246	0.	0.642411	0.642411	TONs
Propylene Oxide	75569	0.	0.00457433	0.00457433	TONs
Pyrene	129000	0.	1.08368E-06	1.08368E-06	TONs
Selenium	7782492	0.	1.76489E-06	1.76489E-06	TONs
Toluene	108883	0.	0.0415318	0.0415318	TONs
Xylenes (Isomers and Mixture)	1330207	0.	0.0201938	0.0201938	TONs

- **Attachments**

Description	Type	Public Document	Trade Seceret Document	Trade secret Justification

- **Notes**

User Name	Date	Note

Emission Units Without Detailed Emissions

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Emission Unit	Why Excluded	Company Equipment ID
TMP166165	Less Than Reporting Requirement	MSB Kohler Emergency Generator
B005	Less Than Reporting Requirement	Central Plant Boiler #2
B008	TV Classification = Trivial	Faculty Club Boilers
B011	TV Classification = Trivial	Morgans Hot Water
B013	Less Than Reporting Requirement	Sawyer Hot Water
B014	TV Classification = Trivial	Scioto Water Heater
B017	Less Than Reporting Requirement	CSB boiler #1
B018	Less Than Reporting Requirement	CSB boiler #2
B104	Less Than Reporting Requirement	ECUP Boiler #5
B105	Less Than Reporting Requirement	ECUP Boiler #2
F001	Less Than Reporting Requirement	ECUP Coal Handling

N001	Less Than Reporting Requirement	Incinerator, Rieveschl
N005	Less Than Reporting Requirement	Incinerator, MSB
P006	Less Than Reporting Requirement	2 MW diesel-fired engine #2
P007	Less Than Reporting Requirement	MSB/CARE generator
P008	Less Than Reporting Requirement	ECUP generator
P017	Exemption Status = Permit Exempt	Cardio Vascular Gen.
P018	Exemption Status = Permit Exempt	MSB - northeast engine serving gen#1
P019	Exemption Status = Permit Exempt	French East Gen.
P020	Exemption Status = Permit Exempt	Eden Garage Gen
P021	Less Than Reporting Requirement	HPB outside generator
P022	Exemption Status = Permit Exempt	Kettering North Gen
P023	Exemption Status = Permit Exempt	IEH Ketter. Add. Gen
P024	Exemption Status = Permit Exempt	Proctor Hall Gen
P025	Exemption Status = Permit Exempt	Eden Garage Portable
P026	Exemption Status = Permit Exempt	Univer. Hall Gen
P027	Exemption Status = Permit Exempt	Vontz Center Gen
P028	Exemption Status = Permit Exempt	SRU Generator
P029	Exemption Status = Permit Exempt	CUP Cummins Portable
P031	Exemption Status = Permit Exempt	ERC (outside) Gen
P032	Exemption Status = Permit Exempt	Langsam Libr. Gen
P033	Exemption Status = Permit Exempt	Lindner Center Gen
P034	Exemption Status = Permit Exempt	Blegen Libr. Gen
P035	Exemption Status = Permit Exempt	Calhoun Garage Gen
P036	Exemption Status = Permit Exempt	CCM (outside) Gen
P038	Exemption Status = Permit Exempt	Edwards Center Gen
P039	Exemption Status = Permit Exempt	Geo-Physics Gen
P040	Exemption Status = Permit Exempt	Lindner Hall Gen
P041	Exemption Status = Permit Exempt	Memorial Hall Gen
P042	Exemption Status = Permit Exempt	Univ Ave Garage Gen.
P043	Exemption Status = Permit Exempt	Rhodes Hall Gen
P044	Exemption Status = Permit Exempt	Rieveschl Gen #1

P045	Exemption Status = Permit Exempt	Sander (roof) Gen
P046	Exemption Status = Permit Exempt	Univ. College Gen
P047	Exemption Status = Permit Exempt	Old Chem Gas Gen
P048	Exemption Status = Permit Exempt	CAS Generator
P049	Exemption Status = Permit Exempt	Rieveschl Gen #2
P052	Less Than Reporting Requirement	Port. CAT gen at CUP
P053	Less Than Reporting Requirement	Stratford Heights generator gas engine
P054	Less Than Reporting Requirement	UCIT generator
P055	Less Than Reporting Requirement	MSB - southeast engine serving gen #1
P056	Less Than Reporting Requirement	MSB - northwest engine serving gen #2
P057	Less Than Reporting Requirement	MSB - southwest engine serving gen#2
P901	Less Than Reporting Requirement	Ash Handling
T001	Less Than Reporting Requirement	Underground Tank
T002	Less Than Reporting Requirement	Underground Tank
T003	Less Than Reporting Requirement	CUP UST Tank #3
T004	Less Than Reporting Requirement	CUP UST Tank #3A
T005	Less Than Reporting Requirement	CUP UST Tank #4
T006	Less Than Reporting Requirement	CUP UST Tank #4A
T007	Less Than Reporting Requirement	CUP UST Tank #5
T008	Less Than Reporting Requirement	CUP UST Tank #5A
T102	Less Than Reporting Requirement	ECUP Tank P007+P008
T103	Less Than Reporting Requirement	ECUP UST #1 of 8
T104	Less Than Reporting Requirement	ECUP UST #2 of 8
T105	Less Than Reporting Requirement	ECUP UST #3 of 8
T106	Less Than Reporting Requirement	ECUP UST #4 of 8
T107	Less Than Reporting Requirement	ECUP UST #5 of 8
T108	Less Than Reporting Requirement	ECUP UST #6 of 8
T109	Less Than Reporting Requirement	ECUP UST #7 of 8
T110	Less Than Reporting Requirement	ECUP UST #8 of 8
Z001	Less Than Reporting Requirement	Hoxworth Diesel
Z002	Less Than Reporting Requirement	Hoxworth Gasoline

Z003	Less Than Reporting Requirement	UC East Institute of Env. Health diesel tank
Z004	Less Than Reporting Requirement	Campus Services Garage gasoline tank
Z007	Less Than Reporting Requirement	CUP diesel day tank
Z009	Less Than Reporting Requirement	Medical Sciences Building Loading Dock diesel tank
Z025	Less Than Reporting Requirement	Fieldhouse basement emergency generator
Z053	Exemption Status = Permit Exempt	TUC Generator

Report Pollutant Summary: Total Emissions (Tons)

Unit	SCC Id	PM-CON	SO2	NOX	OC	7439921	PM-FIL	PM10-FIL	PM25-FIL	VOC	NH3	CO
B019	**1-03-005-01**											
B019	**1-03-006-01**	0.33	0.04	8.07	0.07	3E-05	0.33	0.33	0.33	0.07	0.	1.95
B020	**1-03-005-01**											
B020	**1-03-006-01**	0.41	0.05	10.94	0.08	4E-05	0.41	0.41	0.41	0.08	0.	2.47
B103	**1-03-002-24**	3.876	159.9	53.3	0.24	0.002	13.98	2.8	2.8	0.24	0.00273742	24.2
B108	**1-03-002-24**	2.77	344.9	108.18	0.53	0.004	2.77	0.55	0.55	0.53	0.00595764	5.55
P001	**2-03-002-07**	0.68	8E-06	9.6	3.1	0.	0.68	0.68	0.68	3.1	0.	8.8
P002	**2-03-002-07**	0.58	7E-06	8.2	2.7	0.	0.58	0.58	0.58	2.7	0.	7.5
P003	**2-03-002-03**	3.24	0.36	34.45	0.19	0.	3.24	3.24	3.24	0.19	0.	4.3
P003	**2-03-001-02**											
P004	**2-03-002-03**	3.74	0.36	46.15	0.66	0.	3.74	3.74	3.74	0.66	0.	4.42
P004	**2-03-001-02**											
P005	**2-01-001-02**	0.01	0.02	1.19	0.03	8.6E-07	0.01	0.01	0.01	0.03	0.	0.05
Total		15.636	505.63	280.08	7.6	0.00607086	25.74	12.34	12.34	7.6	0.00869506	59.24

Emission Unit Summary: B019

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Emissions Unit ID: B019

Detailed Reporting

DAPC Description:

- Unit Emissions

Pollutant	Code	$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		0	0.33	0.33	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	0.04	0.04	TONs	
NOx - Nitrogen Oxides	NOX	X	0	8.07	8.07	TONs	
Organic Compounds	OC	X	0	0.07	0.07	TONs	
Pb - Lead	7439921	X	0	0.00003	3E-05	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	0.33	0.33	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	0.33	0.33	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	0.33	0.33	TONs	
VOC - Volatile Organic Compounds	VOC		0	0.07	0.07	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	1.95	1.95	TONs	
Total of Chargable Pollutants					8.51003	TONS	

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Pollutant	Code	Fugitive Amount	Stack Amount	Total	Units
Acenaphthene	83329	0.	5.84343E-08	5.84343E-08	TONs
Acenaphthylene	208968	0.	5.84343E-08	5.84343E-08	TONs
Acetaldehyde	75070	0.	0.00135697	0.00135697	TONs
Acrolein	107028	0.	0.00116869	0.00116869	TONs
Anthracene	120127	0.	7.79124E-08	7.79124E-08	TONs
Arsenic	7440382	0.	1.29854E-05	1.29854E-05	TONs

Benz[A]Anthracene	56553	0.	5.84343E-08	5.84343E-08	TONs
Benzene	71432	0.	1.36347E-04	1.36347E-04	TONs
Benzo[A]Pyrene	50328	0.	3.89562E-08	3.89562E-08	TONs
Benzo[B]Fluoranthene	205992	0.	5.84343E-08	5.84343E-08	TONs
Benzo[G,H,I,]Perylene	191242	0.	3.89562E-08	3.89562E-08	TONs
Benzo[K]Fluoranthene	207089	0.	5.84343E-08	5.84343E-08	TONs
Beryllium	7440417	0.	3.89562E-07	3.89562E-07	TONs
Cadmium	7440439	0.	7.14197E-05	7.14197E-05	TONs
Chromium	7440473	0.	9.08978E-05	9.08978E-05	TONs
Chrysene	218019	0.	5.84343E-08	5.84343E-08	TONs
Cobalt	7440484	0.	5.45387E-06	5.45387E-06	TONs
Dibenzo[A,H]Anthracene	53703	0.	3.89562E-08	3.89562E-08	TONs
Dimethylbenz[A]Anthracene, 7,12-	57976	0.	5.19416E-07	5.19416E-07	TONs
Fluoranthene	206440	0.	1.94781E-07	1.94781E-07	TONs
Fluorene	86737	0.	1.81796E-07	1.81796E-07	TONs
Formaldehyde	50000	0.	0.00486952	0.00486952	TONs
Hexane, N-	110543	0.	0.116869	0.116869	TONs
Indeno[1,2,3-C,D]Pyrene	193395	0.	5.84343E-08	5.84343E-08	TONs
MN - Manganese	7439965	0.	2.46723E-05	2.46723E-05	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0.	1.6881E-05	1.6881E-05	TONs
Methylcholanthrene, 3-	56495	0.	5.84343E-08	5.84343E-08	TONs
Methylnaphthalene, 2-	91576	0.	1.55825E-06	1.55825E-06	TONs
Naphthalene	91203	0.	3.96055E-05	3.96055E-05	TONs
Nickel	7440020	0.	1.36347E-04	1.36347E-04	TONs
Phenanthrene	85018	0.	1.10376E-06	1.10376E-06	TONs
Polycyclic Organic Matter	246	0.	4.21376E-05	4.21376E-05	TONs
Pyrene	129000	0.	3.24635E-07	3.24635E-07	TONs
Selenium	7782492	0.	7.79124E-07	7.79124E-07	TONs
Toluene	108883	0.	2.20752E-04	2.20752E-04	TONs

- **Processes**

- **Process & Emissions Detail**

Name: Pkg1 Oil

Source Classification Code (SCC): 1-03-005-01

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

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 0

Hours Per Year: 0

Winter (Dec - Feb)%: 100

Spring (March-May)%: 0

Summer (June-Aug)%: 0

Fall (Sept-Nov)%: 0

Material	Material Action	Throughput	X Units
Distillate Oil	Burned	0	1000 GALLONS

Variable	Amount	Meaning
HCl	136970	Liquid Heat Content (Btu/gallons)
S	0.05	% Sulfur content by weight

- **Process Emissions**

Pollutant	Code	$	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
Total of Chargable Pollutants								0.	TONS	

- **Process & Emissions Detail**

Name: Pkg1 Gas

Source Classification Code (SCC): 1-03-006-01

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

Schedule Trade Secret:

Hours Per Day:	24	Winter (Dec - Feb)%:	52
Days Per Week:	7	Spring (March-May)%:	19
Weeks Per Year:	10	Summer (June-Aug)%:	19
Hours Per Year:	1723	Fall (Sept-Nov)%:	10

Material	Material Action	Throughput	X Units
Natural Gas	Burned	129.854	MILLION CUBIC FEET

Variable	Amount	Meaning
HCg	1000	Gas Heat Content (Btu/Cubic Feet)

- **Process Emissions**

Pollutant	Code	$	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		emissions: ENG. JUDGEMENT			0	0.33	0.33	TONs	Conservatively assumed same as total particulate
SO2 - Sulfur Dioxide	SO2	X	emissions: ENG. JUDGEMENT			0	0.04	0.04	TONs	SO2, tpy = 0.6 lb SO2/mmscf (permit limit) x 129.854 mmscf/yr /2000 lbs/ton = 0.04 tons/yr
NOx - Nitrogen Oxides	NOX	X	emissions: CEM			0	8.07	8.07	TONs	NOx emissions are from CEMS data and include oil and gas combustion.
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT			0	0.07	0.07	TONs	OC, tpy = 2 x 0.001 lb OC/MMBtu (VOC permit limit) x 129.854 MMBtu/yr /2000 lbs/ton = 0.07 tons/yr (assumes OC= 2 x VOC based on AP-42 factors for VOC versus OC)
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0.00003	3E-05	TONs	Lead, tpy = 0.0005 lb Pb/mmscf (AP-42) x 129.854 mmscf/yr /2000 lbs/ton = 0.00003 tons/yr
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: ENG. JUDGEMENT			0	0.33	0.33	TONs	PE, tpy = 0.005 lb PE/MMBtu (Permit limit) x 129.854 MMBtu/yr /2000 lbs/ton = 0.33 tons/yr
PM10 (Filt) - Primary PM10, Filterable	PM10-FIL		emissions: ENG. JUDGEMENT			0	0.33	0.33	TONs	Conservatively assumed same as total particulate

Portion Only										
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: ENG. JUDGEMENT			0	0.33	0.33	TONs	Conservatively assumed same as total particulate
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT			0	0.07	0.07	TONs	VOC, tpy = 0.001 lb/MMBtu (permit limit) x 129.854 MMbtu/yr /2000 lb/ton = 0.07 tpy
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	Assumed ammonia emissions are negligible
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	1.95	1.95	TONs	CO, tpy = 0.03 lb CO/MMBtu (Permit limit) x 129.854 MMBtu/yr /2000 lbs/ton = 1.95 tons/yr
Total of Chargable Pollutants								8.51003	TONS	

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- **Process Emissions**

Pollutant	Code	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
Acenaphthene	83329	factor:OEPA (auto calculate)	1723	9E-07	0.	5.84343E-08	5.84343E-08	TONs	
Acenaphthylene	208968	factor:OEPA (auto calculate)	1723	9E-07	0.	5.84343E-08	5.84343E-08	TONs	
Acetaldehyde	75070	factor:OEPA (auto calculate)	1723	0.0209	0.	0.00135697	0.00135697	TONs	
Acrolein	107028	factor:OEPA (auto calculate)	1723	0.018	0.	0.00116869	0.00116869	TONs	
Anthracene	120127	factor:OEPA (auto	1723	1.2E-06	0.	7.79124E-08	7.79124E-08	TONs	

		calculate)							
Arsenic	7440382	factor:OEPA (auto calculate)	1723	2E-04	0.	1.29854E-05	1.29854E-05	TONs	
Benz[A]Anthracene	56553	factor:OEPA (auto calculate)	1723	9E-07	0.	5.84343E-08	5.84343E-08	TONs	
Benzene	71432	factor:OEPA (auto calculate)	1723	0.0021	0.	1.36347E-04	1.36347E-04	TONs	
Benzo[A]Pyrene	50328	factor:OEPA (auto calculate)	1723	6E-07	0.	3.89562E-08	3.89562E-08	TONs	
Benzo[B]Fluoranthene	205992	factor:OEPA (auto calculate)	1723	9E-07	0.	5.84343E-08	5.84343E-08	TONs	
Benzo[G,H,I,]Perylene	191242	factor:OEPA (auto calculate)	1723	6E-07	0.	3.89562E-08	3.89562E-08	TONs	
Benzo[K]Fluoranthene	207089	factor:OEPA (auto calculate)	1723	9E-07	0.	5.84343E-08	5.84343E-08	TONs	
Beryllium	7440417	factor:OEPA (auto calculate)	1723	6E-06	0.	3.89562E-07	3.89562E-07	TONs	
Cadmium	7440439	factor:OEPA (auto calculate)	1723	0.0011	0.	7.14197E-05	7.14197E-05	TONs	
Chromium	7440473	factor:OEPA (auto calculate)	1723	0.0014	0.	9.08978E-05	9.08978E-05	TONs	
Chrysene	218019	factor:OEPA (auto calculate)	1723	9E-07	0.	5.84343E-08	5.84343E-08	TONs	
Cobalt	7440484	factor:OEPA (auto calculate)	1723	8.4E-05	0.	5.45387E-06	5.45387E-06	TONs	
Dibenzo[A,H]Anthracene	53703	factor:OEPA (auto calculate)	1723	6E-07	0.	3.89562E-08	3.89562E-08	TONs	
Dimethylbenz[A]Anthracene,	57976	factor:OEPA (auto	1723	8E-06	0.	5.19416E-07	5.19416E-07	TONs	

7,12-		calculate)							
Fluoranthene	206440	factor:OEPA (auto calculate)	1723	3E-06	0.	1.94781E-07	1.94781E-07	TONs	
Fluorene	86737	factor:OEPA (auto calculate)	1723	2.8E-06	0.	1.81796E-07	1.81796E-07	TONs	
Formaldehyde	50000	factor:OEPA (auto calculate)	1723	0.075	0.	0.00486952	0.00486952	TONs	
Hexane, N-	110543	factor:OEPA (auto calculate)	1723	1.8	0.	0.116869	0.116869	TONs	
Indeno[1,2,3-C,D]Pyrene	193395	factor:OEPA (auto calculate)	1723	9E-07	0.	5.84343E-08	5.84343E-08	TONs	
MN - Manganese	7439965	factor:OEPA (auto calculate)	1723	3.8E-04	0.	2.46723E-05	2.46723E-05	TONs	
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	factor:OEPA (auto calculate)	1723	2.6E-04	0.	1.6881E-05	1.6881E-05	TONs	
Methylcholanthrene, 3-	56495	factor:OEPA (auto calculate)	1723	9E-07	0.	5.84343E-08	5.84343E-08	TONs	
Methylnaphthalene, 2-	91576	factor:OEPA (auto calculate)	1723	2.4E-05	0.	1.55825E-06	1.55825E-06	TONs	
Naphthalene	91203	factor:OEPA (auto calculate)	1723	6.1E-04	0.	3.96055E-05	3.96055E-05	TONs	
Nickel	7440020	factor:OEPA (auto calculate)	1723	0.0021	0.	1.36347E-04	1.36347E-04	TONs	
Phenanthrene	85018	factor:OEPA (auto calculate)	1723	1.7E-05	0.	1.10376E-06	1.10376E-06	TONs	
Polycyclic Organic Matter	246	factor:OEPA (auto calculate)	1723	6.49E-04	0.	4.21376E-05	4.21376E-05	TONs	

Pyrene	129000	factor:OEPA (auto calculate)	1723	5E-06	0.	3.24635E-07	3.24635E-07	TONs	
Selenium	7782492	factor:OEPA (auto calculate)	1723	1.2E-05	0.	7.79124E-07	7.79124E-07	TONs	
Toluene	108883	factor:OEPA (auto calculate)	1723	0.0034	0.	2.20752E-04	2.20752E-04	TONs	

Emission Unit Summary: B020

Oct 7 2011, 13:07:23

Emissions Unit ID: B020

Detailed Reporting

DAPC Description:

- Unit Emissions

Pollutant	Code	$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		0	0.41	0.41	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	0.05	0.05	TONs	
NOx - Nitrogen Oxides	NOX	X	0	10.94	10.94	TONs	
Organic Compounds	OC	X	0	0.08	0.08	TONs	
Pb - Lead	7439921	X	0	0.00004	4E-05	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	0.41	0.41	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	0.41	0.41	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	0.41	0.41	TONs	
VOC - Volatile Organic Compounds	VOC		0	0.08	0.08	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	2.47	2.47	TONs	
Total of Chargable Pollutants					11.48	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.	7.39323E-08	7.39323E-08	TONs
Acenaphthylene	208968	0.	7.39323E-08	7.39323E-08	TONs
Acetaldehyde	75070	0.	0.23516	0.23516	TONs
Acrolein	107028	0.	0.20253	0.20253	TONs
Anthracene	120127	0.	9.85764E-08	9.85764E-08	TONs
Arsenic	7440382	0.	1.64294E-05	1.64294E-05	TONs

Benz[A]Anthracene	56553	0.	7.39323E-08	7.39323E-08	TONs
Benzene	71432	0.	1.72509E-04	1.72509E-04	TONs
Benzo[A]Pyrene	50328	0.	4.92882E-08	4.92882E-08	TONs
Benzo[B]Fluoranthene	205992	0.	7.39323E-08	7.39323E-08	TONs
Benzo[G,H,I,]Perylene	191242	0.	4.92882E-08	4.92882E-08	TONs
Benzo[K]Fluoranthene	207089	0.	7.39323E-08	7.39323E-08	TONs
Beryllium	7440417	0.	4.92882E-07	4.92882E-07	TONs
Cadmium	7440439	0.	9.03617E-05	9.03617E-05	TONs
Chromium	7440473	0.	1.15006E-04	1.15006E-04	TONs
Chrysene	218019	0.	7.39323E-08	7.39323E-08	TONs
Cobalt	7440484	0.	6.90035E-06	6.90035E-06	TONs
Dibenzo[A,H]Anthracene	53703	0.	4.92882E-08	4.92882E-08	TONs
Dimethylbenz[A]Anthracene, 7,12-	57976	0.	6.57176E-07	6.57176E-07	TONs
Fluoranthene	206440	0.	2.46441E-07	2.46441E-07	TONs
Fluorene	86737	0.	2.30012E-07	2.30012E-07	TONs
Formaldehyde	50000	0.	0.00616103	0.00616103	TONs
Hexane, N-	110543	0.	0.147865	0.147865	TONs
Indeno[1,2,3-C,D]Pyrene	193395	0.	7.39323E-08	7.39323E-08	TONs
MN - Manganese	7439965	0.	3.12159E-05	3.12159E-05	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0.	2.13582E-05	2.13582E-05	TONs
Methylcholanthrene, 3-	56495	0.	7.39323E-08	7.39323E-08	TONs
Methylnaphthalene, 2-	91576	0.	1.97153E-06	1.97153E-06	TONs
Naphthalene	91203	0.	5.01097E-05	5.01097E-05	TONs
Nickel	7440020	0.	1.72509E-04	1.72509E-04	TONs
Phenanthrene	85018	0.	1.3965E-06	1.3965E-06	TONs
Polycyclic Organic Matter	246	0.	0.00730233	0.00730233	TONs
Pyrene	129000	0.	4.10735E-07	4.10735E-07	TONs
Selenium	7782492	0.	9.85764E-07	9.85764E-07	TONs
Toluene	108883	0.	2.793E-04	2.793E-04	TONs

- **Processes**

- **Process & Emissions Detail**

Name: Pkg2 Oil

Source Classification Code (SCC): 1-03-005-01

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

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 5

Weeks Per Year: 1

Hours Per Year: 0

Winter (Dec - Feb)%: 100

Spring (March-May)%: 0

Summer (June-Aug)%: 0

Fall (Sept-Nov)%: 0

Material	Material Action	Throughput	X Units
Distillate Oil	Burned	0	1000 GALLONS

Variable	Amount	Meaning
HCl	136,970	Liquid Heat Content (Btu/gallons)
S	0.05	% Sulfur content by weight

- **Process Emissions**

Pollutant	Code	$	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
Total of Chargable Pollutants								0.	TONS	

- **Process & Emissions Detail**

Name: Pkg2 Gas

Source Classification Code (SCC): 1-03-006-01

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

Schedule Trade Secret:

Hours Per Day:	24	Winter (Dec - Feb)%:	84
Days Per Week:	7	Spring (March-May)%:	6
Weeks Per Year:	12	Summer (June-Aug)%:	0
Hours Per Year:	2008	Fall (Sept-Nov)%:	10

Material	Material Action	Throughput	X Units
Natural Gas	Burned	164.294	MILLION CUBIC FEET

Variable	Amount	Meaning
HCg	136970	Gas Heat Content (Btu/Cubic Feet)

- **Process Emissions**

Pollutant	Code	$	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		emissions: ENG. JUDGEMENT			0	0.41	0.41	TONs	Conservatively assumed same as total particulate
SO2 - Sulfur Dioxide	SO2	X	emissions: ENG. JUDGEMENT			0	0.05	0.05	TONs	SO2, tpy = 0.6 lb SO2/mmscf (permit limit) x 164.294 mmscf/yr /2000 lbs/ton = 0.05 tons/yr
NOx - Nitrogen Oxides	NOX	X	emissions: CEM			0	10.94	10.94	TONs	Based on CEMS NOx data
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT			0	0.08	0.08	TONs	OC, tpy = 2 x 0.001 lb OC/MMBtu (VOC permit limit) x 164.294 MMBtu/yr /2000 lbs/ton = 0.08 tons/yr (assumes 2 x VOC emissions based on AP-42 factors for VOC versus OC)
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0.00004	4E-05	TONs	Lead emissions, tpy = 0.0005 lb Lead/MMscf (AP-42) x 164.294 mmscf/yr /2000 lbs/ton = 0.00004 tons/yr
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: ENG. JUDGEMENT			0	0.41	0.41	TONs	PM, tpy = 0.005 lb particulate/MMBtu (permit limit) x 164.294 MMBtu/yr /2000 lbs/ton = 0.41 tons/yr
PM10 (Filt) - Primary PM10, Filterable	PM10-FIL		emissions: ENG. JUDGEMENT			0	0.41	0.41	TONs	Conservatively assumed same as total particulate

Portion Only										
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: ENG. JUDGEMENT			0	0.41	0.41	TONs	Conservatively assumed same as total particulate
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT			0	0.08	0.08	TONs	VOC, tpy = 0.001 lb/MMBtu (permit limit) x 164.294 MMbtu/yr /2000 lb/ton = 0.08 tpy
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	Assumed ammonia emissions are negligible
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	2.47	2.47	TONs	CO, tpy = 0.03 lb CO/MMBtu (permit limit) x 164.294 MMBtu/yr /2000 lbs/ton = 2.47 tons/yr
Total of Chargable Pollutants								11.48	TONS	

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- **Process Emissions**

Pollutant	Code	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
Acenaphthene	83329	factor:OEPA (auto calculate)	2008	9E-07	0.	7.39323E-08	7.39323E-08	TONs	
Acenaphthylene	208968	factor:OEPA (auto calculate)	2008	9E-07	0.	7.39323E-08	7.39323E-08	TONs	
Acetaldehyde	75070	factor:OEPA (auto calculate)	2008	2.86267	0.	0.23516	0.23516	TONs	
Acrolein	107028	factor:OEPA (auto calculate)	2008	2.46546	0.	0.20253	0.20253	TONs	
Anthracene	120127	factor:OEPA (auto	2008	1.2E-06	0.	9.85764E-08	9.85764E-08	TONs	

		calculate)							
Arsenic	7440382	factor:OEPA (auto calculate)	2008	2E-04	0.	1.64294E-05	1.64294E-05	TONs	
Benz[A]Anthracene	56553	factor:OEPA (auto calculate)	2008	9E-07	0.	7.39323E-08	7.39323E-08	TONs	
Benzene	71432	factor:OEPA (auto calculate)	2008	0.0021	0.	1.72509E-04	1.72509E-04	TONs	
Benzo[A]Pyrene	50328	factor:OEPA (auto calculate)	2008	6E-07	0.	4.92882E-08	4.92882E-08	TONs	
Benzo[B]Fluoranthene	205992	factor:OEPA (auto calculate)	2008	9E-07	0.	7.39323E-08	7.39323E-08	TONs	
Benzo[G,H,I,]Perylene	191242	factor:OEPA (auto calculate)	2008	6E-07	0.	4.92882E-08	4.92882E-08	TONs	
Benzo[K]Fluoranthene	207089	factor:OEPA (auto calculate)	2008	9E-07	0.	7.39323E-08	7.39323E-08	TONs	
Beryllium	7440417	factor:OEPA (auto calculate)	2008	6E-06	0.	4.92882E-07	4.92882E-07	TONs	
Cadmium	7440439	factor:OEPA (auto calculate)	2008	0.0011	0.	9.03617E-05	9.03617E-05	TONs	
Chromium	7440473	factor:OEPA (auto calculate)	2008	0.0014	0.	1.15006E-04	1.15006E-04	TONs	
Chrysene	218019	factor:OEPA (auto calculate)	2008	9E-07	0.	7.39323E-08	7.39323E-08	TONs	
Cobalt	7440484	factor:OEPA (auto calculate)	2008	8.4E-05	0.	6.90035E-06	6.90035E-06	TONs	
Dibenzo[A,H]Anthracene	53703	factor:OEPA (auto calculate)	2008	6E-07	0.	4.92882E-08	4.92882E-08	TONs	
Dimethylbenz[A]Anthracene,	57976	factor:OEPA (auto	2008	8E-06	0.	6.57176E-07	6.57176E-07	TONs	

7,12-		calculate)							
Fluoranthene	206440	factor:OEPA (auto calculate)	2008	3E-06	0.	2.46441E-07	2.46441E-07	TONs	
Fluorene	86737	factor:OEPA (auto calculate)	2008	2.8E-06	0.	2.30012E-07	2.30012E-07	TONs	
Formaldehyde	50000	factor:OEPA (auto calculate)	2008	0.075	0.	0.00616103	0.00616103	TONs	
Hexane, N-	110543	factor:OEPA (auto calculate)	2008	1.8	0.	0.147865	0.147865	TONs	
Indeno[1,2,3-C,D]Pyrene	193395	factor:OEPA (auto calculate)	2008	9E-07	0.	7.39323E-08	7.39323E-08	TONs	
MN - Manganese	7439965	factor:OEPA (auto calculate)	2008	3.8E-04	0.	3.12159E-05	3.12159E-05	TONs	
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	factor:OEPA (auto calculate)	2008	2.6E-04	0.	2.13582E-05	2.13582E-05	TONs	
Methylcholanthrene, 3-	56495	factor:OEPA (auto calculate)	2008	9E-07	0.	7.39323E-08	7.39323E-08	TONs	
Methylnaphthalene, 2-	91576	factor:OEPA (auto calculate)	2008	2.4E-05	0.	1.97153E-06	1.97153E-06	TONs	
Naphthalene	91203	factor:OEPA (auto calculate)	2008	6.1E-04	0.	5.01097E-05	5.01097E-05	TONs	
Nickel	7440020	factor:OEPA (auto calculate)	2008	0.0021	0.	1.72509E-04	1.72509E-04	TONs	
Phenanthrene	85018	factor:OEPA (auto calculate)	2008	1.7E-05	0.	1.3965E-06	1.3965E-06	TONs	
Polycyclic Organic Matter	246	factor:OEPA (auto calculate)	2008	0.0888935	0.	0.00730233	0.00730233	TONs	

Pyrene	129000	factor:OEPA (auto calculate)	2008	5E-06	0.	4.10735E-07	4.10735E-07	TONs	
Selenium	7782492	factor:OEPA (auto calculate)	2008	1.2E-05	0.	9.85764E-07	9.85764E-07	TONs	
Toluene	108883	factor:OEPA (auto calculate)	2008	0.0034	0.	2.793E-04	2.793E-04	TONs	

Emission Unit Summary: B103

Oct 7 2011, 13:07:23

Emissions Unit ID: B103

Detailed Reporting

DAPC Description:

- Unit Emissions

Pollutant	Code	$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		0.	3.876	3.876	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	159.9	159.9	TONs	X
NOx - Nitrogen Oxides	NOX	X	0	53.30	53.3	TONs	
Organic Compounds	OC	X	0	0.24	0.24	TONs	
Pb - Lead	7439921	X	0	0.002	0.002	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	13.98	13.98	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	2.80	2.8	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	2.80	2.8	TONs	
VOC - Volatile Organic Compounds	VOC		0	0.24	0.24	TONs	
Ammonia	NH3		0.	0.00273742	0.00273742	TONs	
CO - Carbon Monoxide	CO		0	24.2	24.2	TONs	
Total of Chargable Pollutants					227.422	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
Arsenic	7440382	0.	0.0178762	0.0178762	TONs
Benz[A]Anthracene	56553	0.	0.0358204	0.0358204	TONs
Cadmium	7440439	0.	0.00141466	0.00141466	TONs
Chromium	7440473	0.	0.0403822	0.0403822	TONs
Chrysene	218019	0.	0.00597006	0.00597006	TONs
Formaldehyde	50000	0.	0.0284218	0.0284218	TONs

Hydrochloric Acid (Hydrogen Chloride)	7647010	0.	5.814	5.814	TONs
Hydrogen Fluoride (Hydrofluoric Acid)	7664393	0.	0.72675	0.72675	TONs
Polycyclic Organic Matter	246	0.	0.200111	0.200111	TONs

- Processes

- Process & Emissions Detail

Name: Coal-fired boiler #4

Source Classification Code (SCC): 1-03-002-24

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 33

Hours Per Year: 5623

Winter (Dec - Feb)%: 41

Spring (March-May)%: 37

Summer (June-Aug)%: 15

Fall (Sept-Nov)%: 7

Material	Material Action	Throughput	X Units
Bituminous/Subbituminous Coal	Burned	9690	TONs

Variable	Amount	Meaning
HCs	13272	Solid Heat Content (Btu/Lb)
S	0.872	% 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 Condensible Portion Only (All Less than 1 Micron)	PM-CON		factor:OEPA (auto calculate)	5623	0.8	0.	3.876	3.876	TONs	
SO2 - Sulfur	SO2	X	emissions:			0	159.9	159.9	TONs	Based on monthly calculated SO2 emission rate x heat input

Dioxide			MAT. BALANCE							
NOx - Nitrogen Oxides	NOX	X	emissions: ENG. JUDGEMENT			0	53.30	53.3	TONs	11 lb NOx/ton of coal burned (AP-42) x 9690 tons/yr = 53.30 tons NOx/yr
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT			0	0.24	0.24	TONs	0.05 lbs OC/ton coal burned (AP-42) x 9690 tons coal = 0.24 tons OC/yr
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0.002	0.002	TONs	4.24E-4 lbs Pb/ton coal burned x 9690 tons coal = 0.002 tons Pb/yr
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: STACK TEST			0	13.98	13.98	TONs	Based on stack test: 0.11 lb PE/MMBtu x 254098 MMbtu/yr/2000 lbs/ton = 13.98 tons PE/yr
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: ENG. JUDGEMENT			0	2.80	2.8	TONs	Assumed 20% of Total PE (based on AP-42 emission factors for total particulate and PM-10)
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: ENG. JUDGEMENT			0	2.80	2.8	TONs	Conservatively assumed same as PM-10
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT			0	0.24	0.24	TONs	Conservatively assumes VOC = OC emissions
Ammonia	NH3		factor:OEPA (auto calculate)	5623	5.65E-04	0.	0.00273742	0.00273742	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	24.2	24.2	TONs	5 lbs CO/ton coal burned (AP-42) x 9690 tons coal = 24.2 tons CO/yr
Total of Chargable Pollutants								227.422	TONS	

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- **Process Emissions**

Pollutant	Code	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
Arsenic	7440382	factor:OEPA (auto calculate)	0	0.00368962	0.	0.0178762	0.0178762	TONs	
Benz[A]Anthracene	56553	factor:OEPA (auto calculate)	0	0.00739327	0.	0.0358204	0.0358204	TONs	
Cadmium	7440439	factor:OEPA (auto calculate)	0	2.91984E-04	0.	0.00141466	0.00141466	TONs	
Chromium	7440473	factor:OEPA (auto calculate)	0	0.00833482	0.	0.0403822	0.0403822	TONs	
Chrysene	218019	factor:OEPA (auto calculate)	0	0.00123221	0.	0.00597006	0.00597006	TONs	
Formaldehyde	50000	factor:OEPA (auto calculate)	0	0.00586622	0.	0.0284218	0.0284218	TONs	
Hydrochloric Acid (Hydrogen Chloride)	7647010	factor:OEPA (auto calculate)	0	1.2	0.	5.814	5.814	TONs	
Hydrogen Fluoride (Hydrofluoric Acid)	7664393	factor:OEPA (auto calculate)	0	0.15	0.	0.72675	0.72675	TONs	
Polycyclic Organic Matter	246	factor:OEPA (auto calculate)	0	0.0413025	0.	0.200111	0.200111	TONs	

Emission Unit Summary: B108

Oct 7 2011, 13:07:23

Emissions Unit ID: B108

Detailed Reporting

DAPC Description:

- Unit Emissions

Pollutant	Code	$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		0	2.77	2.77	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	344.9	344.9	TONs	X
NOx - Nitrogen Oxides	NOX	X	0	108.18	108.18	TONs	X
Organic Compounds	OC	X	0	0.53	0.53	TONs	
Pb - Lead	7439921	X	0	0.004	0.004	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	2.77	2.77	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	0.55	0.55	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	0.55	0.55	TONs	
VOC - Volatile Organic Compounds	VOC		0	0.53	0.53	TONs	
Ammonia	NH3		0.	0.00595764	0.00595764	TONs	
CO - Carbon Monoxide	CO		0	5.55	5.55	TONs	
Total of Chargable Pollutants					456.384	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
Arsenic	7440382	0.	0.0388553	0.0388553	TONs
Benz[A]Anthracene	56553	0.	0.0779583	0.0779583	TONs
Cadmium	7440439	0.	3.07488E-05	3.07488E-05	TONs
Chromium	7440473	0.	8.77739E-04	8.77739E-04	TONs
Chrysene	218019	0.	0.012993	0.012993	TONs
Formaldehyde	50000	0.	0.0617772	0.0617772	TONs

Hydrochloric Acid (Hydrogen Chloride)	7647010	0.	12.6534	12.6534	TONs
Hydrogen Fluoride (Hydrofluoric Acid)	7664393	0.	1.58168	1.58168	TONs
Polycyclic Organic Matter	246	0.	0.434956	0.434956	TONs

- Processes

- Process & Emissions Detail

Name: Coal-fired boiler #3

Source Classification Code (SCC): 1-03-002-24

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 40

Hours Per Year: 6756

Winter (Dec - Feb)%: 36

Spring (March-May)%: 29

Summer (June-Aug)%: 12

Fall (Sept-Nov)%: 23

Material	Material Action	Throughput	X Units
Bituminous/Subbituminous Coal	Burned	21089	TONs

Variable	Amount	Meaning
HCs	13255	Solid Heat Content (Btu/Lb)
S	0.868	% 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 Condensible Portion Only (All Less than 1 Micron)	PM-CON		emissions: ENG. JUDGEMENT			0	2.77	2.77	TONs	Assumed condensible particulate = total particulate
SO2 - Sulfur	SO2	X	emissions:			0	344.9	344.9	TONs	Based on monthly calculated SO2 emission rate x heat input

Dioxide			MAT. BALANCE							
NOx - Nitrogen Oxides	NOX	X	emissions: STACK TEST			0	108.18	108.18	TONs	0.39 lb NOx/MMBtu x 554762 MMBtu/yr /2000lb/ton = 108.18 tons NOx/yr
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT			0	0.53	0.53	TONs	0.05 lbs OC/ton coal burned (AP-42) x 21089 tons coal = 0.53 tons OC/yr
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0.004	0.004	TONs	4.24E-4 lbs Pb/ton coal burned x 21089 tons coal/2000 lb/ton = 0.004 tons Pb/yr
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: STACK TEST			0	2.77	2.77	TONs	Based on stack test: 0.005 lb PE/MMBtu x 554762 MMbtu/yr/2000 lbs/ton = 2.77 tons PE/yr
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: ENG. JUDGEMENT			0	0.55	0.55	TONs	Assumed 20% of Total PE (based on AP-42 emission factors for total particulate and PM-10)
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: ENG. JUDGEMENT			0	0.55	0.55	TONs	Conservatively assumed same as PM-10
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT			0	0.53	0.53	TONs	Conservatively assumes VOC = OC emissions
Ammonia	NH3		factor:OEPA (auto calculate)	6756	5.65E-04	0.	0.00595764	0.00595764	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	5.55	5.55	TONs	5 lbs CO/ton coal burned (AP-42) x 21089 tons coal /2000 lb/ton = 5.55 tons CO/yr
Total of Chargable Pollutants								456.384	TONS	

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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
Arsenic	7440382	factor:OEPA (auto calculate)	6756	0.00368489	0.	0.0388553	0.0388553	TONs	
Benz[A]Anthracene	56553	factor:OEPA (auto calculate)	0	0.00739327	0.	0.0779583	0.0779583	TONs	
Cadmium	7440439	factor:OEPA (auto calculate)	0	2.9161E-04	0.	3.07488E-05	3.07488E-05	TONs	
Chromium	7440473	factor:OEPA (auto calculate)	0	0.00832414	0.	8.77739E-04	8.77739E-04	TONs	
Chrysene	218019	factor:OEPA (auto calculate)	0	0.00123221	0.	0.012993	0.012993	TONs	
Formaldehyde	50000	factor:OEPA (auto calculate)	0	0.00585871	0.	0.0617772	0.0617772	TONs	
Hydrochloric Acid (Hydrogen Chloride)	7647010	factor:OEPA (auto calculate)	0	1.2	0.	12.6534	12.6534	TONs	
Hydrogen Fluoride (Hydrofluoric Acid)	7664393	factor:OEPA (auto calculate)	0	0.15	0.	1.58168	1.58168	TONs	
Polycyclic Organic Matter	246	factor:OEPA (auto calculate)	0	0.0412496	0.	0.434956	0.434956	TONs	

Emission Unit Summary: P001

Oct 7 2011, 13:07:23

Emissions Unit ID: P001

Detailed Reporting

DAPC Description:

- Unit Emissions

Pollutant	Code	$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		0	0.68	0.68	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	0.000008	8E-06	TONs	
NOx - Nitrogen Oxides	NOX	X	0	9.6	9.6	TONs	
Organic Compounds	OC	X	0	3.1	3.1	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	0.68	0.68	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	0.68	0.68	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	0.68	0.68	TONs	
VOC - Volatile Organic Compounds	VOC		0	3.1	3.1	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	8.8	8.8	TONs	
Total of Chargable Pollutants					13.38	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
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0.	1.56982E-04	1.56982E-04	TONs
Nickel	7440020	0.	0.00241346	0.00241346	TONs

- Processes

- Process & Emissions Detail

Name: ECUPChiller #1

Source Classification Code (SCC): 2-03-002-07

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 17

Hours Per Year: 2835

Winter (Dec - Feb)%: 0

Spring (March-May)%: 6

Summer (June-Aug)%: 61

Fall (Sept-Nov)%: 33

Material	Material Action	Throughput	X Units
Natural Gas	Burned	26.99	MILLION CUBIC FEET

Variable	Amount	Meaning
HCg	1024	Gas Heat Content (Btu/Cubic Feet)

- Process Emissions

Pollutant	Code	$	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		emissions: ENG. JUDGEMENT			0	0.68	0.68	TONs	Assumed PMcond = Total PE
SO2 - Sulfur Dioxide	SO2	X	emissions: ENG. JUDGEMENT			0	0.000008	8E-06	TONs	SO2, tpy = 5.88E-04 lb SO2/MMBtu x 26.99 mmBtu/yr/2000 lb/ton = 0.000008 tons
NOx - Nitrogen Oxides	NOX	X	emissions: ENG. JUDGEMENT			0	9.6	9.6	TONs	NOx, tpy = 6.75 lb/hrx 2835 hrs/yr/2000 lb/ton = 9.6 tons
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT			0	3.1	3.1	TONs	OC, tpy = 2.2 lb OC/hr x 2835 hrs/yr/2000 lb/ton = 3.1 tons
		X								

Pb - Lead	7439921		emissions: ENG. JUDGEMENT			0	0	0.	TONs	Assumed negligible
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: ENG. JUDGEMENT			0	0.68	0.68	TONs	PE, tpy = 0.48 lb PE/hr x 2835 hrs/yr/2000 lb/ton = 0.68 tons
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: ENG. JUDGEMENT			0	0.68	0.68	TONs	Assumed PM10 = PE
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: ENG. JUDGEMENT			0	0.68	0.68	TONs	Assumed PM2.5 = PE
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT			0	3.1	3.1	TONs	Assumes VOC = OC
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	Assumed negligible
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	8.8	8.8	TONs	CO, tpy = 6.2 lb CO/hr x 2835 hrs/yr/2000 lb/ton = 8.8 tons
Total of Chargable Pollutants								13.38	TONS	

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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
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	factor:OEPA (auto calculate)	2835	0.0116326	0.	1.56982E-04	1.56982E-04	TONs	

Nickel	7440020	factor:OEPA (auto calculate)	2835	0.178841	0.	0.00241346	0.00241346	TONs	

Emission Unit Summary: P002

Oct 7 2011, 13:07:23

Emissions Unit ID: P002

Detailed Reporting

DAPC Description:

- Unit Emissions

Pollutant	Code	$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		0	0.58	0.58	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	0.000007	7E-06	TONs	
NOx - Nitrogen Oxides	NOX	X	0	8.2	8.2	TONs	
Organic Compounds	OC	X	0	2.7	2.7	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	0.58	0.58	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	0.58	0.58	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	0.58	0.58	TONs	
VOC - Volatile Organic Compounds	VOC		0	2.7	2.7	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	7.5	7.5	TONs	
Total of Chargable Pollutants					11.48	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
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0.	1.37265E-04	1.37265E-04	TONs
Nickel	7440020	0.	0.00211032	0.00211032	TONs

- Processes

- Process & Emissions Detail

Name: ECUP Chiller #2

Source Classification Code (SCC): 2-03-002-07

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 14

Hours Per Year: 2419

Winter (Dec - Feb)%: 0

Spring (March-May)%: 9

Summer (June-Aug)%: 70

Fall (Sept-Nov)%: 21

Material	Material Action	Throughput	X Units
Natural Gas	Burned	23.60	MILLION CUBIC FEET

Variable	Amount	Meaning
HCg	1024	Gas Heat Content (Btu/Cubic Feet)

- Process Emissions

Pollutant	Code	$	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		emissions: ENG. JUDGEMENT			0	0.58	0.58	TONs	Assumed PMcond = PE
SO2 - Sulfur Dioxide	SO2	X	emissions: ENG. JUDGEMENT			0	0.000007	7E-06	TONs	SO2 tpy = 5.88e-04 lb/MMBtu x 23.60 MMBtu/yr/2000 lb/ton = 0.000007 tpy
NOx - Nitrogen Oxides	NOX	X	emissions: ENG. JUDGEMENT			0	8.2	8.2	TONs	NOx tpy = 6.75 lb NOx/hr x 2419 hrs/yr/2000 lb/ton = 8.2 tpy
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT			0	2.7	2.7	TONs	OC tpy = 2.2 lb OC/hr x 2419 hrs/yr/2000 lb/ton = 2.7 tpy
		X								

Pb - Lead	7439921		emissions: ENG. JUDGEMENT			0	0	0.	TONs	Assumes negligible
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: ENG. JUDGEMENT			0	0.58	0.58	TONs	PE tpy = 0.48 lb PE/hr x 2419 hrs/yr/2000 lb/ton = 0.58 tpy
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: ENG. JUDGEMENT			0	0.58	0.58	TONs	Assumed PM10 = PE
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: ENG. JUDGEMENT			0	0.58	0.58	TONs	Assumed PM2.5 = PE
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT			0	2.7	2.7	TONs	Assumed VOC = OC
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	Assumed negligible
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	7.5	7.5	TONs	CO, tpy = 6.2 lb CO/hr x 2419 hrs/yr/2000 lb/ton = 7.5 tpy
Total of Chargable Pollutants								11.48	TONS	

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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
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	factor:OEPA (auto calculate)	2419	0.0116326	0.	1.37265E-04	1.37265E-04	TONs	

Nickel	7440020	factor:OEPA (auto calculate)	2419	0.178841	0.	0.00211032	0.00211032	TONs	

Emission Unit Summary: P003

Oct 7 2011, 13:07:23

Emissions Unit ID: P003

Detailed Reporting

DAPC Description:

- Unit Emissions

Pollutant	Code	$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		0	3.24	3.24	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	0.36	0.36	TONs	
NOx - Nitrogen Oxides	NOX	X	0	34.45	34.45	TONs	
Organic Compounds	OC	X	0	0.19	0.19	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	3.24	3.24	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	3.24	3.24	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	3.24	3.24	TONs	
VOC - Volatile Organic Compounds	VOC		0	0.19	0.19	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	4.3	4.3	TONs	
Total of Chargable Pollutants					38.24	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
Acetaldehyde	75070	0.	0.00656706	0.00656706	TONs
Acrolein	107028	0.	0.00105073	0.00105073	TONs
Benz[A]Anthracene	56553	0.	4.92529E-04	4.92529E-04	TONs
Benzene	71432	0.	0.00197012	0.00197012	TONs
Butadiene, 1,3-	106990	0.	3.52979E-05	3.52979E-05	TONs
Cadmium	7440439	0.	0.00113692	0.00113692	TONs

Chromium	7440473	0.	0.00218191	0.00218191	TONs
Ethyl Benzene	100414	0.	0.00525364	0.00525364	TONs
Fluoranthene	206440	0.	1.97012E-04	1.97012E-04	TONs
Formaldehyde	50000	0.	0.116565	0.116565	TONs
MN - Manganese	7439965	0.	0.0131669	0.0131669	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0.	0.00108849	0.00108849	TONs
Naphthalene	91203	0.	2.13429E-04	2.13429E-04	TONs
Nickel	7440020	0.	0.0188311	0.0188311	TONs
PAH, 16-	40	0.	3.61188E-04	3.61188E-04	TONs
Phenol	108952	0.	0.00208504	0.00208504	TONs
Propylene Oxide	75569	0.	0.00238056	0.00238056	TONs
Toluene	108883	0.	0.0213429	0.0213429	TONs
Xylenes (Isomers and Mixture)	1330207	0.	0.0105073	0.0105073	TONs

- Processes

- Process & Emissions Detail

Name: CTG1 - Gas

Source Classification Code (SCC): 2-03-002-03

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 46

Hours Per Year: 7757

Winter (Dec - Feb)%: 23

Spring (March-May)%: 28

Summer (June-Aug)%: 22

Fall (Sept-Nov)%: 27

Material	Material Action	Throughput	X Units
Natural Gas	Burned	320.657	MILLION CUBIC FEET

Variable	Amount	Meaning
HCg	1024	Gas Heat Content (Btu/Cubic Feet)

S	0	% 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 Condensible Portion Only (All Less than 1 Micron)	PM-CON		emissions: ENG. JUDGEMENT			0	3.24	3.24	TONs	Conservatively assumes same as total particulate
SO2 - Sulfur Dioxide	SO2	X	emissions: ENG. JUDGEMENT			0	0.36	0.36	TONs	SO2,tpy = 0.6 lb/mmcf x 320.657 mmscf/yr/2000 lb/ton = 0.36 tpy
NOx - Nitrogen Oxides	NOX	X	emissions: CEM			0	34.45	34.45	TONs	CEMS data
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT			0	0.19	0.19	TONs	((5211 hours/yr x 0.05 lb OC/hr with duct burner)+(2546 hours/yr x 0.05 lb OC/hr without duct burner))/2000 lbs/ton = 0.19 tons OC per year
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Assumed negligible
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: ENG. JUDGEMENT			0	3.24	3.24	TONs	((5211 hours/yr x 1 lb PE/hr with duct burner)+(2546 hours/yr x 0.5 lb PE/hr without duct burner))/2000 lbs/ton = 3.24 tons PE per year
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: ENG. JUDGEMENT			0	3.24	3.24	TONs	Conservatively assumes same as total particulate
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: ENG. JUDGEMENT			0	3.24	3.24	TONs	Conservatively assumes same as total particulate
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT			0	0.19	0.19	TONs	Conservatively assumes same as OC
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	Assumed negligable
CO - Carbon	CO		emissions:			0	4.3	4.3	TONs	CEMS data

Monoxide			CEM							
Total of Chargable Pollutants								38.24	TONS	

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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
Acetaldehyde	75070	factor:OEPA (auto calculate)	7757	0.04096	0.	0.00656706	0.00656706	TONs	
Acrolein	107028	factor:OEPA (auto calculate)	7757	0.0065536	0.	0.00105073	0.00105073	TONs	
Benz[A]Anthracene	56553	factor:OEPA (auto calculate)	7757	0.003072	0.	4.92529E-04	4.92529E-04	TONs	
Benzene	71432	factor:OEPA (auto calculate)	7757	0.012288	0.	0.00197012	0.00197012	TONs	
Butadiene, 1,3-	106990	factor:OEPA (auto calculate)	7757	2.2016E-04	0.	3.52979E-05	3.52979E-05	TONs	
Cadmium	7440439	factor:OEPA (auto calculate)	7757	0.0070912	0.	0.00113692	0.00113692	TONs	
Chromium	7440473	factor:OEPA (auto calculate)	7757	0.013609	0.	0.00218191	0.00218191	TONs	
Ethyl Benzene	100414	factor:OEPA (auto calculate)	7757	0.032768	0.	0.00525364	0.00525364	TONs	
Fluoranthene	206440	factor:OEPA (auto calculate)	7757	0.0012288	0.	1.97012E-04	1.97012E-04	TONs	

Formaldehyde	50000	factor:OEPA (auto calculate)	7757	0.72704	0.	0.116565	0.116565	TONs	
MN - Manganese	7439965	factor:OEPA (auto calculate)	7757	0.0821248	0.	0.0131669	0.0131669	TONs	
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	factor:OEPA (auto calculate)	7757	0.00678912	0.	0.00108849	0.00108849	TONs	
Naphthalene	91203	factor:OEPA (auto calculate)	7757	0.0013312	0.	2.13429E-04	2.13429E-04	TONs	
Nickel	7440020	factor:OEPA (auto calculate)	7757	0.117453	0.	0.0188311	0.0188311	TONs	
PAH, 16-	40	factor:OEPA (auto calculate)	7757	0.0022528	0.	3.61188E-04	3.61188E-04	TONs	
Phenol	108952	factor:OEPA (auto calculate)	7757	0.0130048	0.	0.00208504	0.00208504	TONs	
Propylene Oxide	75569	factor:OEPA (auto calculate)	7757	0.014848	0.	0.00238056	0.00238056	TONs	
Toluene	108883	factor:OEPA (auto calculate)	7757	0.13312	0.	0.0213429	0.0213429	TONs	
Xylenes (Isomers and Mixture)	1330207	factor:OEPA (auto calculate)	7757	0.065536	0.	0.0105073	0.0105073	TONs	

- Process & Emissions Detail

Name: CTG1 - Oil

Source Classification Code (SCC): 2-03-001-02

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Winter (Dec - Feb)%: 100

Days Per Week: 7

Weeks Per Year: 0

Hours Per Year: 0

Spring (March-May)%: 0

Summer (June-Aug)%: 0

Fall (Sept-Nov)%: 0

Material	Material Action	Throughput	X Units
Distillate Oil (Diesel)	Burned	0	1000 GALLONS

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

- **Process Emissions**

Pollutant	Code	$	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
Total of Chargable Pollutants								0.	TONS	

Emission Unit Summary: P004

Oct 7 2011, 13:07:23

Emissions Unit ID: P004

Detailed Reporting

DAPC Description:

- Unit Emissions

Pollutant	Code	$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		0	3.74	3.74	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	0.36	0.36	TONs	
NOx - Nitrogen Oxides	NOX	X	0	46.15	46.15	TONs	
Organic Compounds	OC	X	0	0.66	0.66	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	3.74	3.74	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	3.74	3.74	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	3.74	3.74	TONs	
VOC - Volatile Organic Compounds	VOC		0	0.66	0.66	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	4.42	4.42	TONs	
Total of Chargable Pollutants					50.91	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
Acetaldehyde	75070	0.	0.00605178	0.00605178	TONs
Acrolein	107028	0.	9.68285E-04	9.68285E-04	TONs
Benz[A]Anthracene	56553	0.	4.53883E-04	4.53883E-04	TONs
Benzene	71432	0.	0.00181553	0.00181553	TONs
Butadiene, 1,3-	106990	0.	3.25283E-05	3.25283E-05	TONs
Cadmium	7440439	0.	0.00104771	0.00104771	TONs

Chromium	7440473	0.	0.00201071	0.00201071	TONs
Ethyl Benzene	100414	0.	0.00484142	0.00484142	TONs
Fluoranthene	206440	0.	1.81553E-04	1.81553E-04	TONs
Formaldehyde	50000	0.	0.107419	0.107419	TONs
MN - Manganese	7439965	0.	0.0121338	0.0121338	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0.	0.00100308	0.00100308	TONs
Naphthalene	91203	0.	1.96683E-04	1.96683E-04	TONs
Nickel	7440020	0.	0.0173535	0.0173535	TONs
PAH, 16-	40	0.	3.32848E-04	3.32848E-04	TONs
Phenol	108952	0.	0.00192144	0.00192144	TONs
Propylene Oxide	75569	0.	0.00219377	0.00219377	TONs
Toluene	108883	0.	0.0196683	0.0196683	TONs
Xylenes (Isomers and Mixture)	1330207	0.	0.00968285	0.00968285	TONs

- Processes

- Process & Emissions Detail

Name: CTG 2 - Gas

Source Classification Code (SCC): 2-03-002-03

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 44

Hours Per Year: 7472

Winter (Dec - Feb)%: 24

Spring (March-May)%: 27

Summer (June-Aug)%: 23

Fall (Sept-Nov)%: 26

Material	Material Action	Throughput	X Units
Natural Gas	Burned	295.497	MILLION CUBIC FEET

Variable	Amount	Meaning
HCg	1024	Gas Heat Content (Btu/Cubic Feet)

S	0	% 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 Condensible Portion Only (All Less than 1 Micron)	PM-CON		emissions: ENG. JUDGEMENT			0	3.74	3.74	TONs	Conservatively assumes same as total particulate
SO2 - Sulfur Dioxide	SO2	X	emissions: ENG. JUDGEMENT			0	0.36	0.36	TONs	SO2,tpy = 0.6 lb/mmcf x 295.497 mmscf/yr/2000 lb/ton = 0.36 tpy
NOx - Nitrogen Oxides	NOX	X	emissions: CEM			0	46.15	46.15	TONs	CEMS data
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT			0	0.66	0.66	TONs	((5835 hours/yr x 0.05 lb OC/hr with duct burner)+(1637 hours/yr x 0.05 lb OC/hr without duct burner))/2000 lbs/ton = 0.66 tons OC per year
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Assumed negligable
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: ENG. JUDGEMENT			0	3.74	3.74	TONs	((5835 hours/yr x 1 lb PE/hr with duct burner)+(1637 hours/yr x 0.5 lb PE/hr without duct burner))/2000 lbs/ton = 3.74 tons PE per year
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: ENG. JUDGEMENT			0	3.74	3.74	TONs	Conservatively assumes same as total particulate
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: ENG. JUDGEMENT			0	3.74	3.74	TONs	Conservatively assumes same as total particulate
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT			0	0.66	0.66	TONs	Conservatively assumes same as OC
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	Assumed negligable
CO - Carbon	CO		emissions:			0	4.42	4.42	TONs	CEMS data

Monoxide			CEM							
Total of Chargable Pollutants								50.91	TONS	

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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
Acetaldehyde	75070	factor:OEPA (auto calculate)	7472	0.04096	0.	0.00605178	0.00605178	TONs	
Acrolein	107028	factor:OEPA (auto calculate)	7472	0.0065536	0.	9.68285E-04	9.68285E-04	TONs	
Benz[A]Anthracene	56553	factor:OEPA (auto calculate)	7472	0.003072	0.	4.53883E-04	4.53883E-04	TONs	
Benzene	71432	factor:OEPA (auto calculate)	7472	0.012288	0.	0.00181553	0.00181553	TONs	
Butadiene, 1,3-	106990	factor:OEPA (auto calculate)	7472	2.2016E-04	0.	3.25283E-05	3.25283E-05	TONs	
Cadmium	7440439	factor:OEPA (auto calculate)	7472	0.0070912	0.	0.00104771	0.00104771	TONs	
Chromium	7440473	factor:OEPA (auto calculate)	7472	0.013609	0.	0.00201071	0.00201071	TONs	
Ethyl Benzene	100414	factor:OEPA (auto calculate)	7472	0.032768	0.	0.00484142	0.00484142	TONs	
Fluoranthene	206440	factor:OEPA (auto calculate)	7472	0.0012288	0.	1.81553E-04	1.81553E-04	TONs	

Formaldehyde	50000	factor:OEPA (auto calculate)	7472	0.72704	0.	0.107419	0.107419	TONs	
MN - Manganese	7439965	factor:OEPA (auto calculate)	7472	0.0821248	0.	0.0121338	0.0121338	TONs	
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	factor:OEPA (auto calculate)	7472	0.00678912	0.	0.00100308	0.00100308	TONs	
Naphthalene	91203	factor:OEPA (auto calculate)	7472	0.0013312	0.	1.96683E-04	1.96683E-04	TONs	
Nickel	7440020	factor:OEPA (auto calculate)	7472	0.117453	0.	0.0173535	0.0173535	TONs	
PAH, 16-	40	factor:OEPA (auto calculate)	7472	0.0022528	0.	3.32848E-04	3.32848E-04	TONs	
Phenol	108952	factor:OEPA (auto calculate)	7472	0.0130048	0.	0.00192144	0.00192144	TONs	
Propylene Oxide	75569	factor:OEPA (auto calculate)	7472	0.014848	0.	0.00219377	0.00219377	TONs	
Toluene	108883	factor:OEPA (auto calculate)	7472	0.13312	0.	0.0196683	0.0196683	TONs	
Xylenes (Isomers and Mixture)	1330207	factor:OEPA (auto calculate)	7472	0.065536	0.	0.00968285	0.00968285	TONs	

- **Process & Emissions Detail**

Name: CTG 2 - Oil

Source Classification Code (SCC): 2-03-001-02

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

Schedule Trade Secret:

Hours Per Day: 24

Winter (Dec - Feb)%: 100

Days Per Week: 7

Weeks Per Year: 0

Hours Per Year: 0

Spring (March-May)%: 0

Summer (June-Aug)%: 0

Fall (Sept-Nov)%: 0

Material	Material Action	Throughput	X Units
Distillate Oil (Diesel)	Burned	0	1000 GALLONS

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

- **Process Emissions**

Pollutant	Code	$	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
Total of Chargable Pollutants								0.	TONS	

Emission Unit Summary: P005

Oct 7 2011, 13:07:23

Emissions Unit ID: P005

Detailed Reporting

DAPC Description:

- Unit Emissions

Pollutant	Code	$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		0	0.01	0.01	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	0.02	0.02	TONs	
NOx - Nitrogen Oxides	NOX	X	0	1.19	1.19	TONs	
Organic Compounds	OC	X	0	0.03	0.03	TONs	
Pb - Lead	7439921	X	0	.00000086	8.6E-07	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	0.01	0.01	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	0.01	0.01	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	0.01	0.01	TONs	
VOC - Volatile Organic Compounds	VOC		0	0.03	0.03	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0.05	0.05	TONs	
Total of Chargable Pollutants					1.25	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.	5.17363E-08	5.17363E-08	TONs
Acenaphthylene	208968	0.	1.84356E-07	1.84356E-07	TONs
Acetaldehyde	75070	0.	5.58898E-05	5.58898E-05	TONs
Acrolein	107028	0.	3.37015E-06	3.37015E-06	TONs
Anthracene	120127	0.	1.36263E-07	1.36263E-07	TONs
Benz[A]Anthracene	56553	0.	8.0864E-10	8.0864E-10	TONs

Benzene	71432	0.	6.8628E-05	6.8628E-05	TONs
Benzo[A]Pyrene	50328	0.	1.56302E-08	1.56302E-08	TONs
Benzo[B]Fluoranthene	205992	0.	3.61061E-09	3.61061E-09	TONs
Benzo[G,H,I,]Perylene	191242	0.	1.78163E-08	1.78163E-08	TONs
Benzo[K]Fluoranthene	207089	0.	5.64729E-09	5.64729E-09	TONs
Butadiene, 1,3-	106990	0.	1.42457E-06	1.42457E-06	TONs
Chrysene	218019	0.	6.384E-09	6.384E-09	TONs
Dibenzo[A,H]Anthracene	53703	0.	2.12411E-08	2.12411E-08	TONs
Ethyl Benzene	100414	0.	1.63324E-06	1.63324E-06	TONs
Fluoranthene	206440	0.	6.9692E-08	6.9692E-08	TONs
Fluorene	86737	0.	2.12774E-06	2.12774E-06	TONs
Formaldehyde	50000	0.	3.52716E-05	3.52716E-05	TONs
Indeno[1,2,3-C,D]Pyrene	193395	0.	1.36628E-08	1.36628E-08	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0.	2.19624E-08	2.19624E-08	TONs
Naphthalene	91203	0.	6.8628E-06	6.8628E-06	TONs
PAH, 16-	40	0.	1.22419E-05	1.22419E-05	TONs
Phenanthrene	85018	0.	2.14232E-06	2.14232E-06	TONs
Pyrene	129000	0.	3.48309E-07	3.48309E-07	TONs
Toluene	108883	0.	2.05352E-05	2.05352E-05	TONs
Xylenes (Isomers and Mixture)	1330207	0.	3.63888E-06	3.63888E-06	TONs

- Processes

- Process & Emissions Detail

Name: CUP diesel generator

Source Classification Code (SCC): 2-01-001-02

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 3

Days Per Week: 2

Weeks Per Year: 13

Winter (Dec - Feb)%: 5

Spring (March-May)%: 10

Summer (June-Aug)%: 77

Hours Per Year: 77 Fall (Sept-Nov)%: 8

Material	Material Action	Throughput	X Units
Distillate Oil (Diesel)	Burned	1.064	1000 GALLONS

Variable	Amount	Meaning
HCl	136970	Liquid Heat Content (Btu/gallons)

- **Process Emissions**

Pollutant	Code	$	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		emissions: ENG. JUDGEMENT			0	0.01	0.01	TONs	Conservatively assumes same as total particulate
SO2 - Sulfur Dioxide	SO2	X	emissions: ENG. JUDGEMENT			0	0.02	0.02	TONs	SO2,tpy = 0.62 lb/hr x 77hr/yr/2000 lb/ton = 0.02 tpy
NOx - Nitrogen Oxides	NOX	X	emissions: ENG. JUDGEMENT			0	1.19	1.19	TONs	NOx,tpy = 30.90 lb/hr x 77hr/yr/2000 lb/ton = 1.19 tpy
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT			0	0.03	0.03	TONs	Conservatively assumes same as VOC
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	.00000086	8.6E-07	TONs	Pb,tpy = 0.00002 lb/hr x 77hr/yr/2000 lb/ton = .00000086 tpy
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: ENG. JUDGEMENT			0	0.01	0.01	TONs	PE,tpy = 0.17 lb/hr x 77hr/yr/2000 lb/ton = 0.01 tpy
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: ENG. JUDGEMENT			0	0.01	0.01	TONs	Conservatively assumes same as total particulate
PM2.5 (FILT) - Primary PM2.5,	PM25-FIL		emissions: ENG.			0	0.01	0.01	TONs	Conservatively assumes same as total particulate

Filterable Portion Only			JUDGEMENT							
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT			0	0.03	0.03	TONs	VOC,tpy = 0.78 lb/hr x 77hr/yr/2000 lb/ton = 0.03 tpy
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	Assumed negligable
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0.05	0.05	TONs	CO,tpy = 1.31 lb/hr x 77hr/yr/2000 lb/ton = 0.05 tpy
Total of Chargable Pollutants								1.25	TONS	

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- **Process Emissions**

Pollutant	Code	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
Acenaphthene	83329	factor:OEPA (auto calculate)	0	9.72487E-05	0.	5.17363E-08	5.17363E-08	TONs	
Acenaphthylene	208968	factor:OEPA (auto calculate)	0	3.46534E-04	0.	1.84356E-07	1.84356E-07	TONs	
Acetaldehyde	75070	factor:OEPA (auto calculate)	0	0.105056	0.	5.58898E-05	5.58898E-05	TONs	
Acrolein	107028	factor:OEPA (auto calculate)	0	0.00633486	0.	3.37015E-06	3.37015E-06	TONs	
Anthracene	120127	factor:OEPA (auto calculate)	0	2.56134E-04	0.	1.36263E-07	1.36263E-07	TONs	
Benz[A]Anthracene	56553	factor:OEPA (auto	0	1.52E-06	0.	8.0864E-10	8.0864E-10	TONs	

		calculate)							
Benzene	71432	factor:OEPA (auto calculate)	0	0.129	0.	6.8628E-05	6.8628E-05	TONs	
Benzo[A]Pyrene	50328	factor:OEPA (auto calculate)	0	2.93801E-05	0.	1.56302E-08	1.56302E-08	TONs	
Benzo[B]Fluoranthene	205992	factor:OEPA (auto calculate)	0	6.78686E-06	0.	3.61061E-09	3.61061E-09	TONs	
Benzo[G,H,I,]Perylene	191242	factor:OEPA (auto calculate)	0	3.34892E-05	0.	1.78163E-08	1.78163E-08	TONs	
Benzo[K]Fluoranthene	207089	factor:OEPA (auto calculate)	0	1.06152E-05	0.	5.64729E-09	5.64729E-09	TONs	
Butadiene, 1,3-	106990	factor:OEPA (auto calculate)	0	0.00267776	0.	1.42457E-06	1.42457E-06	TONs	
Chrysene	218019	factor:OEPA (auto calculate)	0	1.2E-05	0.	6.384E-09	6.384E-09	TONs	
Dibenzo[A,H]Anthracene	53703	factor:OEPA (auto calculate)	0	3.99268E-05	0.	2.12411E-08	2.12411E-08	TONs	
Ethyl Benzene	100414	factor:OEPA (auto calculate)	0	0.00307	0.	1.63324E-06	1.63324E-06	TONs	
Fluoranthene	206440	factor:OEPA (auto calculate)	0	1.31E-04	0.	6.9692E-08	6.9692E-08	TONs	
Fluorene	86737	factor:OEPA (auto calculate)	0	0.00399952	0.	2.12774E-06	2.12774E-06	TONs	
Formaldehyde	50000	factor:OEPA (auto calculate)	0	0.0663	0.	3.52716E-05	3.52716E-05	TONs	
Indeno[1,2,3-C,D]Pyrene	193395	factor:OEPA (auto calculate)	0	2.56819E-05	0.	1.36628E-08	1.36628E-08	TONs	
Mercury, as HG; Alkyl & Aryl	7439976	factor:OEPA (auto	0	4.12828E-05	0.	2.19624E-08	2.19624E-08	TONs	

CMPNDS; Elemental & Inorganic Forms		calculate)							
Naphthalene	91203	factor:OEPA (auto calculate)	0	0.0129	0.	6.8628E-06	6.8628E-06	TONs	
PAH, 16-	40	factor:OEPA (auto calculate)	0	0.023011	0.	1.22419E-05	1.22419E-05	TONs	
Phenanthrene	85018	factor:OEPA (auto calculate)	0	0.00402692	0.	2.14232E-06	2.14232E-06	TONs	
Pyrene	129000	factor:OEPA (auto calculate)	0	6.54717E-04	0.	3.48309E-07	3.48309E-07	TONs	
Toluene	108883	factor:OEPA (auto calculate)	0	0.0386	0.	2.05352E-05	2.05352E-05	TONs	
Xylenes (Isomers and Mixture)	1330207	factor:OEPA (auto calculate)	0	0.00684	0.	3.63888E-06	3.63888E-06	TONs	