

TV FER/EIS Emissions Report (202166) for 2010
Cognis Corp
1431070035
April 14, 2011

Acetaldehyde	75070	0.	2.75776E-04	2.75776E-04	TONs
Acrolein	107028	0.	2.3751E-04	2.3751E-04	TONs
Anthracene	120127	0.	1.56E-08	1.56E-08	TONs
Arsenic	7440382	0.	2.6E-06	2.6E-06	TONs
Benz[A]Anthracene	56553	0.	1.17E-08	1.17E-08	TONs
Benzene	71432	0.	2.73E-05	2.73E-05	TONs
Benzo[A]Pyrene	50328	0.	7.8E-09	7.8E-09	TONs
Benzo[B]Fluoranthene	205992	0.	1.17E-08	1.17E-08	TONs
Benzo[G,H,I,]Perylene	191242	0.	0.0273	0.0273	TONs
Benzo[K]Fluoranthene	207089	0.	1.17E-08	1.17E-08	TONs
Beryllium	7440417	0.	7.8E-08	7.8E-08	TONs
Cadmium	7440439	0.	1.43E-05	1.43E-05	TONs
Chromium	7440473	0.	1.82E-05	1.82E-05	TONs
Chrysene	218019	0.	1.17E-08	1.17E-08	TONs
Cobalt	7440484	0.	1.092E-06	1.092E-06	TONs
Dibenzo[A,H]Anthracene	53703	0.	7.8E-09	7.8E-09	TONs
Dimethylbenz[A]Anthracene, 7,12-	57976	0.	1.04E-07	1.04E-07	TONs
Fluoranthene	206440	0.	3.9E-08	3.9E-08	TONs
Fluorene	86737	0.	3.64E-08	3.64E-08	TONs
Formaldehyde	50000	0.	9.75E-04	9.75E-04	TONs
Hexane, N-	110543	0.	0.0234	0.0234	TONs
Indeno[1,2,3-C,D]Pyrene	193395	0.	1.17E-08	1.17E-08	TONs
MN - Manganese	7439965	0.	4.94E-06	4.94E-06	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0.	3.38E-06	3.38E-06	TONs
Methylcholanthrene, 3-	56495	0.	1.17E-08	1.17E-08	TONs
Methylnaphthalene, 2-	91576	0.	3.12E-07	3.12E-07	TONs
Naphthalene	91203	0.	7.93E-06	7.93E-06	TONs
Nickel	7440020	0.	2.73E-05	2.73E-05	TONs
Phenanthrene	85018	0.	2.21E-07	2.21E-07	TONs
Polycyclic Organic Matter	246	0.	8.56356E-06	8.56356E-06	TONs
Pyrene	129000	0.	6.5E-08	6.5E-08	TONs

Selenium	7782492	0.	1.56E-07	1.56E-07	TONs
Toluene	108883	0.	4.42E-05	4.42E-05	TONs

- **Attachments**

Description	Type	Public Document	Trade Secret Document	Trade secret Justification
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- **Notes**

User Name	Date	Note
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Emission Units Without Detailed Emissions

Oct 11 2011, 13:32:36

Emission Unit	Why Excluded	Company Equipment ID
B001	Exemption Status = Permit Exempt	BUILDING 56 DOWTHERM VAPORIZER
B008	Less Than Reporting Requirement	BUILDING 52; EQ. NO. 8330 & 12354
B011	Less Than Reporting Requirement	BOILER EQ. NO. 9782 BLDG 41
B016	Less Than Reporting Requirement	DOWTHERM BOILERS B-21,B-23,B-26,B-28 & B-30
B020	Did Not Operate	BUILDING 39; EQ. NO. 4901 & 13169
B034	Less Than Reporting Requirement	
B035	Less Than Reporting Requirement	
B038	Less Than Reporting Requirement	
B039	Less Than Reporting Requirement	
B042	Less Than Reporting Requirement	
B043	Less Than Reporting Requirement	
B044	Less Than Reporting Requirement	
B045	Less Than Reporting Requirement	
B046	Exemption Status = Permit Exempt	Bldg 53 - Emergency Diesel Generator
F001	Exemption Status = Permit Exempt	Paved Roadways and Parking Areas
J001	Exemption Status = Permit Exempt	Refrigerant Lubricants Loading
J002	Less Than Reporting Requirement	BLDG. 52 LOADING FACILITY
J005	Exemption Status = Permit Exempt	Synlube Blends Loading Rack
J006	Less Than Reporting Requirement	

P001	Less Than Reporting Requirement	BLDG. 3, TANK U-1
P006	Did Not Operate	M-21, BLDG. 39 ESTERIFICATION PLANT I
P008	Less Than Reporting Requirement	BLDG.41 - MOLECULAR STILLS 1&2
P011	Less Than Reporting Requirement	BLDG. 52 HYDROGENATION AUTOCLAVE C-1
P014	Less Than Reporting Requirement	BLDG. 70 - REFINED GLYCERINE
P021	Less Than Reporting Requirement	CRUDE GLYCERINE
P023	Did Not Operate	M-30, BLDG. 39, ESTERIFICATION PLANT I
P038	Less Than Reporting Requirement	BLDG. 3, TANK U-2
P040	Less Than Reporting Requirement	BLDG. 3, TANK U-4
P041	Less Than Reporting Requirement	BLDG. 3, TANK U-12
P042	Less Than Reporting Requirement	BLDG. 3, TANK U-14
P043	Less Than Reporting Requirement	BLDG. 3, TANK U-15
P047	Less Than Reporting Requirement	BLDG. 3, TANK U-5
P049	Less Than Reporting Requirement	BLDG. 41, MOLECULAR STILL II
P050	Less Than Reporting Requirement	BLDG. 41, POT STILL
P052	Exemption Status = Permit Exempt	M-152 ESTERIFIER
P054	Exemption Status = Permit Exempt	APG(R) SURFACTANTS PRODUCTION
P056	Exemption Status = Permit Exempt	APG(R) SURFACTANTS CARBOHYDRATES UNLOADING
P060	Exemption Status = Permit Exempt	FATTY ALCOHOL UNIT 109
P062	Exemption Status = Permit Exempt	Fatty Alcohol Bulk Loading
P064	Less Than Reporting Requirement	ESTER STILL AND REFINING
P065	Exemption Status = Permit Exempt	Ester's Methanol Recovery Still
P066	Exemption Status = Permit Exempt	Fatty Alcohol Blend Tank 753-T23
P067	Exemption Status = Permit Exempt	Fatty Alcohol Blend Tank 753-T25
P068	Less Than Reporting Requirement	100 GALLON MULTIPURPOSE RESEARCH REACTOR
P069	Exemption Status = Permit Exempt	METHYL ESTER LOADING
P092	Less Than Reporting Requirement	RECLAIM ACIDULATION TANK
P095	Exemption Status = Permit Exempt	Fatty Alcohol Transload Facility
P098	Exemption Status = Permit Exempt	LUBRICANTS BLENDING AND DRYING
P100	Less Than Reporting Requirement	COOLING TOWER E-1, BUILDING 11
P101	Less Than Reporting Requirement	COOLING TOWER E-2, BUILDING 11

P102	Less Than Reporting Requirement	WASTEWATER TREATMENT
P107	Exemption Status = Permit Exempt	TECHNICAL CENTER
P108	Exemption Status = De minimis	Cooling Tower for M-152
P109	Exemption Status = De minimis	Bldg 106 Cooling Tower
P110	Exemption Status = De minimis	FOH Cooling Tower
P111	Exemption Status = De minimis	M-102 Cooling Tower
P112	Exemption Status = De minimis	Bldg 56 Barometric Cooling Tower
P113	Exemption Status = De minimis	APG Cooling Tower
P114	Exemption Status = De minimis	Bldg 96 - Abrasive Blaster
P115	Exemption Status = De minimis	Bldg 96 - Grinding/Sanding Station
P116	Exemption Status = De minimis	Bldg 96 - Grinding Station
P117	Exemption Status = De minimis	Bldg 96 - Parts Washer
P118	Exemption Status = De minimis	Maintenance Welding
P802	Less Than Reporting Requirement	
T005	Exemption Status = Permit Exempt	751T17 ETHANOL STORAGE TANK
T007	Less Than Reporting Requirement	Y340
T008	Less Than Reporting Requirement	751T09 METHANOL STORAGE TANK
T009	Less Than Reporting Requirement	751T10 METHANOL STORAGE TANK
T010	Exemption Status = Permit Exempt	751-T12 Hydrocarbon Storage Tank
T011	Exemption Status = Permit Exempt	751-T15 Sodium Methylate Storage Tank
T012	Exemption Status = Permit Exempt	753-T04 C18 Fatty Alcohol Storage Tank
T013	Exemption Status = Permit Exempt	753-T05 C16 Fatty Alcohol Storage Tank
T014	Exemption Status = Permit Exempt	753-T06 C12/C14 Fatty Alcohol Storage Tank
T015	Exemption Status = Permit Exempt	753-T07 C12/C14 Fatty Alcohol Storage Tank
T016	Exemption Status = Permit Exempt	753-T08 Misc. Fatty Alcohol Storage Tank
T017	Exemption Status = Permit Exempt	753-T11 C12 Fatty Alcohol Storage Tank
T018	Exemption Status = Permit Exempt	753-T12 C14 Fatty Alcohol Storage Tank
T022	Exemption Status = Permit Exempt	753-T19 C8 Fatty Alcohol Storage Tank
T023	Exemption Status = Permit Exempt	753-T20 C10 Fatty Alcohol Storage Tank
T024	Exemption Status = Permit Exempt	753-T22 C12/18 Methyl Ester Tank
T025	Exemption Status = Permit Exempt	753-T24 Glycerine Storage Tank

T026	Exemption Status = Permit Exempt	753-T03 Fatty Alcohol Residues Storage Tank
T027	Exemption Status = Permit Exempt	753-T18 C8/C18 Fatty Alcohol Storage Tank
T028	Exemption Status = Permit Exempt	Y-259 ESTER FUELS TANK
T030	Exemption Status = Permit Exempt	C12/C14 Alcohol Tank
T031	Exemption Status = Permit Exempt	Y-340 - Palm Kernel Oil Storage Tank
T032	Exemption Status = Permit Exempt	723-T05 APG Surfactants Product Storage Tank
T035	Exemption Status = Permit Exempt	Y-267 Refrigerant Lubes Tank
T036	Less Than Reporting Requirement	Y-46
T038	Less Than Reporting Requirement	Y-74
T039	Less Than Reporting Requirement	Y-85
T040	Less Than Reporting Requirement	Y-86
T041	Less Than Reporting Requirement	Y-87
T042	Less Than Reporting Requirement	Y-88
T043	Less Than Reporting Requirement	Y-89
T044	Less Than Reporting Requirement	Y-90
T045	Less Than Reporting Requirement	Y-91
T046	Less Than Reporting Requirement	Y-92
T047	Less Than Reporting Requirement	Y-93
T048	Less Than Reporting Requirement	Y-94
T049	Less Than Reporting Requirement	Y-95
T050	Less Than Reporting Requirement	Y-96
T051	Less Than Reporting Requirement	Y-97
T052	Less Than Reporting Requirement	Y-98
T053	Less Than Reporting Requirement	Y-99
T054	Less Than Reporting Requirement	Y-116
T055	Less Than Reporting Requirement	Y-117
T056	Less Than Reporting Requirement	Y-129
T057	Less Than Reporting Requirement	Y-155
T060	Less Than Reporting Requirement	Y-163
T062	Less Than Reporting Requirement	Y-190
T066	Exemption Status = Permit Exempt	752-T14 INTERMEDIATE STORAGE TANK

T067	Exemption Status = Permit Exempt	753-T27 Fatty Alcohol Storage Tank
T068	Exemption Status = Permit Exempt	753-T29 Fatty Alcohol Storage Tank
T070	Exemption Status = Permit Exempt	Synlube Blending Tank (TK-1)
T071	Exemption Status = Permit Exempt	Synlube Blending Tank (TK-3)
T072	Exemption Status = Permit Exempt	751-T02 AQ Methanol Tank
T073	Exemption Status = De minimis	Y-18 ALCOHOL TANK
T074	Exemption Status = De minimis	Y-28 ALCOHOL TANK
T075	Exemption Status = Permit Exempt	Y-210 ALCOHOL TANK
T076	Exemption Status = De minimis	Y-211 ALCOHOL TANK
T077	Exemption Status = Permit Exempt	Y-212 ALCOHOL TANK
T078	Exemption Status = De minimis	2-Ethylhexanol Underground Storage Tanks
T079	Exemption Status = De minimis	Dowtherm Storage Tank (M-102)
T080	Exemption Status = De minimis	Ester Storage Tanks
T081	Exemption Status = De minimis	Crude Ester Storage Tanks
T082	Exemption Status = Permit Exempt	Fatty Alcohol Residue Storage Tank(753-T31)
T083	Exemption Status = De minimis	Fatty Alcohol Storage Tanks
T084	Exemption Status = De minimis	Glycerin Storage Tanks
T085	Exemption Status = De minimis	Heptanoic Acid Storage Tank (Y-207)
T086	Exemption Status = De minimis	Fatty Acid Storage Tanks
T087	Exemption Status = De minimis	1210-0 Acid Storage Tank (Y-540)
T088	Exemption Status = De minimis	Propylene Glycol Storage (Y-19)
T089	Exemption Status = De minimis	THERMINOL RESERVOIR (M-174)
T090	Exemption Status = De minimis	Synlube Storage Tanks
T091	Exemption Status = Permit Exempt	CRUDE METHYL ESTER TANK (752-T02)
Z999	Less Than Reporting Requirement	Cognis 1993&1994

Report Pollutant Summary: Total Emissions (Tons)

Unit	SCC Id	PM-CON	SO2	NOX	OC	7439921	PM-FIL	PM10-FIL	PM25-FIL	VOC	NH3	CO
B013	3-01-900-03	0.066	0.008	1.25	0.077	0.	0.066	0.066	0.	0.077	0.	0.
P051	3-01-800-01	0.	0.	0.	1.97	0.	0.	0.	0.	1.97	0.	0.
P051	3-01-840-01	0.	0.	0.	2.22	0.	0.	0.	0.	2.22	0.	0.

P057	3-01-840-01	0.	0.	0.	1.66	0.	0.	0.	0.	1.66	0.	0.
P057	3-01-250-25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
P058	3-01-250-25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
P058	3-01-840-01	0.	0.005	0.898	1.803	0.	0.013	0.013	0.	1.803	0.	0.74
P059	3-01-840-01	0.	0.	0.	0.967	0.	0.	0.	0.	0.967	0.	0.
P059	3-01-250-01	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
P105	3-06-100-01	0.	0.	0.	13.2	0.	0.	0.	0.	13.2	0.	0.
P801	3-01-800-01	0.	0.	0.	4.63	0.	0.	0.	0.	4.63	0.	0.
Total		0.066	0.013	2.148	26.527	0.	0.079	0.079	0.	26.527	0.	0.74

Emission Unit Summary: B013

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Emissions Unit ID: B013

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	0.066	0.066	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	0.008	0.008	TONs	
NOx - Nitrogen Oxides	NOX	X	0	1.25	1.25	TONs	
Organic Compounds	OC	X	0	.077	0.077	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	.066	0.066	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	.066	0.066	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	0	0.	TONs	
VOC - Volatile Organic Compounds	VOC		0	.077	0.077	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					1.401	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.	1.17E-08	1.17E-08	TONs
Acenaphthylene	208968	0.	1.17E-08	1.17E-08	TONs
Acetaldehyde	75070	0.	2.75776E-04	2.75776E-04	TONs
Acrolein	107028	0.	2.3751E-04	2.3751E-04	TONs
Anthracene	120127	0.	1.56E-08	1.56E-08	TONs
Arsenic	7440382	0.	2.6E-06	2.6E-06	TONs

Benz[A]Anthracene	56553	0.	1.17E-08	1.17E-08	TONs
Benzene	71432	0.	2.73E-05	2.73E-05	TONs
Benzo[A]Pyrene	50328	0.	7.8E-09	7.8E-09	TONs
Benzo[B]Fluoranthene	205992	0.	1.17E-08	1.17E-08	TONs
Benzo[G,H,I,]Perylene	191242	0.	0.0273	0.0273	TONs
Benzo[K]Fluoranthene	207089	0.	1.17E-08	1.17E-08	TONs
Beryllium	7440417	0.	7.8E-08	7.8E-08	TONs
Cadmium	7440439	0.	1.43E-05	1.43E-05	TONs
Chromium	7440473	0.	1.82E-05	1.82E-05	TONs
Chrysene	218019	0.	1.17E-08	1.17E-08	TONs
Cobalt	7440484	0.	1.092E-06	1.092E-06	TONs
Dibenzo[A,H]Anthracene	53703	0.	7.8E-09	7.8E-09	TONs
Dimethylbenz[A]Anthracene, 7,12-	57976	0.	1.04E-07	1.04E-07	TONs
Fluoranthene	206440	0.	3.9E-08	3.9E-08	TONs
Fluorene	86737	0.	3.64E-08	3.64E-08	TONs
Formaldehyde	50000	0.	9.75E-04	9.75E-04	TONs
Hexane, N-	110543	0.	0.0234	0.0234	TONs
Indeno[1,2,3-C,D]Pyrene	193395	0.	1.17E-08	1.17E-08	TONs
MN - Manganese	7439965	0.	4.94E-06	4.94E-06	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0.	3.38E-06	3.38E-06	TONs
Methylcholanthrene, 3-	56495	0.	1.17E-08	1.17E-08	TONs
Methylnaphthalene, 2-	91576	0.	3.12E-07	3.12E-07	TONs
Naphthalene	91203	0.	7.93E-06	7.93E-06	TONs
Nickel	7440020	0.	2.73E-05	2.73E-05	TONs
Phenanthrene	85018	0.	2.21E-07	2.21E-07	TONs
Polycyclic Organic Matter	246	0.	8.56356E-06	8.56356E-06	TONs
Pyrene	129000	0.	6.5E-08	6.5E-08	TONs
Selenium	7782492	0.	1.56E-07	1.56E-07	TONs
Toluene	108883	0.	4.42E-05	4.42E-05	TONs

- **Processes**

- **Process & Emissions Detail**

Name: B013-5

Source Classification Code (SCC): 3-01-900-03

- **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: 6255

Winter (Dec - Feb)%: 26

Spring (March-May)%: 27

Summer (June-Aug)%: 28

Fall (Sept-Nov)%: 19

Material	Material Action	Throughput	X Units
Natural Gas	Burned	26	MILLION CUBIC FEET

Variable	Amount	Meaning
HCg	1015	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 Condensable Portion Only (All Less than 1 Micron)	PM-CON	emissions: ENG. JUDGEMENT			0	0.066	0.066	TONs	
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0.008	0.008	TONs	
NOx - Nitrogen Oxides	NOX	X emissions: ENG. JUDGEMENT			0	1.25	1.25	TONs	
Organic Compounds	OC	X emissions: ENG.			0	.077	0.077	TONs	

		JUDGEMENT							
Pb - Lead	7439921	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X emissions: ENG. JUDGEMENT			0	.066	0.066	TONs	Pollutant not found in this process
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10- FIL	emissions: ENG. JUDGEMENT			0	.066	0.066	TONs	Pollutant not found in this process
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25- FIL	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
VOC - Volatile Organic Compounds	VOC	emissions: ENG. JUDGEMENT			0	.077	0.077	TONs	
Ammonia	NH3	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
CO - Carbon Monoxide	CO	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
Total of Chargable Pollutants							1.401	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	factor:OEP A (auto calculate)	0	9E-07	0.	1.17E-08	1.17E-08	TONs	

Acenaphthylene	208968	factor:OEP A (auto calculate)	0	9E-07	0.	1.17E-08	1.17E-08	TONs	
Acetaldehyde	75070	factor:OEP A (auto calculate)	0	0.021213 5	0.	2.75776E-04	2.75776E-04	TONs	
Acrolein	107028	factor:OEP A (auto calculate)	0	0.01827	0.	2.3751E-04	2.3751E-04	TONs	
Anthracene	120127	factor:OEP A (auto calculate)	0	1.2E-06	0.	1.56E-08	1.56E-08	TONs	
Arsenic	7440382	factor:OEP A (auto calculate)	0	2E-04	0.	2.6E-06	2.6E-06	TONs	
Benz[A]Anthracene	56553	factor:OEP A (auto calculate)	0	9E-07	0.	1.17E-08	1.17E-08	TONs	
Benzene	71432	factor:OEP A (auto calculate)	0	0.0021	0.	2.73E-05	2.73E-05	TONs	
Benzo[A]Pyrene	50328	factor:OEP A (auto calculate)	0	6E-07	0.	7.8E-09	7.8E-09	TONs	
Benzo[B]Fluoranthene	205992	factor:OEP A (auto calculate)	0	9E-07	0.	1.17E-08	1.17E-08	TONs	
Benzo[G,H,I,]Perylene	191242	factor:OEP A (auto calculate)	0	2.1	0.	0.0273	0.0273	TONs	
Benzo[K]Fluoranthene	207089	factor:OEP A (auto calculate)	0	9E-07	0.	1.17E-08	1.17E-08	TONs	
Beryllium	7440417	factor:OEP A (auto calculate)	0	6E-06	0.	7.8E-08	7.8E-08	TONs	
Cadmium	7440439	factor:OEP A (auto calculate)	0	0.0011	0.	1.43E-05	1.43E-05	TONs	
Chromium	7440473	factor:OEP A (auto calculate)	0	0.0014	0.	1.82E-05	1.82E-05	TONs	

Chrysene	218019	factor:OEP A (auto calculate)	0	9E-07	0.	1.17E-08	1.17E-08	TONs	
Cobalt	7440484	factor:OEP A (auto calculate)	0	8.4E-05	0.	1.092E-06	1.092E-06	TONs	
Dibenzo[A,H]Ant hracene	53703	factor:OEP A (auto calculate)	0	6E-07	0.	7.8E-09	7.8E-09	TONs	
Dimethylbenz[A] Anthracene, 7,12-	57976	factor:OEP A (auto calculate)	0	8E-06	0.	1.04E-07	1.04E-07	TONs	
Fluoranthene	206440	factor:OEP A (auto calculate)	0	3E-06	0.	3.9E-08	3.9E-08	TONs	
Fluorene	86737	factor:OEP A (auto calculate)	0	2.8E-06	0.	3.64E-08	3.64E-08	TONs	
Formaldehyde	50000	factor:OEP A (auto calculate)	0	0.075	0.	9.75E-04	9.75E-04	TONs	
Hexane, N-	110543	factor:OEP A (auto calculate)	0	1.8	0.	0.0234	0.0234	TONs	
Indeno[1,2,3- C,D]Pyrene	193395	factor:OEP A (auto calculate)	0	9E-07	0.	1.17E-08	1.17E-08	TONs	
MN - Manganese	7439965	factor:OEP A (auto calculate)	0	3.8E-04	0.	4.94E-06	4.94E-06	TONs	
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	factor:OEP A (auto calculate)	0	2.6E-04	0.	3.38E-06	3.38E-06	TONs	
Methylcholanthr ene, 3-	56495	factor:OEP A (auto calculate)	0	9E-07	0.	1.17E-08	1.17E-08	TONs	
Methylnaphthale ne, 2-	91576	factor:OEP A (auto calculate)	0	2.4E-05	0.	3.12E-07	3.12E-07	TONs	
Naphthalene	91203	factor:OEP A (auto calculate)	0	6.1E-04	0.	7.93E-06	7.93E-06	TONs	

		A (auto calculate)							
Nickel	7440020	factor:OEP A (auto calculate)	0	0.0021	0.	2.73E-05	2.73E-05	TONs	
Phenanthrene	85018	factor:OEP A (auto calculate)	0	1.7E-05	0.	2.21E-07	2.21E-07	TONs	
Polycyclic Organic Matter	246	factor:OEP A (auto calculate)	0	6.58735E-04	0.	8.56356E-06	8.56356E-06	TONs	
Pyrene	129000	factor:OEP A (auto calculate)	0	5E-06	0.	6.5E-08	6.5E-08	TONs	
Selenium	7782492	factor:OEP A (auto calculate)	0	1.2E-05	0.	1.56E-07	1.56E-07	TONs	
Toluene	108883	factor:OEP A (auto calculate)	0	0.0034	0.	4.42E-05	4.42E-05	TONs	

Emission Unit Summary: P051

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Emissions Unit ID: P051

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.	4.19	4.19	TONs	
Pb - Lead	7439921	X	0.	0.	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.	0.	0.	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.	0.	0.	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.	0.	0.	TONs	
VOC - Volatile Organic Compounds	VOC		0.	4.19	4.19	TONs	
Ammonia	NH3		0.	0.	0.	TONs	
CO - Carbon Monoxide	CO		0.	0.	0.	TONs	
Total of Chargable Pollutants					4.19	TONS	

- Processes

- Process & Emissions Detail

Name: P051-50

Source Classification Code (SCC): 3-01-800-01

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 5

Weeks Per Year: 52

Hours Per Year: 6019

Winter (Dec - Feb)%: 16

Spring (March-May)%: 32

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 27

Material	Material Action	Throughput	X Units
Process Unit	Operating	8427	EACH-YEAR

- 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	Pollutant not found in this process
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0	0.	TONS	Pollutant not found in this process
NOx - Nitrogen Oxides	NOX	X emissions: ENG. JUDGEMENT			0	0	0.	TONS	Pollutant not found in this process
Organic Compounds	OC	X emissions: ENG. JUDGEMENT			0	1.97	1.97	TONS	Pollutant not found in this process
Pb - Lead	7439921	X emissions: ENG. JUDGEMENT			0	0	0.	TONS	Pollutant not found in this process
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X emissions: ENG. JUDGEMENT			0	0	0.	TONS	Pollutant not found in this process
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			0	0	0.	TONS	Pollutant not found in this process
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	emissions: ENG. JUDGEMENT			0	0	0.	TONS	Pollutant not found in this process
VOC - Volatile Organic Compounds	VOC	emissions: ENG. JUDGEMENT			0	1.97	1.97	TONS	Pollutant not found in this process

Ammonia	NH3	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
CO - Carbon Monoxide	CO	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
Total of Chargable Pollutants							1.97	TONS	

- **Process & Emissions Detail**

Name: P051-53-TEMP

Source Classification Code (SCC): 3-01-840-01

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

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 5

Weeks Per Year: 52

Hours Per Year: 6255

Winter (Dec - Feb)%: 29

Spring (March-May)%: 20

Summer (June-Aug)%: 36

Fall (Sept-Nov)%: 15

Material	Material Action	Throughput	X Units
Product	Produced	8427	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	Pollutant not found in this process
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process

NOx - Nitrogen Oxides	NOX	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT			0	2.22	2.22	TONs	
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT			0	2.22	2.22	TONs	
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
Total of Chargable Pollutants								2.22	TONS	

Emission Unit Summary: P057

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Emissions Unit ID: P057

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.	1.66	1.66	TONs	
Pb - Lead	7439921	X	0.	0.	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.	0.	0.	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.	0.	0.	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.	0.	0.	TONs	
VOC - Volatile Organic Compounds	VOC		0.	1.66	1.66	TONs	
Ammonia	NH3		0.	0.	0.	TONs	
CO - Carbon Monoxide	CO		0.	0.	0.	TONs	
Total of Chargable Pollutants					1.66	TONS	

- Processes

- Process & Emissions Detail

Name: P057-58

Source Classification Code (SCC): 3-01-840-01

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 5

Weeks Per Year: 42

Hours Per Year: 6979

Winter (Dec - Feb)%: 26

Spring (March-May)%: 25

Summer (June-Aug)%: 24

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Product	Produced	65768	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	Pollutant not found in this process
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
NOx - Nitrogen Oxides	NOX	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
Organic Compounds	OC	X emissions: ENG. JUDGEMENT			0	1.66	1.66	TONs	.476 lb/hr
Pb - Lead	7439921	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
VOC - Volatile Organic Compounds	VOC	emissions: ENG. JUDGEMENT			0	1.66	1.66	TONs	.476 lb/hr

Ammonia	NH3	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
CO - Carbon Monoxide	CO	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
Total of Chargable Pollutants							1.66	TONS	

- **Process & Emissions Detail**

Name: P057-60-TEMP

Source Classification Code (SCC): 3-01-250-25

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

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 5

Weeks Per Year: 42

Hours Per Year: 6979

Winter (Dec - Feb)%: 26

Spring (March-May)%: 25

Summer (June-Aug)%: 24

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Material	Produced	65768	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	Pollutant not found in this process
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process

NOx - Nitrogen Oxides	NOX	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
Total of Chargable Pollutants								0.	TONS	

Emission Unit Summary: P058

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Emissions Unit ID: P058

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.	0.005	0.005	TONs	
NOx - Nitrogen Oxides	NOX	X	0.	0.898	0.898	TONs	
Organic Compounds	OC	X	0.	1.803	1.803	TONs	
Pb - Lead	7439921	X	0.	0.	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.	0.013	0.013	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.	0.013	0.013	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.	0.	0.	TONs	
VOC - Volatile Organic Compounds	VOC		0.	1.803	1.803	TONs	
Ammonia	NH3		0.	0.	0.	TONs	
CO - Carbon Monoxide	CO		0.	0.74	0.74	TONs	
Total of Chargable Pollutants					2.719	TONS	

- Processes

- Process & Emissions Detail

Name: P058-62-TEMP

Source Classification Code (SCC): 3-01-250-25

- 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: 7759

Winter (Dec - Feb)%: 26

Spring (March-May)%: 25

Summer (June-Aug)%: 23

Fall (Sept-Nov)%: 26

Material	Material Action	Throughput	X Units
Material	Produced	51028	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	Pollutant not found in this process
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
NOx - Nitrogen Oxides	NOX	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
Organic Compounds	OC	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
Pb - Lead	7439921	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			0	.0	0.	TONs	Pollutant not found in this process
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
VOC - Volatile Organic Compounds	VOC	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process

Ammonia	NH3	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
CO - Carbon Monoxide	CO	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
Total of Chargable Pollutants							0.	TONS	

- **Process & Emissions Detail**

Name: P058-61

Source Classification Code (SCC): 3-01-840-01

- **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: 7759

Winter (Dec - Feb)%: 26

Spring (March-May)%: 25

Summer (June-Aug)%: 23

Fall (Sept-Nov)%: 26

Material	Material Action	Throughput	X Units
Product	Produced	51028	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	Pollutant not found in this process
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	.005	0.005	TONs	.6 lb/mmcf

NOx - Nitrogen Oxides	NOX	X	emissions: ENG. JUDGEMENT		0	.898	0.898	TONs	100 lb/mmcf
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT		0	1.803	1.803	TONs	.465 lb/hr
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT		0	0	0.	TONs	Pollutant not found in this process
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: ENG. JUDGEMENT		0	.013	0.013	TONs	1.5 lb/mmcf
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: ENG. JUDGEMENT		0	.013	0.013	TONs	1.5 lb/mmcf
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: ENG. JUDGEMENT		0	0	0.	TONs	Pollutant not found in this process
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT		0	1.803	1.803	TONs	.465 lb/hr
Ammonia	NH3		emissions: ENG. JUDGEMENT		0	0	0.	TONs	Pollutant not found in this process
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT		0	.74	0.74	TONs	AP 42 84(17.69 MMCF)=1485.96/2000=.74 tons
Total of Chargable Pollutants							2.719	TONS	

Emission Unit Summary: P059

Oct 11 2011, 13:32:36

Emissions Unit ID: P059

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.	0.967	0.967	TONs	
Pb - Lead	7439921	X	0.	0.	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.	0.	0.	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.	0.	0.	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.	0.	0.	TONs	
VOC - Volatile Organic Compounds	VOC		0.	0.967	0.967	TONs	
Ammonia	NH3		0.	0.	0.	TONs	
CO - Carbon Monoxide	CO		0.	0.	0.	TONs	
Total of Chargable Pollutants					0.967	TONS	

- Processes

- Process & Emissions Detail

Name: P059-63

Source Classification Code (SCC): 3-01-840-01

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 41

Hours Per Year: 6979

Winter (Dec - Feb)%: 25

Spring (March-May)%: 26

Summer (June-Aug)%: 22

Fall (Sept-Nov)%: 27

Material	Material Action	Throughput	X Units
Product	Produced	47609	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	Pollutant not found in this process
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
NOx - Nitrogen Oxides	NOX	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
Organic Compounds	OC	X emissions: ENG. JUDGEMENT			0	.967	0.967	TONs	.277 lb/hr
Pb - Lead	7439921	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
VOC - Volatile Organic Compounds	VOC	emissions: ENG. JUDGEMENT			0	.967	0.967	TONs	.277 lb/hr

Ammonia	NH3	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
CO - Carbon Monoxide	CO	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
Total of Chargable Pollutants							0.967	TONS	

- **Process & Emissions Detail**

Name: P059-64-TEMP

Source Classification Code (SCC): 3-01-250-01

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

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 41

Hours Per Year: 6979

Winter (Dec - Feb)%: 25

Spring (March-May)%: 26

Summer (June-Aug)%: 22

Fall (Sept-Nov)%: 27

Material	Material Action	Throughput	X Units
Material	Produced	47609	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	Pollutant not found in this process
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process

NOx - Nitrogen Oxides	NOX	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
Total of Chargable Pollutants								0.	TONS	

Emission Unit Summary: P105

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Emissions Unit ID: P105

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	13.2	13.2	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	0	0.	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	0	0.	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	0	0.	TONs	
VOC - Volatile Organic Compounds	VOC		0	13.2	13.2	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					13.2	TONS	

- Processes

- Process & Emissions Detail

Name: P105-71-TEMP

Source Classification Code (SCC): 3-06-100-01

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 16

Days Per Week: 5

Weeks Per Year: 52

Hours Per Year: 4160

Winter (Dec - Feb)%: 23

Spring (March-May)%: 25

Summer (June-Aug)%: 27

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Lube Oil	Processed	905	1000 BARRELS

- **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	Pollutant not found in this process
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
NOx - Nitrogen Oxides	NOX	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
Organic Compounds	OC	X emissions: ENG. JUDGEMENT			0	13.2	13.2	TONs	
Pb - Lead	7439921	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
VOC - Volatile Organic Compounds	VOC	emissions: ENG. JUDGEMENT			0	13.2	13.2	TONs	

Ammonia	NH3	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
CO - Carbon Monoxide	CO	emissions: ENG. JUDGEMENT			0	0	0.	TONs	Pollutant not found in this process
Total of Chargable Pollutants							13.2	TONS	

Emission Unit Summary: P801

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Emissions Unit ID: P801

Forced 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	4.63	0	4.63	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	0	0.	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	0	0.	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	0	0.	TONs	
VOC - Volatile Organic Compounds	VOC		4.63	0	4.63	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					4.63	TONS	

- Processes

- Process & Emissions Detail

Name: P801-72

Source Classification Code (SCC): 3-01-800-01

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 42

Hours Per Year: 8568

Winter (Dec - Feb)%: 26

Spring (March-May)%: 25

Summer (June-Aug)%: 23

Fall (Sept-Nov)%: 26

Material	Material Action	Throughput	X Units
Process Unit	Operating	51028	EACH-YEAR

- 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			4.63	0	4.63	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	0	0.	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
VOC - Volatile Organic Compounds	VOC	emissions: ENG. JUDGEMENT			4.63	0	4.63	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							4.63	TONS	