TV FER/EIS Emissions Report (201594) for 2010
Ford Motor Company
1431140861
April 13, 2011

2010 Emissions Summary Report : 201594

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- Report Data

Report Category: TV

Submitted Date: 04/13/2011

Approved Date 04/14/2011

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		0.290415	0.843591	1.13401	TONs
SO2 - Sulfur Dioxide	SO2	X	0.0673941	0.0887991	0.156193	TONs
NOx - Nitrogen Oxides	NOX	X	15.3704	18.7394	34.1097	TONs
Organic Compounds	OC	X	45.1856	27.088	72.2735	TONs
Pb - Lead	7439921	X	5.61618E-05	7.39993E-05	1.30161E-04	TONs
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	10.7609	2.4012	13.1621	TONs
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		10.7609	2.4012	13.1621	TONs
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		10.7609	2.4012	13.1621	TONs
VOC - Volatile Organic Compounds	VOC		44.4179	26.274	70.6919	TONs
Ammonia	NH3		0.	0.473595	0.473595	TONs
CO - Carbon Monoxide	CO		5.86727	12.4319	18.2991	TONs
Total of Chargable Pollutants					119.702	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	1.01091E-07	1.33199E-07	2.3429E-07	TONs
Acenaphthylene	208968	1.01091E-07	1.33199E-07	2.3429E-07	TONs

Acetaldehyde	75070	0.00234829	0.00309317	0.00544146	TONs
Acrolein	107028	0.00202182	0.00266397	0.00468579	TONs
Anthracene	120127	1.34788E-07	1.77598E-07	3.12386E-07	TONs
Arsenic	7440382	2.76965E-05	2.95997E-05	5.72962E-05	TONs
Benz[A]Anthracene	56553	8.8828E-07	1.33199E-07	1.02148E-06	TONs
Benzene	71432	2.63117E-04	3.10797E-04	5.73914E-04	TONs
Benzo[A]Pyrene	50328	2.48952E-06	8.87991E-08	2.57832E-06	TONs
Benzo[B]Fluoranthene	205992	1.01091E-07	1.33199E-07	2.3429E-07	TONs
Benzo[G,H,I,]Perylene	191242	0.235879	8.87991E-08	0.235879	TONs
Benzo[K]Fluoranthene	207089	1.01091E-07	1.33199E-07	2.3429E-07	TONs
Beryllium	7440417	6.73941E-07	8.87991E-07	1.56193E-06	TONs
Cadmium	7440439	1.30919E-04	1.62798E-04	2.93717E-04	TONs
Chlorobenzene	108907	5.13055E-07	0.	5.13055E-07	TONs
Chloroform	67663	1.67896E-07	0.	1.67896E-07	TONs
Chromium	7440473	1.86161E-04	2.07198E-04	3.93359E-04	TONs
Chromium (VI)	18540299	4.03284E-08	0.	4.03284E-08	TONs
Chrysene	218019	8.8828E-07	1.33199E-07	1.02148E-06	TONs
Cobalt	7440484	9.43517E-06	1.24319E-05	2.1867E-05	TONs
Dibenzo[A,H]Anthracene	53703	6.73941E-08	8.87991E-08	1.56193E-07	TONs
Dimethylbenz[A]Anthracene, 7,12-	57976	8.98588E-07	1.18399E-06	2.08258E-06	TONs
Ethylene Dichloride (Dichloroethane, 1,2-)	107062	8.43084E-07	0.	8.43084E-07	TONs
Fluoranthene	206440	1.80236E-06	4.43996E-07	2.24636E-06	TONs
Fluorene	86737	3.14506E-07	4.14396E-07	7.28902E-07	TONs
Formaldehyde	50000	0.00843464	0.0110999	0.0195345	TONs
Hexane, N-	110543	0.202182	0.266397	0.468579	TONs
Indeno[1,2,3-C,D]Pyrene	193395	1.01091E-07	1.33199E-07	2.3429E-07	TONs
MN - Manganese	7439965	3.29705E-04	5.62395E-05	3.85944E-04	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	3.25103E-05	3.84796E-05	7.099E-05	TONs
Methyl Chloroform (1,1,1-Trichloroethane)	71556	1.64705E-05	0.	1.64705E-05	TONs
Methylcholanthrene, 3-	56495	1.01091E-07	1.33199E-07	2.3429E-07	TONs
Methylnaphthalene, 2-	91576	2.69576E-06	3.55196E-06	6.24772E-06	TONs

Naphthalene	91203	6.93676E-05	9.02791E-05	1.59647E-04	TONs
Nickel	7440020	3.32885E-04	3.10797E-04	6.43682E-04	TONs
Phenanthrene	85018	1.9095E-06	2.51598E-06	4.42548E-06	TONs
Polycyclic Organic Matter	246	7.2898E-05	9.60511E-05	1.68949E-04	TONs
Pyrene	129000	5.61618E-07	7.39993E-07	1.30161E-06	TONs
Selenium	7782492	1.34788E-06	1.77598E-06	3.12386E-06	TONs
Tetrachloroethylene (Perchloroethylene)	127184	3.80274E-04	0.	3.80274E-04	TONs
Toluene	108883	4.6765E-04	5.03194E-04	9.70844E-04	TONs
Trichloroethylene	79016	8.28673E-06	0.	8.28673E-06	TONs
Xylene, O-	95476	4.78469E-06	0.	4.78469E-06	TONs
Xylenes (Isomers and Mixture)	1330207	1.18176E-05	0.	1.18176E-05	TONs

- **Attachments**

Description	Type	Public Document	Trade Seceret Document	Trade secret Justification
Emissions Report Supporting Calculations	Calculations	X		

- **Notes**

User Name	Date	Note

Emission Units Without Detailed Emissions

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Emission Unit	Why Excluded	Company Equipment ID
TMP164070	Exemption Status = De minimis	Carburization Furnace #8
B001	Did Not Operate	Boiler #1
B007	Did Not Operate	Gas Fired Furnaces (2)
B009	Did Not Operate	Gas Fired Furnace
B010	Did Not Operate	Gas Fired Furnace
B011	Did Not Operate	Batch Furnaces (6)
B020	Did Not Operate	Emergency Diesel Engine Fire Pumps
B021	Did Not Operate	Emergency Diesel Engine Generator
B022	Did Not Operate	Pusher Furnace #10

B025	Less Than Reporting Requirement	Roof Heater
B026	Less Than Reporting Requirement	Roof Heater
B027	Less Than Reporting Requirement	Roof Heater
F002	Less Than Reporting Requirement	Facility Roadways and Parking Lots
G001	Less Than Reporting Requirement	Fuel Dispensing
K001	Less Than Reporting Requirement	Maintenance Paint Booth
K002	Less Than Reporting Requirement	Rust Inhibitor System
K003	Less Than Reporting Requirement	Rust Inhibitor System
P008	Did Not Operate	Metal Finishing Machines
P009	Did Not Operate	Welding and Burning Equipment
P010	Did Not Operate	Wood Working Machinery
P014	Did Not Operate	Submerged Welders
P015	Did Not Operate	Arc Welders
P018	Did Not Operate	Spot Welders
P019	Did Not Operate	Boring Machines
P022	Did Not Operate	Seam Welders
P023	Did Not Operate	Arc Welders
P029	Did Not Operate	Arc Welder
P030	Less Than Reporting Requirement	Shotblast Machines
P043	Did Not Operate	Shotblast Machines (Same as P171)
P044	Did Not Operate	Gas Fired Furnace
P045	Did Not Operate	Gas Fired Furnace
P048	Did Not Operate	Band Welders
P049	Did Not Operate	Band Welders
P051	Did Not Operate	Boring Machines
P053	Did Not Operate	Lamb Transfer Line
P054	Did Not Operate	Kingsbury Transfer Line
P055	Did Not Operate	Drilling Equipment
P056	Did Not Operate	Drilling Equipment
P057	Did Not Operate	Boring Equipment
P058	Did Not Operate	Boring Equipment

P060	Did Not Operate	Broaching Equipment
P061	Did Not Operate	Hot Test Equipment
P062	Did Not Operate	Grinding Equipment
P063	Did Not Operate	Boring Equipment
P064	Did Not Operate	Shotblast Equipment
P065	Did Not Operate	Shotblast Equipment
P066	Did Not Operate	Grinding Equipment
P067	Did Not Operate	Machining Equipment
P068	Did Not Operate	Boring Equipment
P069	Did Not Operate	Machining Equipment
P070	Did Not Operate	Machining Equipment
P071	Did Not Operate	Machining Equipment
P072	Did Not Operate	Machining Equipment
P073	Did Not Operate	Machining Equipment
P074	Did Not Operate	Machining Equipment
P076	Did Not Operate	Machining Equipment
P077	Did Not Operate	Machining Equipment
P078	Did Not Operate	Milling Equipment
P079	Did Not Operate	Transfer Machine
P080	Did Not Operate	Transfer Machine
P081	Did Not Operate	Shapers, Grinders, Hobbers
P082	Did Not Operate	Shaping Equipment
P083	Did Not Operate	Broaching Equipment
P085	Did Not Operate	Hardener and Water Quench
P088	Did Not Operate	Grinding Equipment
P090	Did Not Operate	Lathe Equipment
P091	Did Not Operate	Boring Equipment
P092	Did Not Operate	Welding Equipment
P093	Did Not Operate	Grinding Equipment
P094	Did Not Operate	Boring Equipment
P095	Did Not Operate	Broach Equipment

P096	Did Not Operate	Shotblast Equipment
P097	Did Not Operate	Grinding and Shaping Equipment
P098	Did Not Operate	Boring and Drilling Machines
P099	Exemption Status = De minimis	Welding Equipment
P100	Exemption Status = De minimis	Boring Equipment
P101	Exemption Status = De minimis	Boring Equipment
P102	Did Not Operate	Welding Equipment
P103	Exemption Status = De minimis	Welding Equipment
P104	Did Not Operate	Welding Equipment
P105	Did Not Operate	Machining Equipment
P106	Exemption Status = De minimis	Boring Equipment
P107	Exemption Status = De minimis	Welding Equipment
P108	Did Not Operate	Grinding Equipment
P109	Did Not Operate	Grinding Equipment
P110	Did Not Operate	Grinding Equipment
P111	Did Not Operate	Welding Equipment
P112	Did Not Operate	Welding Equipment
P113	Did Not Operate	Boring Equipment
P114	Did Not Operate	Pusher Furnace
P115	Did Not Operate	Welding Equipment
P116	Did Not Operate	Lathe Equipment
P117	Did Not Operate	Phosphate Coating and Derusting Equipment
P118	Exemption Status = De minimis	Phosphate Coating and Derusting Equipment
P120	Did Not Operate	Grinding Equipment
P121	Did Not Operate	Shotblast Equipment
P122	Did Not Operate	Boring Equipment
P123	Exemption Status = De minimis	Boring Equipment
P124	Did Not Operate	Transfer Machine
P125	Did Not Operate	Transfer Machine
P126	Did Not Operate	Grinding Equipment
P127	Did Not Operate	Shotblast Equipment

P128	Did Not Operate	Shotblast and Grinding Equipment
P129	Did Not Operate	Grinding Equipment
P130	Did Not Operate	Shotblast and Grinding Equipment
P131	Did Not Operate	Grinding Equipment
P132	Did Not Operate	Boring Equipment
P133	Did Not Operate	Centrifuge
P134	Did Not Operate	Boring Equipment
P135	Did Not Operate	Drilling Equipment
P136	Did Not Operate	Boring Equipment
P137	Did Not Operate	Testing Equipment
P138	Did Not Operate	Shotblast Equipment
P139	Did Not Operate	Grinding Equipment
P140	Did Not Operate	Mill Equipment
P141	Did Not Operate	Mill Equipment
P142	Exemption Status = De minimis	Boring Equipment
P143	Exemption Status = De minimis	Boring Equipment
P144	Did Not Operate	Boring Equipment
P145	Did Not Operate	Boring Equipment
P146	Did Not Operate	Machining Equipment
P147	Did Not Operate	Machining Equipment
P148	Did Not Operate	Boring Equipment
P149	Did Not Operate	Boring Equipment
P150	Did Not Operate	Boring Equipment
P151	Did Not Operate	Boring Equipment
P152	Did Not Operate	Boring Equipment
P153	Did Not Operate	Drilling Equipment
P154	Did Not Operate	Boring Equipment
P155	Did Not Operate	Boring Equipment
P156	Did Not Operate	Mill Equipment
P158	Did Not Operate	Boring Equipment
P159	Did Not Operate	Grinding Equipment

P160	Did Not Operate	Grinding Equipment
P161	Did Not Operate	Grinding Equipment
P162	Did Not Operate	Boring Equipment
P163	Did Not Operate	Welding Equipment
P164	Did Not Operate	Grinding Equipment
P165	Did Not Operate	Mill Equipment
P166	Did Not Operate	Grinding Equipment
P167	Less Than Reporting Requirement	Pallet Chipper
P168	Did Not Operate	Welding Equipment
P169	Did Not Operate	Boring Equipment
P170	Did Not Operate	Boring Equipment
P171	Did Not Operate	Shotblast Equipment (Same as P043)
P172	Did Not Operate	Transfer (OP-40) and Gear Machines
P173	Exemption Status = De minimis	Gear Machine
P175	Exemption Status = De minimis	Boring Equipment
P176	Less Than Reporting Requirement	Carburization Furnace #1
P177	Less Than Reporting Requirement	Carburization Furnace #2
P178	Less Than Reporting Requirement	Carburization Furnace #3
P179	Less Than Reporting Requirement	Carburization Furnace #4
P180	Less Than Reporting Requirement	Carburization Furnace #5
P181	Less Than Reporting Requirement	Carburization Furnace #6
P182	Less Than Reporting Requirement	Carburization Furnace #7
P188	Exemption Status = De minimis	200274
P189	Exemption Status = De minimis	Hobs
P190	Exemption Status = De minimis	Hobs
P191	Less Than Reporting Requirement	APCD 200271
P192	Less Than Reporting Requirement	APCD 200270
P194	Exemption Status = De minimis	Broaching Machines
P195	Exemption Status = De minimis	Boring Equipment
P198	Did Not Operate	APCD 200237
P199	Less Than Reporting Requirement	Hobs

P201	Did Not Operate	Kohler 125RZG; 125 KW Emergency Electrical Generator
P202	Did Not Operate	Kohler 125RZG; 125 KW Emergency Electrical Generator
P203	Did Not Operate	Kohler 125RZG; 125 KW Emergency Electrical Generator
P204	Did Not Operate	Kohler 125RZG: 125 KW Emergency Electrical Generator
P205	Did Not Operate	Ford 172DF-6006-G; 50 hp Diesel Engine
P206	Exemption Status = Permit Exempt	Caterpillar 3406; 276 hp Diesel Engine
P207	Exemption Status = Permit Exempt	Caterpillar 3209; 235 hp Diesel Engine
P208	Exemption Status = Permit Exempt	Caterpillar 3412; 554 kw Diesel Engine
P211	Exemption Status = De minimis	Rx Generators -
P213	Exemption Status = De minimis	Oil-Water Separator
P214	Exemption Status = De minimis	Laboratory Fume Hoods
P215	Exemption Status = De minimis	Tanks
P216	Exemption Status = De minimis	Blanker Presses and Heavy Presses
P217	Exemption Status = De minimis	Maintenance Vehicle Fuel Filling
P218	Exemption Status = De minimis	Maint. Parts Cleaners
P220	Exemption Status = De minimis	Welding Machines
P221	Exemption Status = De minimis	Carpenter Shop Machines
P222	Exemption Status = De minimis	Assembly Testing Stands And Hot Oil Systems
P224	Exemption Status = De minimis	Maintenance Paint Operations
P225	Did Not Operate	Machining Operations PTI Exempt Straight Oil
P226	Did Not Operate	Machining Operations PTI Exempt Water Soluble
P227	Did Not Operate	Machining Operations PTI Exempt Dry
P230	Less Than Reporting Requirement	Machining Operations De Minimis Dry
T001	Exemption Status = De minimis	Storage Tank
T002	Exemption Status = De minimis	Storage Tank
T003	Exemption Status = Permit Exempt	Storage Tank
T004	Exemption Status = Permit Exempt	Storage Tank
T005	Exemption Status = Permit Exempt	Storage Tank
T006	Exemption Status = Permit Exempt	Storage Tank
T007	Exemption Status = Permit Exempt	Storage Tank
T008	Exemption Status = Permit Exempt	Storage Tank

T009	Exemption Status = Permit Exempt	Storage Tank
T010	Exemption Status = Permit Exempt	Storage Tank
T011	Exemption Status = Permit Exempt	Storage Tank
T016	Exemption Status = De minimis	Storage Tank
T017	Exemption Status = De minimis	Storage Tank
T018	Exemption Status = De minimis	Storage Tank
Z007	Less Than Reporting Requirement	Wastewater Treatment Tanks
Z011	Did Not Operate	Not An Existing Emissions Units
Z013	Did Not Operate	Boring Machines
Z014	Did Not Operate	Grinding Machines
Z016	Did Not Operate	Drilling Machines
Z017	Did Not Operate	Shaping Machines
Z018	Did Not Operate	Hobbing Machines
Z019	Did Not Operate	Transfer Lines
Z021	Did Not Operate	Honing Machines
Z022	Did Not Operate	Broaching Machines
Z024	Did Not Operate	Filtration Systems Hot Oil System
Z026	Did Not Operate	Not An Existing Emissions Unit
Z027	Did Not Operate	Not An Existing Emissions Unit
Z028	Did Not Operate	Not An Existing Emissions Unit
Z029	Did Not Operate	Not An Existing Emissions Unit
Z030	Did Not Operate	Not An Existing Emissions Unit
Z031	Did Not Operate	Pfauter Hobs
Z032	Did Not Operate	Kingsbury Transfer
Z033	Did Not Operate	Not An Existing Emissions Unit
Z034	Did Not Operate	Q-Source Transfer
Z035	Did Not Operate	Kingsbury Transfer
Z036	Did Not Operate	GROB Transfers
Z037	Did Not Operate	GROB Transfers
Z038	Did Not Operate	Lamb Transfer
Z039	Did Not Operate	Lamb Transfer

Z040	Did Not Operate	Lamb Transfer
Z041	Did Not Operate	Lamb Transfer
Z042	Did Not Operate	Not An Existing Emissions Unit
Z043	Did Not Operate	Not An Existing Emissions Unit
Z044	Did Not Operate	Not An Existing Emissions Unit
Z045	Did Not Operate	Grinders
Z046	Did Not Operate	Cut-Off Saw
Z047	Did Not Operate	Hone
Z048	Did Not Operate	Broach
Z056	Did Not Operate	Not An Existing Emissions Unit
Z057	Did Not Operate	Not An Existing Emissions Unit
Z058	Did Not Operate	Not An Existing Emissions Unit
Z059	Did Not Operate	Not An Existing Emissions Unit
Z060	Did Not Operate	Not An Existing Emissions Unit
Z061	Did Not Operate	Not An Existing Emissions Unit
Z062	Did Not Operate	Not An Existing Emissions Unit
Z063	Did Not Operate	Not An Existing Emissions Unit
Z064	Did Not Operate	Not An Existing Emissions Unit
Z065	Did Not Operate	Not An Existing Emissions Unit
Z066	Did Not Operate	Not An Existing Emissions Unit
Z067	Did Not Operate	Not An Existing Emissions Unit
Z068	Did Not Operate	Not An Existing Emissions Unit
Z069	Did Not Operate	Not An Existing Emissions Unit
Z070	Did Not Operate	Not An Existing Emissions Unit
Z071	Did Not Operate	Not An Existing Emissions Unit
Z072	Did Not Operate	Not An Existing Emissions Unit
Z073	Did Not Operate	Not An Existing Emissions Unit
Z074	Did Not Operate	Not An Existing Emissions Unit
Z075	Did Not Operate	Not An Existing Emissions Unit
Z076	Did Not Operate	Not An Existing Emissions Unit
Z077	Did Not Operate	Not An Existing Emissions Unit

Z078	Did Not Operate	Not An Existing Emissions Unit
Z079	Did Not Operate	Not An Existing Emissions Unit
Z080	Did Not Operate	Not An Existing Emissions Unit
Z081	Did Not Operate	Not An Existing Emissions Unit
Z082	Did Not Operate	Not An Existing Emissions Unit
Z083	Did Not Operate	Not An Existing Emissions Unit
Z084	Did Not Operate	Not An Existing Emissions Unit
Z085	Did Not Operate	Not An Existing Emissions Unit
Z086	Did Not Operate	Not An Existing Emissions Unit
Z087	Did Not Operate	Not An Existing Emissions Unit
Z088	Did Not Operate	Not An Existing Emissions Unit
Z089	Did Not Operate	Not An Existing Emissions Unit
Z090	Did Not Operate	Not An Existing Emissions Unit
Z091	Did Not Operate	Not An Existing Emissions Unit
Z092	Did Not Operate	Not An Existing Emissions Unit
Z093	Did Not Operate	Not An Existing Emissions Unit
Z094	Did Not Operate	Not An Existing Emissions Unit
Z095	Did Not Operate	Not An Existing Emissions Unit
Z096	Did Not Operate	Not An Existing Emissions Unit
Z097	Did Not Operate	Not An Existing Emissions Unit
Z098	Did Not Operate	Not An Existing Emissions Unit
Z099	Did Not Operate	Entry error
Z100	Did Not Operate	Entry error
Z101	Did Not Operate	Entry error
Z102	Did Not Operate	Entry error

Report Pollutant Summary: Total Emissions (Tons)

Unit	SCC Id	PM-CON	SO2	NOX	OC	7439921	PM-FIL	PM10-FIL	PM25-FIL	VOC	NH3	CO
B002	**1-02-006-02**	0.213699	0.0224946	1.87455	0.412401	1.87455E-05	0.0712329	0.0712329	0.0712329	0.2062	0.119971	3.14924
B002	**1-02-005-02**											
B003	**1-02-005-01**											

B003	**1-02-006-01**	0.265711	0.0279696	7.92	0.512776	2.3308E-05	0.0885704	0.0885704	0.0885704	0.256388	0.149171	3.91574
B023	**1-02-005-02**											
B023	**1-02-006-02**	0.180057	0.0189534	4.42246	0.347479	1.57945E-05	0.0600191	0.0600191	0.0600191	0.17374	0.101085	2.65348
B024	**1-02-006-02**	0.184124	0.0193815	4.52235	0.355328	1.61513E-05	0.0613748	0.0613748	0.0613748	0.177664	0.103368	2.71341
B024	**1-02-005-02**											
P087	**3-09-030-99**	0.	0.	0.	1.87	0.	0.13	0.13	0.13	1.87	0.	0.
P174	**3-09-030-99**	0.	0.	0.	4.45	0.	0.31	0.31	0.31	4.45	0.	0.
P183	**3-09-030-99**	0.	0.	0.	1.34	0.	0.14	0.14	0.14	1.34	0.	0.
P184	**3-09-030-99**	0.	0.	0.	1.63	0.	0.2	0.2	0.2	1.63	0.	0.
P185	**3-09-030-99**	0.	0.	0.	1.63	0.	0.2	0.2	0.2	1.63	0.	0.
P186	**3-09-030-99**	0.	0.	0.	1.39	0.	0.13	0.13	0.13	1.39	0.	0.
P187	**3-09-030-99**	0.	0.	0.	1.57	0.	0.13	0.13	0.13	1.57	0.	0.
P193	**3-09-030-99**	0.	0.	0.	2.81	0.	0.2	0.2	0.2	2.81	0.	0.
P196	**3-09-030-99**	0.	0.	0.	1.31	0.	0.13	0.13	0.13	1.31	0.	0.
P197	**3-09-030-99**	0.	0.	0.	3.98	0.	0.28	0.28	0.28	3.98	0.	0.
P200	**3-09-030-99**	0.	0.	0.	2.53	0.	0.2	0.2	0.2	2.53	0.	0.
P209	**3-09-020-99**	0.	0.	0.	1.41	0.	0.1	0.1	0.1	1.41	0.	0.
P210	**3-09-020-99**	0.	0.	0.	1.41	0.	0.1	0.1	0.1	1.41	0.	0.
P212	**3-04-900-03**	0.290415	0.03057	7.133	0.56045	2.5475E-05	0.096805	0.096805	0.096805	0.14266	0.	4.2798
P212	**3-04-900-34**	0.	0.	2.1	2.1	0.	0.	0.	0.	2.1	0.	0.36
P219	**3-09-030-99**	0.	0.	0.	0.	0.	5.11	5.11	5.11	0.	0.	0.
P223	**1-05-001-06**	0.	0.0368241	6.13735	0.675109	3.06868E-05	0.18412	0.18412	0.18412	0.32528	0.	1.22747
P228	**3-09-030-99**	0.	0.	0.	12.68	0.	0.89	0.89	0.89	12.68	0.	0.

Report Pollutant Summary (continued)

Unit	**SCC Id**	**PM-CON**	**SO2**	**NOX**	**OC**	**7439921**	**PM-FIL**	**PM10-FIL**	**PM25-FIL**	**VOC**	**NH3**	**CO**
P229	**3-09-030-99**	0.	0.	0.	27.3	0.	4.35	4.35	4.35	27.3	0.	0.
Total		1.13401	0.156193	34.1097	72.2735	1.30161E-04	13.1621	13.1621	13.1621	70.6919	0.473595	18.2991

Emission Unit Summary: B002

Oct 11 2011, 10:09:32

Emissions Unit ID: B002

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.	0.213699	0.213699	TONs	
SO2 - Sulfur Dioxide	SO2	X	0.	0.0224946	0.0224946	TONs	
NOx - Nitrogen Oxides	NOX	X	0.	1.87455	1.87455	TONs	
Organic Compounds	OC	X	0.	0.412401	0.412401	TONs	
Pb - Lead	7439921	X	0.	1.87455E-05	1.87455E-05	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.	0.0712329	0.0712329	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.	0.0712329	0.0712329	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.	0.0712329	0.0712329	TONs	
VOC - Volatile Organic Compounds	VOC		0.	0.2062	0.2062	TONs	
Ammonia	NH3		0.	0.119971	0.119971	TONs	
CO - Carbon Monoxide	CO		0.	3.14924	3.14924	TONs	
Total of Chargable Pollutants					2.3807	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.	3.37419E-08	3.37419E-08	TONs
Acenaphthylene	208968	0.	3.37419E-08	3.37419E-08	TONs
Acetaldehyde	75070	0.	7.83562E-04	7.83562E-04	TONs
Acrolein	107028	0.	6.74838E-04	6.74838E-04	TONs
Anthracene	120127	0.	4.49892E-08	4.49892E-08	TONs
Arsenic	7440382	0.	7.4982E-06	7.4982E-06	TONs

Benz[A]Anthracene	56553	0.	3.37419E-08	3.37419E-08	TONs
Benzene	71432	0.	7.87311E-05	7.87311E-05	TONs
Benzo[A]Pyrene	50328	0.	2.24946E-08	2.24946E-08	TONs
Benzo[B]Fluoranthene	205992	0.	3.37419E-08	3.37419E-08	TONs
Benzo[G,H,I,]Perylene	191242	0.	2.24946E-08	2.24946E-08	TONs
Benzo[K]Fluoranthene	207089	0.	3.37419E-08	3.37419E-08	TONs
Beryllium	7440417	0.	2.24946E-07	2.24946E-07	TONs
Cadmium	7440439	0.	4.12401E-05	4.12401E-05	TONs
Chromium	7440473	0.	5.24874E-05	5.24874E-05	TONs
Chrysene	218019	0.	3.37419E-08	3.37419E-08	TONs
Cobalt	7440484	0.	3.14924E-06	3.14924E-06	TONs
Dibenzo[A,H]Anthracene	53703	0.	2.24946E-08	2.24946E-08	TONs
Dimethylbenz[A]Anthracene, 7,12-	57976	0.	2.99928E-07	2.99928E-07	TONs
Fluoranthene	206440	0.	1.12473E-07	1.12473E-07	TONs
Fluorene	86737	0.	1.04975E-07	1.04975E-07	TONs
Formaldehyde	50000	0.	0.00281182	0.00281182	TONs
Hexane, N-	110543	0.	0.0674838	0.0674838	TONs
Indeno[1,2,3-C,D]Pyrene	193395	0.	3.37419E-08	3.37419E-08	TONs
MN - Manganese	7439965	0.	1.42466E-05	1.42466E-05	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0.	9.74766E-06	9.74766E-06	TONs
Methylcholanthrene, 3-	56495	0.	3.37419E-08	3.37419E-08	TONs
Methylnaphthalene, 2-	91576	0.	8.99784E-07	8.99784E-07	TONs
Naphthalene	91203	0.	2.28695E-05	2.28695E-05	TONs
Nickel	7440020	0.	7.87311E-05	7.87311E-05	TONs
Phenanthrene	85018	0.	6.37347E-07	6.37347E-07	TONs
Polycyclic Organic Matter	246	0.	2.43317E-05	2.43317E-05	TONs
Pyrene	129000	0.	1.87455E-07	1.87455E-07	TONs
Selenium	7782492	0.	4.49892E-07	4.49892E-07	TONs
Toluene	108883	0.	1.27469E-04	1.27469E-04	TONs

- **Processes**

- Process & Emissions Detail

Name: B002-3

Source Classification Code (SCC): 1-02-006-02

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 10

Hours Per Year: 1641

Winter (Dec - Feb)%: 45

Spring (March-May)%: 53

Summer (June-Aug)%: 0

Fall (Sept-Nov)%: 2

Material	Material Action	Throughput	X Units
Natural Gas	Burned	74.982	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		factor:OEPA (auto calculate)	0	5.7	0.	0.213699	0.213699	TONs	
SO2 - Sulfur Dioxide	SO2	X	factor:OEPA (auto calculate)	0	0.6	0.	0.0224946	0.0224946	TONs	
NOx - Nitrogen Oxides	NOX	X	factor:OEPA (auto calculate)	0	100	0.	1.87455	1.87455	TONs	
Organic Compounds	OC	X	factor:OEPA (auto	0	11	0.	0.412401	0.412401	TONs	

			calculate)							
Pb - Lead	7439921	X	factor:OEPA (auto calculate)	0	5E-04	0.	1.87455E-05	1.87455E-05	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	factor:OEPA (auto calculate)	0	1.9	0.	0.0712329	0.0712329	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		factor:OEPA (auto calculate)	0	1.9	0.	0.0712329	0.0712329	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		factor:OEPA (auto calculate)	0	1.9	0.	0.0712329	0.0712329	TONs	
VOC - Volatile Organic Compounds	VOC		factor:OEPA (auto calculate)	0	5.5	0.	0.2062	0.2062	TONs	
Ammonia	NH3		factor:OEPA (auto calculate)	0	3.2	0.	0.119971	0.119971	TONs	
CO - Carbon Monoxide	CO		factor:OEPA (auto calculate)	0	84	0.	3.14924	3.14924	TONs	
Total of Chargable Pollutants								2.3807	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	9E-07	0.	3.37419E-08	3.37419E-08	TONs	

Acenaphthylene	208968	factor:OEPA (auto calculate)	0	9E-07	0.	3.37419E-08	3.37419E-08	TONs	
Acetaldehyde	75070	factor:OEPA (auto calculate)	0	0.0209	0.	7.83562E-04	7.83562E-04	TONs	
Acrolein	107028	factor:OEPA (auto calculate)	0	0.018	0.	6.74838E-04	6.74838E-04	TONs	
Anthracene	120127	factor:OEPA (auto calculate)	0	1.2E-06	0.	4.49892E-08	4.49892E-08	TONs	
Arsenic	7440382	factor:OEPA (auto calculate)	0	2E-04	0.	7.4982E-06	7.4982E-06	TONs	
Benz[A]Anthracene	56553	factor:OEPA (auto calculate)	0	9E-07	0.	3.37419E-08	3.37419E-08	TONs	
Benzene	71432	factor:OEPA (auto calculate)	0	0.0021	0.	7.87311E-05	7.87311E-05	TONs	
Benzo[A]Pyrene	50328	factor:OEPA (auto calculate)	0	6E-07	0.	2.24946E-08	2.24946E-08	TONs	
Benzo[B]Fluoranthene	205992	factor:OEPA (auto calculate)	0	9E-07	0.	3.37419E-08	3.37419E-08	TONs	
Benzo[G,H,I,]Perylene	191242	factor:OEPA (auto calculate)	0	6E-07	0.	2.24946E-08	2.24946E-08	TONs	
Benzo[K]Fluoranthene	207089	factor:OEPA (auto calculate)	0	9E-07	0.	3.37419E-08	3.37419E-08	TONs	
Beryllium	7440417	factor:OEPA (auto calculate)	0	6E-06	0.	2.24946E-07	2.24946E-07	TONs	
Cadmium	7440439	factor:OEPA (auto calculate)	0	0.0011	0.	4.12401E-05	4.12401E-05	TONs	
Chromium	7440473	factor:OEPA (auto calculate)	0	0.0014	0.	5.24874E-05	5.24874E-05	TONs	

Chrysene	218019	factor:OEPA (auto calculate)	0	9E-07	0.	3.37419E-08	3.37419E-08	TONs	
Cobalt	7440484	factor:OEPA (auto calculate)	0	8.4E-05	0.	3.14924E-06	3.14924E-06	TONs	
Dibenzo[A,H]Anthracene	53703	factor:OEPA (auto calculate)	0	6E-07	0.	2.24946E-08	2.24946E-08	TONs	
Dimethylbenz[A]Anthracene, 7,12-	57976	factor:OEPA (auto calculate)	0	8E-06	0.	2.99928E-07	2.99928E-07	TONs	
Fluoranthene	206440	factor:OEPA (auto calculate)	0	3E-06	0.	1.12473E-07	1.12473E-07	TONs	
Fluorene	86737	factor:OEPA (auto calculate)	0	2.8E-06	0.	1.04975E-07	1.04975E-07	TONs	
Formaldehyde	50000	factor:OEPA (auto calculate)	0	0.075	0.	0.00281182	0.00281182	TONs	
Hexane, N-	110543	factor:OEPA (auto calculate)	0	1.8	0.	0.0674838	0.0674838	TONs	
Indeno[1,2,3-C,D]Pyrene	193395	factor:OEPA (auto calculate)	0	9E-07	0.	3.37419E-08	3.37419E-08	TONs	
MN - Manganese	7439965	factor:OEPA (auto calculate)	0	3.8E-04	0.	1.42466E-05	1.42466E-05	TONs	
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	factor:OEPA (auto calculate)	0	2.6E-04	0.	9.74766E-06	9.74766E-06	TONs	
Methylcholanthrene, 3-	56495	factor:OEPA (auto calculate)	0	9E-07	0.	3.37419E-08	3.37419E-08	TONs	
Methylnaphthalene, 2-	91576	factor:OEPA (auto calculate)	0	2.4E-05	0.	8.99784E-07	8.99784E-07	TONs	
Naphthalene	91203	factor:OEP	0	6.1E-04	0.	2.28695E-05	2.28695E-05	TONs	

		A (auto calculate)							
Nickel	7440020	factor:OEP A (auto calculate)	0	0.0021	0.	7.87311E-05	7.87311E-05	TONs	
Phenanthrene	85018	factor:OEP A (auto calculate)	0	1.7E-05	0.	6.37347E-07	6.37347E-07	TONs	
Polycyclic Organic Matter	246	factor:OEP A (auto calculate)	0	6.49E-04	0.	2.43317E-05	2.43317E-05	TONs	
Pyrene	129000	factor:OEP A (auto calculate)	0	5E-06	0.	1.87455E-07	1.87455E-07	TONs	
Selenium	7782492	factor:OEP A (auto calculate)	0	1.2E-05	0.	4.49892E-07	4.49892E-07	TONs	
Toluene	108883	factor:OEP A (auto calculate)	0	0.0034	0.	1.27469E-04	1.27469E-04	TONs	

- Process & Emissions Detail

Name: B002-2

Source Classification Code (SCC): 1-02-005-02

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 0

Days Per Week: 0

Weeks Per Year: 0

Hours Per Year: 0

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

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

Variable	Amount	Meaning

HCl	138452	Liquid Heat Content (Btu/gallons)
S	.04	% 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: B003

Oct 11 2011, 10:09:32

Emissions Unit ID: B003

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.	0.265711	0.265711	TONs	
SO2 - Sulfur Dioxide	SO2	X	0.	0.0279696	0.0279696	TONs	
NOx - Nitrogen Oxides	NOX	X	0	7.92	7.92	TONs	
Organic Compounds	OC	X	0.	0.512776	0.512776	TONs	
Pb - Lead	7439921	X	0.	2.3308E-05	2.3308E-05	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.	0.0885704	0.0885704	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.	0.0885704	0.0885704	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.	0.0885704	0.0885704	TONs	
VOC - Volatile Organic Compounds	VOC		0.	0.256388	0.256388	TONs	
Ammonia	NH3		0.	0.149171	0.149171	TONs	
CO - Carbon Monoxide	CO		0.	3.91574	3.91574	TONs	
Total of Chargable Pollutants					8.54934	TONS	

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Pollutant	Code	Fugitive Amount	Stack Amount	Total	Units
Acenaphthene	83329	0.	4.19544E-08	4.19544E-08	TONs
Acenaphthylene	208968	0.	4.19544E-08	4.19544E-08	TONs
Acetaldehyde	75070	0.	9.74274E-04	9.74274E-04	TONs
Acrolein	107028	0.	8.39088E-04	8.39088E-04	TONs
Anthracene	120127	0.	5.59392E-08	5.59392E-08	TONs
Arsenic	7440382	0.	9.3232E-06	9.3232E-06	TONs

Benz[A]Anthracene	56553	0.	4.19544E-08	4.19544E-08	TONs
Benzene	71432	0.	9.78936E-05	9.78936E-05	TONs
Benzo[A]Pyrene	50328	0.	2.79696E-08	2.79696E-08	TONs
Benzo[B]Fluoranthene	205992	0.	4.19544E-08	4.19544E-08	TONs
Benzo[G,H,I,]Perylene	191242	0.	2.79696E-08	2.79696E-08	TONs
Benzo[K]Fluoranthene	207089	0.	4.19544E-08	4.19544E-08	TONs
Beryllium	7440417	0.	2.79696E-07	2.79696E-07	TONs
Cadmium	7440439	0.	5.12776E-05	5.12776E-05	TONs
Chromium	7440473	0.	6.52624E-05	6.52624E-05	TONs
Chrysene	218019	0.	4.19544E-08	4.19544E-08	TONs
Cobalt	7440484	0.	3.91574E-06	3.91574E-06	TONs
Dibenzo[A,H]Anthracene	53703	0.	2.79696E-08	2.79696E-08	TONs
Dimethylbenz[A]Anthracene, 7,12-	57976	0.	3.72928E-07	3.72928E-07	TONs
Fluoranthene	206440	0.	1.39848E-07	1.39848E-07	TONs
Fluorene	86737	0.	1.30525E-07	1.30525E-07	TONs
Formaldehyde	50000	0.	0.0034962	0.0034962	TONs
Hexane, N-	110543	0.	0.0839088	0.0839088	TONs
Indeno[1,2,3-C,D]Pyrene	193395	0.	4.19544E-08	4.19544E-08	TONs
MN - Manganese	7439965	0.	1.77141E-05	1.77141E-05	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0.	1.21202E-05	1.21202E-05	TONs
Methylcholanthrene, 3-	56495	0.	4.19544E-08	4.19544E-08	TONs
Methylnaphthalene, 2-	91576	0.	1.11878E-06	1.11878E-06	TONs
Naphthalene	91203	0.	2.84358E-05	2.84358E-05	TONs
Nickel	7440020	0.	9.78936E-05	9.78936E-05	TONs
Phenanthrene	85018	0.	7.92472E-07	7.92472E-07	TONs
Polycyclic Organic Matter	246	0.	3.02538E-05	3.02538E-05	TONs
Pyrene	129000	0.	2.3308E-07	2.3308E-07	TONs
Selenium	7782492	0.	5.59392E-07	5.59392E-07	TONs
Toluene	108883	0.	1.58494E-04	1.58494E-04	TONs

- **Processes**

- **Process & Emissions Detail**

Name: B003-6

Source Classification Code (SCC): 1-02-005-01

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

Schedule Trade Secret:

Hours Per Day: 0

Days Per Week: 0

Weeks Per Year: 0

Hours Per Year: 0

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

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

Variable	Amount	Meaning
HCl	138452	Liquid Heat Content (Btu/gallons)
S	.04	% 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: B003-7

Source Classification Code (SCC): 1-02-006-01

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

Schedule Trade Secret:

Hours Per Day:	24	Winter (Dec - Feb)%:	93
Days Per Week:	7	Spring (March-May)%:	0
Weeks Per Year:	9	Summer (June-Aug)%:	0
Hours Per Year:	1564	Fall (Sept-Nov)%:	7

Material	Material Action	Throughput	X Units
Natural Gas	Burned	93.232	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		factor:OEPA (auto calculate)	0	5.7	0.	0.265711	0.265711	TONs	
SO2 - Sulfur Dioxide	SO2	X	factor:OEPA (auto calculate)	0	0.6	0.	0.0279696	0.0279696	TONs	
NOx - Nitrogen Oxides	NOX	X	emissions: ENG. JUDGEMENT			0	7.92	7.92	TONs	Boiler manufacturer's performance specifications which considers low NOx burners.
Organic Compounds	OC	X	factor:OEPA (auto calculate)	0	11	0.	0.512776	0.512776	TONs	
Pb - Lead	7439921	X	factor:OEPA (auto calculate)	0	5E-04	0.	2.3308E-05	2.3308E-05	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	factor:OEPA (auto calculate)	0	1.9	0.	0.0885704	0.0885704	TONs	
PM10 (Filt) - Primary PM10,	PM10-FIL		factor:OEPA (auto	0	1.9	0.	0.0885704	0.0885704	TONs	

Filterable Portion Only			calculate)							
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		factor:OEPA (auto calculate)	0	1.9	0.	0.0885704	0.0885704	TONs	
VOC - Volatile Organic Compounds	VOC		factor:OEPA (auto calculate)	0	5.5	0.	0.256388	0.256388	TONs	
Ammonia	NH3		factor:OEPA (auto calculate)	0	3.2	0.	0.149171	0.149171	TONs	
CO - Carbon Monoxide	CO		factor:OEPA (auto calculate)	0	84	0.	3.91574	3.91574	TONs	
Total of Chargable Pollutants								8.54934	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	9E-07	0.	4.19544E-08	4.19544E-08	TONs	
Acenaphthylene	208968	factor:OEPA (auto calculate)	0	9E-07	0.	4.19544E-08	4.19544E-08	TONs	
Acetaldehyde	75070	factor:OEPA (auto calculate)	0	0.0209	0.	9.74274E-04	9.74274E-04	TONs	
Acrolein	107028	factor:OEPA (auto calculate)	0	0.018	0.	8.39088E-04	8.39088E-04	TONs	
Anthracene	120127	factor:OEP	0	1.2E-06	0.	5.59392E-08	5.59392E-08	TONs	

		A (auto calculate)							
Arsenic	7440382	factor:OEP A (auto calculate)	0	2E-04	0.	9.3232E-06	9.3232E-06	TONs	
Benz[A]Anthracene	56553	factor:OEP A (auto calculate)	0	9E-07	0.	4.19544E-08	4.19544E-08	TONs	
Benzene	71432	factor:OEP A (auto calculate)	0	0.0021	0.	9.78936E-05	9.78936E-05	TONs	
Benzo[A]Pyrene	50328	factor:OEP A (auto calculate)	0	6E-07	0.	2.79696E-08	2.79696E-08	TONs	
Benzo[B]Fluoranthene	205992	factor:OEP A (auto calculate)	0	9E-07	0.	4.19544E-08	4.19544E-08	TONs	
Benzo[G,H,I,]Perylene	191242	factor:OEP A (auto calculate)	0	6E-07	0.	2.79696E-08	2.79696E-08	TONs	
Benzo[K]Fluoranthene	207089	factor:OEP A (auto calculate)	0	9E-07	0.	4.19544E-08	4.19544E-08	TONs	
Beryllium	7440417	factor:OEP A (auto calculate)	0	6E-06	0.	2.79696E-07	2.79696E-07	TONs	
Cadmium	7440439	factor:OEP A (auto calculate)	0	0.0011	0.	5.12776E-05	5.12776E-05	TONs	
Chromium	7440473	factor:OEP A (auto calculate)	0	0.0014	0.	6.52624E-05	6.52624E-05	TONs	
Chrysene	218019	factor:OEP A (auto calculate)	0	9E-07	0.	4.19544E-08	4.19544E-08	TONs	
Cobalt	7440484	factor:OEP A (auto calculate)	0	8.4E-05	0.	3.91574E-06	3.91574E-06	TONs	
Dibenzo[A,H]Anthracene	53703	factor:OEP A (auto calculate)	0	6E-07	0.	2.79696E-08	2.79696E-08	TONs	
Dimethylbenz[A]	57976	factor:OEP	0	8E-06	0.	3.72928E-07	3.72928E-07	TONs	

Anthracene, 7,12-		A (auto calculate)							
Fluoranthene	206440	factor:OEP A (auto calculate)	0	3E-06	0.	1.39848E-07	1.39848E-07	TONs	
Fluorene	86737	factor:OEP A (auto calculate)	0	2.8E-06	0.	1.30525E-07	1.30525E-07	TONs	
Formaldehyde	50000	factor:OEP A (auto calculate)	0	0.075	0.	0.0034962	0.0034962	TONs	
Hexane, N-	110543	factor:OEP A (auto calculate)	0	1.8	0.	0.0839088	0.0839088	TONs	
Indeno[1,2,3-C,D]Pyrene	193395	factor:OEP A (auto calculate)	0	9E-07	0.	4.19544E-08	4.19544E-08	TONs	
MN - Manganese	7439965	factor:OEP A (auto calculate)	0	3.8E-04	0.	1.77141E-05	1.77141E-05	TONs	
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	factor:OEP A (auto calculate)	0	2.6E-04	0.	1.21202E-05	1.21202E-05	TONs	
Methylcholanthrene, 3-	56495	factor:OEP A (auto calculate)	0	9E-07	0.	4.19544E-08	4.19544E-08	TONs	
Methylnaphthalene, 2-	91576	factor:OEP A (auto calculate)	0	2.4E-05	0.	1.11878E-06	1.11878E-06	TONs	
Naphthalene	91203	factor:OEP A (auto calculate)	0	6.1E-04	0.	2.84358E-05	2.84358E-05	TONs	
Nickel	7440020	factor:OEP A (auto calculate)	0	0.0021	0.	9.78936E-05	9.78936E-05	TONs	
Phenanthrene	85018	factor:OEP A (auto calculate)	0	1.7E-05	0.	7.92472E-07	7.92472E-07	TONs	
Polycyclic Organic Matter	246	factor:OEP A (auto	0	6.49E-04	0.	3.02538E-05	3.02538E-05	TONs	

		calculate)							
Pyrene	129000	factor:OEPA (auto calculate)	0	5E-06	0.	2.3308E-07	2.3308E-07	TONs	
Selenium	7782492	factor:OEPA (auto calculate)	0	1.2E-05	0.	5.59392E-07	5.59392E-07	TONs	
Toluene	108883	factor:OEPA (auto calculate)	0	0.0034	0.	1.58494E-04	1.58494E-04	TONs	

Emission Unit Summary: B023

Oct 11 2011, 10:09:32

Emissions Unit ID: B023

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.	0.180057	0.180057	TONs	
SO2 - Sulfur Dioxide	SO2	X	0.	0.0189534	0.0189534	TONs	
NOx - Nitrogen Oxides	NOX	X	0.	4.42246	4.42246	TONs	
Organic Compounds	OC	X	0.	0.347479	0.347479	TONs	
Pb - Lead	7439921	X	0.	1.57945E-05	1.57945E-05	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.	0.0600191	0.0600191	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.	0.0600191	0.0600191	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.	0.0600191	0.0600191	TONs	
VOC - Volatile Organic Compounds	VOC		0.	0.17374	0.17374	TONs	
Ammonia	NH3		0.	0.101085	0.101085	TONs	
CO - Carbon Monoxide	CO		0.	2.65348	2.65348	TONs	
Total of Chargable Pollutants					4.84893	TONS	

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Pollutant	Code	Fugitive Amount	Stack Amount	Total	Units
Acenaphthene	83329	0.	2.84301E-08	2.84301E-08	TONs
Acenaphthylene	208968	0.	2.84301E-08	2.84301E-08	TONs
Acetaldehyde	75070	0.	6.6021E-04	6.6021E-04	TONs
Acrolein	107028	0.	5.68602E-04	5.68602E-04	TONs
Anthracene	120127	0.	3.79068E-08	3.79068E-08	TONs
Arsenic	7440382	0.	6.3178E-06	6.3178E-06	TONs

Benz[A]Anthracene	56553	0.	2.84301E-08	2.84301E-08	TONs
Benzene	71432	0.	6.63369E-05	6.63369E-05	TONs
Benzo[A]Pyrene	50328	0.	1.89534E-08	1.89534E-08	TONs
Benzo[B]Fluoranthene	205992	0.	2.84301E-08	2.84301E-08	TONs
Benzo[G,H,I,]Perylene	191242	0.	1.89534E-08	1.89534E-08	TONs
Benzo[K]Fluoranthene	207089	0.	2.84301E-08	2.84301E-08	TONs
Beryllium	7440417	0.	1.89534E-07	1.89534E-07	TONs
Cadmium	7440439	0.	3.47479E-05	3.47479E-05	TONs
Chromium	7440473	0.	4.42246E-05	4.42246E-05	TONs
Chrysene	218019	0.	2.84301E-08	2.84301E-08	TONs
Cobalt	7440484	0.	2.65348E-06	2.65348E-06	TONs
Dibenzo[A,H]Anthracene	53703	0.	1.89534E-08	1.89534E-08	TONs
Dimethylbenz[A]Anthracene, 7,12-	57976	0.	2.52712E-07	2.52712E-07	TONs
Fluoranthene	206440	0.	9.4767E-08	9.4767E-08	TONs
Fluorene	86737	0.	8.84492E-08	8.84492E-08	TONs
Formaldehyde	50000	0.	0.00236918	0.00236918	TONs
Hexane, N-	110543	0.	0.0568602	0.0568602	TONs
Indeno[1,2,3-C,D]Pyrene	193395	0.	2.84301E-08	2.84301E-08	TONs
MN - Manganese	7439965	0.	1.20038E-05	1.20038E-05	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0.	8.21314E-06	8.21314E-06	TONs
Methylcholanthrene, 3-	56495	0.	2.84301E-08	2.84301E-08	TONs
Methylnaphthalene, 2-	91576	0.	7.58136E-07	7.58136E-07	TONs
Naphthalene	91203	0.	1.92693E-05	1.92693E-05	TONs
Nickel	7440020	0.	6.63369E-05	6.63369E-05	TONs
Phenanthrene	85018	0.	5.37013E-07	5.37013E-07	TONs
Polycyclic Organic Matter	246	0.	2.05013E-05	2.05013E-05	TONs
Pyrene	129000	0.	1.57945E-07	1.57945E-07	TONs
Selenium	7782492	0.	3.79068E-07	3.79068E-07	TONs
Toluene	108883	0.	1.07403E-04	1.07403E-04	TONs

- **Processes**

- **Process & Emissions Detail**

Name: B023-10

Source Classification Code (SCC): 1-02-005-02

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

Schedule Trade Secret:

Hours Per Day: 0

Days Per Week: 0

Weeks Per Year: 0

Hours Per Year: 0

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

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

Variable	Amount	Meaning
HCl	138452	Liquid Heat Content (Btu/gallons)
S	.04	% 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: B023-11

Source Classification Code (SCC): 1-02-006-02

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

Schedule Trade Secret:

Hours Per Day:	24	Winter (Dec - Feb)%:	0
Days Per Week:	7	Spring (March-May)%:	36
Weeks Per Year:	22	Summer (June-Aug)%:	21
Hours Per Year:	3641	Fall (Sept-Nov)%:	43

Material	Material Action	Throughput	X Units
Natural Gas	Burned	63.178	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		factor:OEPA (auto calculate)	0	5.7	0.	0.180057	0.180057	TONs	
SO2 - Sulfur Dioxide	SO2	X	factor:OEPA (auto calculate)	0	0.6	0.	0.0189534	0.0189534	TONs	
NOx - Nitrogen Oxides	NOX	X	factor:SITE-SPECIFIC	0	140	0.	4.42246	4.42246	TONs	Emission factor (lb/MMCF) based on facility Title V Renewable Operating Permit, EUs: Boiler #1A & 1B, Part III, A., 3.,a., effective 10/24/02.
Organic Compounds	OC	X	factor:OEPA (auto calculate)	0	11	0.	0.347479	0.347479	TONs	
Pb - Lead	7439921	X	factor:OEPA (auto calculate)	0	5E-04	0.	1.57945E-05	1.57945E-05	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	factor:OEPA (auto calculate)	0	1.9	0.	0.0600191	0.0600191	TONs	
PM10 (Filt) - Primary PM10,	PM10-FIL		factor:OEPA (auto	0	1.9	0.	0.0600191	0.0600191	TONs	

Filterable Portion Only			calculate)							
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		factor:OEPA (auto calculate)	0	1.9	0.	0.0600191	0.0600191	TONs	
VOC - Volatile Organic Compounds	VOC		factor:OEPA (auto calculate)	0	5.5	0.	0.17374	0.17374	TONs	
Ammonia	NH3		factor:OEPA (auto calculate)	0	3.2	0.	0.101085	0.101085	TONs	
CO - Carbon Monoxide	CO		factor:OEPA (auto calculate)	0	84	0.	2.65348	2.65348	TONs	
Total of Chargable Pollutants								4.84893	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	9E-07	0.	2.84301E-08	2.84301E-08	TONs	
Acenaphthylene	208968	factor:OEPA (auto calculate)	0	9E-07	0.	2.84301E-08	2.84301E-08	TONs	
Acetaldehyde	75070	factor:OEPA (auto calculate)	0	0.0209	0.	6.6021E-04	6.6021E-04	TONs	
Acrolein	107028	factor:OEPA (auto calculate)	0	0.018	0.	5.68602E-04	5.68602E-04	TONs	
Anthracene	120127	factor:OEP	0	1.2E-06	0.	3.79068E-08	3.79068E-08	TONs	

		A (auto calculate)							
Arsenic	7440382	factor:OEP A (auto calculate)	0	2E-04	0.	6.3178E-06	6.3178E-06	TONs	
Benz[A]Anthracene	56553	factor:OEP A (auto calculate)	0	9E-07	0.	2.84301E-08	2.84301E-08	TONs	
Benzene	71432	factor:OEP A (auto calculate)	0	0.0021	0.	6.63369E-05	6.63369E-05	TONs	
Benzo[A]Pyrene	50328	factor:OEP A (auto calculate)	0	6E-07	0.	1.89534E-08	1.89534E-08	TONs	
Benzo[B]Fluoranthene	205992	factor:OEP A (auto calculate)	0	9E-07	0.	2.84301E-08	2.84301E-08	TONs	
Benzo[G,H,I,]Perylene	191242	factor:OEP A (auto calculate)	0	6E-07	0.	1.89534E-08	1.89534E-08	TONs	
Benzo[K]Fluoranthene	207089	factor:OEP A (auto calculate)	0	9E-07	0.	2.84301E-08	2.84301E-08	TONs	
Beryllium	7440417	factor:OEP A (auto calculate)	0	6E-06	0.	1.89534E-07	1.89534E-07	TONs	
Cadmium	7440439	factor:OEP A (auto calculate)	0	0.0011	0.	3.47479E-05	3.47479E-05	TONs	
Chromium	7440473	factor:OEP A (auto calculate)	0	0.0014	0.	4.42246E-05	4.42246E-05	TONs	
Chrysene	218019	factor:OEP A (auto calculate)	0	9E-07	0.	2.84301E-08	2.84301E-08	TONs	
Cobalt	7440484	factor:OEP A (auto calculate)	0	8.4E-05	0.	2.65348E-06	2.65348E-06	TONs	
Dibenzo[A,H]Anthracene	53703	factor:OEP A (auto calculate)	0	6E-07	0.	1.89534E-08	1.89534E-08	TONs	
Dimethylbenz[A]	57976	factor:OEP	0	8E-06	0.	2.52712E-07	2.52712E-07	TONs	

Anthracene, 7,12-		A (auto calculate)							
Fluoranthene	206440	factor:OEP A (auto calculate)	0	3E-06	0.	9.4767E-08	9.4767E-08	TONs	
Fluorene	86737	factor:OEP A (auto calculate)	0	2.8E-06	0.	8.84492E-08	8.84492E-08	TONs	
Formaldehyde	50000	factor:OEP A (auto calculate)	0	0.075	0.	0.00236918	0.00236918	TONs	
Hexane, N-	110543	factor:OEP A (auto calculate)	0	1.8	0.	0.0568602	0.0568602	TONs	
Indeno[1,2,3-C,D]Pyrene	193395	factor:OEP A (auto calculate)	0	9E-07	0.	2.84301E-08	2.84301E-08	TONs	
MN - Manganese	7439965	factor:OEP A (auto calculate)	0	3.8E-04	0.	1.20038E-05	1.20038E-05	TONs	
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	factor:OEP A (auto calculate)	0	2.6E-04	0.	8.21314E-06	8.21314E-06	TONs	
Methylcholanthrene, 3-	56495	factor:OEP A (auto calculate)	0	9E-07	0.	2.84301E-08	2.84301E-08	TONs	
Methylnaphthalene, 2-	91576	factor:OEP A (auto calculate)	0	2.4E-05	0.	7.58136E-07	7.58136E-07	TONs	
Naphthalene	91203	factor:OEP A (auto calculate)	0	6.1E-04	0.	1.92693E-05	1.92693E-05	TONs	
Nickel	7440020	factor:OEP A (auto calculate)	0	0.0021	0.	6.63369E-05	6.63369E-05	TONs	
Phenanthrene	85018	factor:OEP A (auto calculate)	0	1.7E-05	0.	5.37013E-07	5.37013E-07	TONs	
Polycyclic Organic Matter	246	factor:OEP A (auto	0	6.49E-04	0.	2.05013E-05	2.05013E-05	TONs	

		calculate)							
Pyrene	129000	factor:OEPA (auto calculate)	0	5E-06	0.	1.57945E-07	1.57945E-07	TONs	
Selenium	7782492	factor:OEPA (auto calculate)	0	1.2E-05	0.	3.79068E-07	3.79068E-07	TONs	
Toluene	108883	factor:OEPA (auto calculate)	0	0.0034	0.	1.07403E-04	1.07403E-04	TONs	

Emission Unit Summary: B024

Oct 11 2011, 10:09:32

Emissions Unit ID: B024

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.	0.184124	0.184124	TONs	
SO2 - Sulfur Dioxide	SO2	X	0.	0.0193815	0.0193815	TONs	
NOx - Nitrogen Oxides	NOX	X	0.	4.52235	4.52235	TONs	
Organic Compounds	OC	X	0.	0.355328	0.355328	TONs	
Pb - Lead	7439921	X	0.	1.61513E-05	1.61513E-05	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.	0.0613748	0.0613748	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.	0.0613748	0.0613748	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.	0.0613748	0.0613748	TONs	
VOC - Volatile Organic Compounds	VOC		0.	0.177664	0.177664	TONs	
Ammonia	NH3		0.	0.103368	0.103368	TONs	
CO - Carbon Monoxide	CO		0.	2.71341	2.71341	TONs	
Total of Chargable Pollutants					4.95845	TONS	

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Pollutant	Code	Fugitive Amount	Stack Amount	Total	Units
Acenaphthene	83329	0.	2.90722E-08	2.90722E-08	TONs
Acenaphthylene	208968	0.	2.90722E-08	2.90722E-08	TONs
Acetaldehyde	75070	0.	6.75122E-04	6.75122E-04	TONs
Acrolein	107028	0.	5.81445E-04	5.81445E-04	TONs
Anthracene	120127	0.	3.8763E-08	3.8763E-08	TONs
Arsenic	7440382	0.	6.4605E-06	6.4605E-06	TONs

Benz[A]Anthracene	56553	0.	2.90722E-08	2.90722E-08	TONs
Benzene	71432	0.	6.78353E-05	6.78353E-05	TONs
Benzo[A]Pyrene	50328	0.	1.93815E-08	1.93815E-08	TONs
Benzo[B]Fluoranthene	205992	0.	2.90722E-08	2.90722E-08	TONs
Benzo[G,H,I,]Perylene	191242	0.	1.93815E-08	1.93815E-08	TONs
Benzo[K]Fluoranthene	207089	0.	2.90722E-08	2.90722E-08	TONs
Beryllium	7440417	0.	1.93815E-07	1.93815E-07	TONs
Cadmium	7440439	0.	3.55328E-05	3.55328E-05	TONs
Chromium	7440473	0.	4.52235E-05	4.52235E-05	TONs
Chrysene	218019	0.	2.90722E-08	2.90722E-08	TONs
Cobalt	7440484	0.	2.71341E-06	2.71341E-06	TONs
Dibenzo[A,H]Anthracene	53703	0.	1.93815E-08	1.93815E-08	TONs
Dimethylbenz[A]Anthracene, 7,12-	57976	0.	2.5842E-07	2.5842E-07	TONs
Fluoranthene	206440	0.	9.69075E-08	9.69075E-08	TONs
Fluorene	86737	0.	9.0447E-08	9.0447E-08	TONs
Formaldehyde	50000	0.	0.00242269	0.00242269	TONs
Hexane, N-	110543	0.	0.0581445	0.0581445	TONs
Indeno[1,2,3-C,D]Pyrene	193395	0.	2.90722E-08	2.90722E-08	TONs
MN - Manganese	7439965	0.	1.2275E-05	1.2275E-05	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0.	8.39865E-06	8.39865E-06	TONs
Methylcholanthrene, 3-	56495	0.	2.90722E-08	2.90722E-08	TONs
Methylnaphthalene, 2-	91576	0.	7.7526E-07	7.7526E-07	TONs
Naphthalene	91203	0.	1.97045E-05	1.97045E-05	TONs
Nickel	7440020	0.	6.78353E-05	6.78353E-05	TONs
Phenanthrene	85018	0.	5.49143E-07	5.49143E-07	TONs
Polycyclic Organic Matter	246	0.	2.09643E-05	2.09643E-05	TONs
Pyrene	129000	0.	1.61513E-07	1.61513E-07	TONs
Selenium	7782492	0.	3.8763E-07	3.8763E-07	TONs
Toluene	108883	0.	1.09828E-04	1.09828E-04	TONs

- **Processes**

- Process & Emissions Detail

Name: B024-14

Source Classification Code (SCC): 1-02-006-02

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 21

Hours Per Year: 3482

Winter (Dec - Feb)%: 1

Spring (March-May)%: 25

Summer (June-Aug)%: 36

Fall (Sept-Nov)%: 38

Material	Material Action	Throughput	X Units
Natural Gas	Burned	64.605	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		factor:OEPA (auto calculate)	0	5.7	0.	0.184124	0.184124	TONs	
SO2 - Sulfur Dioxide	SO2	X	factor:OEPA (auto calculate)	0	0.6	0.	0.0193815	0.0193815	TONs	
NOx - Nitrogen Oxides	NOX	X	factor:SITE-SPECIFIC	0	140	0.	4.52235	4.52235	TONs	Emission factor (lb/MMCF) based on facility Title V Renewable Operating Permit, EUs: Boiler #1A & 1B, Part III, A., 3.,a., effective 10/24/02.
Organic Compounds	OC	X	factor:OEPA (auto	0	11	0.	0.355328	0.355328	TONs	

			calculate)							
Pb - Lead	7439921	X	factor:OEPA (auto calculate)	0	5E-04	0.	1.61513E-05	1.61513E-05	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	factor:OEPA (auto calculate)	0	1.9	0.	0.0613748	0.0613748	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		factor:OEPA (auto calculate)	0	1.9	0.	0.0613748	0.0613748	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		factor:OEPA (auto calculate)	0	1.9	0.	0.0613748	0.0613748	TONs	
VOC - Volatile Organic Compounds	VOC		factor:OEPA (auto calculate)	0	5.5	0.	0.177664	0.177664	TONs	
Ammonia	NH3		factor:OEPA (auto calculate)	0	3.2	0.	0.103368	0.103368	TONs	
CO - Carbon Monoxide	CO		factor:OEPA (auto calculate)	0	84	0.	2.71341	2.71341	TONs	
Total of Chargable Pollutants								4.95845	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
Acenaphthene	83329	factor:OEPA (auto calculate)	0	9E-07	0.	2.90722E-08	2.90722E-08	TONs	

Acenaphthylene	208968	factor:OEPA (auto calculate)	0	9E-07	0.	2.90722E-08	2.90722E-08	TONs	
Acetaldehyde	75070	factor:OEPA (auto calculate)	0	0.0209	0.	6.75122E-04	6.75122E-04	TONs	
Acrolein	107028	factor:OEPA (auto calculate)	0	0.018	0.	5.81445E-04	5.81445E-04	TONs	
Anthracene	120127	factor:OEPA (auto calculate)	0	1.2E-06	0.	3.8763E-08	3.8763E-08	TONs	
Arsenic	7440382	factor:OEPA (auto calculate)	0	2E-04	0.	6.4605E-06	6.4605E-06	TONs	
Benz[A]Anthracene	56553	factor:OEPA (auto calculate)	0	9E-07	0.	2.90722E-08	2.90722E-08	TONs	
Benzene	71432	factor:OEPA (auto calculate)	0	0.0021	0.	6.78353E-05	6.78353E-05	TONs	
Benzo[A]Pyrene	50328	factor:OEPA (auto calculate)	0	6E-07	0.	1.93815E-08	1.93815E-08	TONs	
Benzo[B]Fluoranthene	205992	factor:OEPA (auto calculate)	0	9E-07	0.	2.90722E-08	2.90722E-08	TONs	
Benzo[G,H,I,]Perylene	191242	factor:OEPA (auto calculate)	0	6E-07	0.	1.93815E-08	1.93815E-08	TONs	
Benzo[K]Fluoranthene	207089	factor:OEPA (auto calculate)	0	9E-07	0.	2.90722E-08	2.90722E-08	TONs	
Beryllium	7440417	factor:OEPA (auto calculate)	0	6E-06	0.	1.93815E-07	1.93815E-07	TONs	
Cadmium	7440439	factor:OEPA (auto calculate)	0	0.0011	0.	3.55328E-05	3.55328E-05	TONs	
Chromium	7440473	factor:OEPA (auto calculate)	0	0.0014	0.	4.52235E-05	4.52235E-05	TONs	

Chrysene	218019	factor:OEPA (auto calculate)	0	9E-07	0.	2.90722E-08	2.90722E-08	TONs	
Cobalt	7440484	factor:OEPA (auto calculate)	0	8.4E-05	0.	2.71341E-06	2.71341E-06	TONs	
Dibenzo[A,H]Anthracene	53703	factor:OEPA (auto calculate)	0	6E-07	0.	1.93815E-08	1.93815E-08	TONs	
Dimethylbenz[A]Anthracene, 7,12-	57976	factor:OEPA (auto calculate)	0	8E-06	0.	2.5842E-07	2.5842E-07	TONs	
Fluoranthene	206440	factor:OEPA (auto calculate)	0	3E-06	0.	9.69075E-08	9.69075E-08	TONs	
Fluorene	86737	factor:OEPA (auto calculate)	0	2.8E-06	0.	9.0447E-08	9.0447E-08	TONs	
Formaldehyde	50000	factor:OEPA (auto calculate)	0	0.075	0.	0.00242269	0.00242269	TONs	
Hexane, N-	110543	factor:OEPA (auto calculate)	0	1.8	0.	0.0581445	0.0581445	TONs	
Indeno[1,2,3-C,D]Pyrene	193395	factor:OEPA (auto calculate)	0	9E-07	0.	2.90722E-08	2.90722E-08	TONs	
MN - Manganese	7439965	factor:OEPA (auto calculate)	0	3.8E-04	0.	1.2275E-05	1.2275E-05	TONs	
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	factor:OEPA (auto calculate)	0	2.6E-04	0.	8.39865E-06	8.39865E-06	TONs	
Methylcholanthrene, 3-	56495	factor:OEPA (auto calculate)	0	9E-07	0.	2.90722E-08	2.90722E-08	TONs	
Methylnaphthalene, 2-	91576	factor:OEPA (auto calculate)	0	2.4E-05	0.	7.7526E-07	7.7526E-07	TONs	
Naphthalene	91203	factor:OEP	0	6.1E-04	0.	1.97045E-05	1.97045E-05	TONs	

		A (auto calculate)							
Nickel	7440020	factor:OEP A (auto calculate)	0	0.0021	0.	6.78353E-05	6.78353E-05	TONs	
Phenanthrene	85018	factor:OEP A (auto calculate)	0	1.7E-05	0.	5.49143E-07	5.49143E-07	TONs	
Polycyclic Organic Matter	246	factor:OEP A (auto calculate)	0	6.49E-04	0.	2.09643E-05	2.09643E-05	TONs	
Pyrene	129000	factor:OEP A (auto calculate)	0	5E-06	0.	1.61513E-07	1.61513E-07	TONs	
Selenium	7782492	factor:OEP A (auto calculate)	0	1.2E-05	0.	3.8763E-07	3.8763E-07	TONs	
Toluene	108883	factor:OEP A (auto calculate)	0	0.0034	0.	1.09828E-04	1.09828E-04	TONs	

- Process & Emissions Detail

Name: B024-13

Source Classification Code (SCC): 1-02-005-02

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 0

Days Per Week: 0

Weeks Per Year: 0

Hours Per Year: 0

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

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

Variable	Amount	Meaning

HCl	138452	Liquid Heat Content (Btu/gallons)
S	.04	% 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: P087

Oct 11 2011, 10:09:32

Emissions Unit ID: P087

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	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	0	0	0.	TONs	
Organic Compounds	OC	X	1.87	0	1.87	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	.13	0	0.13	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		.13	0	0.13	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		.13	0	0.13	TONs	
VOC - Volatile Organic Compounds	VOC		1.87	0	1.87	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					2	TONS	

- Processes

- Process & Emissions Detail

Name: Wet Oil Machin P087

Source Classification Code (SCC): 3-09-030-99

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 5

Weeks Per Year: 47

Hours Per Year: 5465

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Material	Processed	10125	TONs

- **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	0.	TONs	The machining exhausts are less than 85 degrees F and therefore any condensable emissions are assumed to be included in the filterable emissions and "0" is reported.
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: STACK TEST			1.87	0	1.87	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: STACK TEST			.13	0	0.13	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: STACK TEST			.13	0	0.13	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas

										velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: STACK TEST			.13	0	0.13	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
VOC - Volatile Organic Compounds	VOC		emissions: STACK TEST			1.87	0	1.87	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants								2	TONS	

Emission Unit Summary: P174

Oct 11 2011, 10:09:32

Emissions Unit ID: P174

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	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	4.45	4.45	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	.31	0.31	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	.31	0.31	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	.31	0.31	TONs	
VOC - Volatile Organic Compounds	VOC		0	4.45	4.45	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					4.76	TONS	

- Processes

- Process & Emissions Detail

Name: Wet Oil Machin P174

Source Classification Code (SCC): 3-09-030-99

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 5

Weeks Per Year: 47

Hours Per Year: 5465

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Material	Processed	10125	TONs

- **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	0.	TONs	The machining exhausts are less than 85 degrees F and therefore any condensable emissions are assumed to be included in the filterable emissions and "0" is reported.
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: STACK TEST			0	4.45	4.45	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: STACK TEST			0	.31	0.31	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: STACK TEST			0	.31	0.31	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas

										velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: STACK TEST			0	.31	0.31	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
VOC - Volatile Organic Compounds	VOC		emissions: STACK TEST			0	4.45	4.45	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants								4.76	TONS	

Emission Unit Summary: P183

Oct 11 2011, 10:09:32

Emissions Unit ID: P183

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	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	1.34	1.34	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	.14	0.14	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	.14	0.14	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	.14	0.14	TONs	
VOC - Volatile Organic Compounds	VOC		0	1.34	1.34	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					1.48	TONS	

- Processes

- Process & Emissions Detail

Name: Wet Oil Machin P183

Source Classification Code (SCC): 3-09-030-99

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 5

Weeks Per Year: 47

Hours Per Year: 5465

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Material	Processed	10125	TONs

- **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	0.	TONs	The machining exhausts are less than 85 degrees F and therefore any condensable emissions are assumed to be included in the filterable emissions and "0" is reported.
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: STACK TEST			0	1.34	1.34	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: STACK TEST			0	.14	0.14	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: STACK TEST			0	.14	0.14	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas

										velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: STACK TEST			0	.14	0.14	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
VOC - Volatile Organic Compounds	VOC		emissions: STACK TEST			0	1.34	1.34	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants								1.48	TONS	

Emission Unit Summary: P184

Oct 11 2011, 10:09:32

Emissions Unit ID: P184

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	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	1.63	1.63	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	.20	0.2	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	.20	0.2	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	.20	0.2	TONs	
VOC - Volatile Organic Compounds	VOC		0	1.63	1.63	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					1.83	TONS	

- Processes

- Process & Emissions Detail

Name: Wet Oil Machin P184

Source Classification Code (SCC): 3-09-030-99

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 5

Weeks Per Year: 47

Hours Per Year: 5465

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Material	Processed	10125	TONs

- **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	0.	TONs	The machining exhausts are less than 85 degrees F and therefore any condensable emissions are assumed to be included in the filterable emissions and "0" is reported.
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: STACK TEST			0	1.63	1.63	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: STACK TEST			0	.20	0.2	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: STACK TEST			0	.20	0.2	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas

										velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: STACK TEST			0	.20	0.2	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
VOC - Volatile Organic Compounds	VOC		emissions: STACK TEST			0	1.63	1.63	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants								1.83	TONS	

Emission Unit Summary: P185

Oct 11 2011, 10:09:32

Emissions Unit ID: P185

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	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	1.63	1.63	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	.20	0.2	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	.20	0.2	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	.20	0.2	TONs	
VOC - Volatile Organic Compounds	VOC		0	1.63	1.63	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					1.83	TONS	

- Processes

- Process & Emissions Detail

Name: Wet Oil Machin P185

Source Classification Code (SCC): 3-09-030-99

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 5

Weeks Per Year: 47

Hours Per Year: 5465

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Material	Processed	10125	TONs

- **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	0.	TONs	The machining exhausts are less than 85 degrees F and therefore any condensable emissions are assumed to be included in the filterable emissions and "0" is reported.
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: STACK TEST			0	1.63	1.63	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: STACK TEST			0	.20	0.2	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: STACK TEST			0	.20	0.2	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas

										velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: STACK TEST			0	.20	0.2	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
VOC - Volatile Organic Compounds	VOC		emissions: STACK TEST			0	1.63	1.63	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants								1.83	TONS	

Emission Unit Summary: P186

Oct 11 2011, 10:09:32

Emissions Unit ID: P186

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	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	1.39	1.39	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	.13	0.13	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	.13	0.13	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	.13	0.13	TONs	
VOC - Volatile Organic Compounds	VOC		0	1.39	1.39	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					1.52	TONS	

- Processes

- Process & Emissions Detail

Name: Wet Oil Machin P186

Source Classification Code (SCC): 3-09-030-99

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 5

Weeks Per Year: 47

Hours Per Year: 5465

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Material	Processed	10125	TONs

- **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	0.	TONs	The machining exhausts are less than 85 degrees F and therefore any condensable emissions are assumed to be included in the filterable emissions and "0" is reported.
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: STACK TEST			0	1.39	1.39	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: STACK TEST			0	.13	0.13	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: STACK TEST			0	.13	0.13	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas

										velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: STACK TEST			0	.13	0.13	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
VOC - Volatile Organic Compounds	VOC		emissions: STACK TEST			0	1.39	1.39	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants								1.52	TONS	

Emission Unit Summary: P187

Oct 11 2011, 10:09:32

Emissions Unit ID: P187

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	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	1.57	1.57	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	.13	0.13	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	.13	0.13	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	.13	0.13	TONs	
VOC - Volatile Organic Compounds	VOC		0	1.57	1.57	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					1.7	TONS	

- Processes

- Process & Emissions Detail

Name: Wet Oil Machin P187

Source Classification Code (SCC): 3-09-030-99

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 5

Weeks Per Year: 47

Hours Per Year: 5465

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Material	Processed	10125	TONs

- **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	0.	TONs	The machining exhausts are less than 85 degrees F and therefore any condensable emissions are assumed to be included in the filterable emissions and "0" is reported.
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: STACK TEST			0	1.57	1.57	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: STACK TEST			0	.13	0.13	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: STACK TEST			0	.13	0.13	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas

										velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: STACK TEST			0	.13	0.13	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
VOC - Volatile Organic Compounds	VOC		emissions: STACK TEST			0	1.57	1.57	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants								1.7	TONS	

Emission Unit Summary: P193

Oct 11 2011, 10:09:32

Emissions Unit ID: P193

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	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	2.81	2.81	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	.20	0.2	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	.20	0.2	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	.20	0.2	TONs	
VOC - Volatile Organic Compounds	VOC		0	2.81	2.81	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					3.01	TONS	

- Processes

- Process & Emissions Detail

Name: Wet Oil Machin P193

Source Classification Code (SCC): 3-09-030-99

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 5

Weeks Per Year: 47

Hours Per Year: 5465

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Material	Processed	10125	TONs

- **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	0.	TONs	The machining exhausts are less than 85 degrees F and therefore any condensable emissions are assumed to be included in the filterable emissions and "0" is reported.
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: STACK TEST			0	2.81	2.81	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: STACK TEST			0	.20	0.2	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: STACK TEST			0	.20	0.2	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas

										velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: STACK TEST			0	.20	0.2	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
VOC - Volatile Organic Compounds	VOC		emissions: STACK TEST			0	2.81	2.81	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants								3.01	TONS	

Emission Unit Summary: P196

Oct 11 2011, 10:09:32

Emissions Unit ID: P196

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	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	1.31	1.31	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	.13	0.13	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	.13	0.13	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	.13	0.13	TONs	
VOC - Volatile Organic Compounds	VOC		0	1.31	1.31	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					1.44	TONS	

- Processes

- Process & Emissions Detail

Name: Wet Oil Mach P196

Source Classification Code (SCC): 3-09-030-99

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 5

Weeks Per Year: 47

Hours Per Year: 5465

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Material	Processed	10125	TONs

- **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	0.	TONs	The machining exhausts are less than 85 degrees F and therefore any condensable emissions are assumed to be included in the filterable emissions and "0" is reported.
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: STACK TEST			0	1.31	1.31	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: STACK TEST			0	.13	0.13	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: STACK TEST			0	.13	0.13	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas

										velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: STACK TEST			0	.13	0.13	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
VOC - Volatile Organic Compounds	VOC		emissions: STACK TEST			0	1.31	1.31	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants								1.44	TONS	

Emission Unit Summary: P197

Oct 11 2011, 10:09:32

Emissions Unit ID: P197

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	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	3.98	3.98	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	.28	0.28	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	.28	0.28	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	.28	0.28	TONs	
VOC - Volatile Organic Compounds	VOC		0	3.98	3.98	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					4.26	TONS	

- Processes

- Process & Emissions Detail

Name: Wet Oil Machin P197

Source Classification Code (SCC): 3-09-030-99

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 5

Weeks Per Year: 47

Hours Per Year: 5465

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Material	Processed	10125	TONs

- **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	0.	TONs	The machining exhausts are less than 85 degrees F and therefore any condensable emissions are assumed to be included in the filterable emissions and "0" is reported.
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: STACK TEST			0	3.98	3.98	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: STACK TEST			0	.28	0.28	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: STACK TEST			0	.28	0.28	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas

										velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: STACK TEST			0	.28	0.28	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
VOC - Volatile Organic Compounds	VOC		emissions: STACK TEST			0	3.98	3.98	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants								4.26	TONS	

Emission Unit Summary: P200

Oct 11 2011, 10:09:32

Emissions Unit ID: P200

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	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	2.53	2.53	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	.20	0.2	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	.20	0.2	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	.20	0.2	TONs	
VOC - Volatile Organic Compounds	VOC		0	2.53	2.53	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					2.73	TONS	

- Processes

- Process & Emissions Detail

Name: Wet Oil Machin P200

Source Classification Code (SCC): 3-09-030-99

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 5

Weeks Per Year: 47

Hours Per Year: 5465

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Material	Processed	10125	TONs

- **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	0.	TONs	The machining exhausts are less than 85 degrees F and therefore any condensable emissions are assumed to be included in the filterable emissions and "0" is reported.
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: STACK TEST			0	2.53	2.53	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: STACK TEST			0	.20	0.2	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: STACK TEST			0	.20	0.2	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas

										velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: STACK TEST			0	.20	0.2	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
VOC - Volatile Organic Compounds	VOC		emissions: STACK TEST			0	2.53	2.53	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants								2.73	TONS	

Emission Unit Summary: P209

Oct 11 2011, 10:09:32

Emissions Unit ID: P209

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	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	1.41	1.41	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	.10	0.1	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	.10	0.1	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	.10	0.1	TONs	
VOC - Volatile Organic Compounds	VOC		0	1.41	1.41	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					1.51	TONS	

- Processes

- Process & Emissions Detail

Name: P209-37

Source Classification Code (SCC): 3-09-020-99

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 5

Weeks Per Year: 47

Hours Per Year: 5465

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Product	Produced	10125	TONs

- **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	0.	TONs	The machining exhausts are less than 85 degrees F and therefore any condensable emissions are assumed to be included in the filterable emissions and "0" is reported.
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: STACK TEST			0	1.41	1.41	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: STACK TEST			0	.10	0.1	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: STACK TEST			0	.10	0.1	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas

										velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: STACK TEST			0	.10	0.1	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
VOC - Volatile Organic Compounds	VOC		emissions: STACK TEST			0	1.41	1.41	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants								1.51	TONS	

Emission Unit Summary: P210

Oct 11 2011, 10:09:32

Emissions Unit ID: P210

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	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	1.41	1.41	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	.10	0.1	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	.10	0.1	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	.10	0.1	TONs	
VOC - Volatile Organic Compounds	VOC		0	1.41	1.41	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					1.51	TONS	

- Processes

- Process & Emissions Detail

Name: P210-38

Source Classification Code (SCC): 3-09-020-99

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 5

Weeks Per Year: 47

Hours Per Year: 5465

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Product	Produced	10125	TONs

- **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	0.	TONs	The machining exhausts are less than 85 degrees F and therefore any condensable emissions are assumed to be included in the filterable emissions and "0" is reported.
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: STACK TEST			0	1.41	1.41	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: STACK TEST			0	.10	0.1	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: STACK TEST			0	.10	0.1	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas

										velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: STACK TEST			0	.10	0.1	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
VOC - Volatile Organic Compounds	VOC		emissions: STACK TEST			0	1.41	1.41	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants								1.51	TONS	

Emission Unit Summary: P212

Oct 11 2011, 10:09:32

Emissions Unit ID: P212

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		0.290415	0.	0.290415	TONs	
SO2 - Sulfur Dioxide	SO2	X	0.03057	0.	0.03057	TONs	
NOx - Nitrogen Oxides	NOX	X	9.233	0.	9.233	TONs	
Organic Compounds	OC	X	2.66045	0.	2.66045	TONs	
Pb - Lead	7439921	X	2.5475E-05	0.	2.5475E-05	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.096805	0.	0.096805	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.096805	0.	0.096805	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.096805	0.	0.096805	TONs	
VOC - Volatile Organic Compounds	VOC		2.24266	0.	2.24266	TONs	
Ammonia	NH3		0.	0.	0.	TONs	
CO - Carbon Monoxide	CO		4.6398	0.	4.6398	TONs	
Total of Chargable Pollutants					12.0209	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	4.5855E-08	0.	4.5855E-08	TONs
Acenaphthylene	208968	4.5855E-08	0.	4.5855E-08	TONs
Acetaldehyde	75070	0.00106558	0.	0.00106558	TONs
Acrolein	107028	9.171E-04	0.	9.171E-04	TONs
Anthracene	120127	6.114E-08	0.	6.114E-08	TONs
Arsenic	7440382	1.54218E-05	0.	1.54218E-05	TONs

Benz[A]Anthracene	56553	8.33044E-07	0.	8.33044E-07	TONs
Benzene	71432	1.34233E-04	0.	1.34233E-04	TONs
Benzo[A]Pyrene	50328	2.4527E-06	0.	2.4527E-06	TONs
Benzo[B]Fluoranthene	205992	4.5855E-08	0.	4.5855E-08	TONs
Benzo[G,H,I,]Perylene	191242	0.106995	0.	0.106995	TONs
Benzo[K]Fluoranthene	207089	4.5855E-08	0.	4.5855E-08	TONs
Beryllium	7440417	3.057E-07	0.	3.057E-07	TONs
Cadmium	7440439	6.34083E-05	0.	6.34083E-05	TONs
Chlorobenzene	108907	5.13055E-07	0.	5.13055E-07	TONs
Chloroform	67663	1.67896E-07	0.	1.67896E-07	TONs
Chromium	7440473	1.00238E-04	0.	1.00238E-04	TONs
Chromium (VI)	18540299	4.03284E-08	0.	4.03284E-08	TONs
Chrysene	218019	8.33044E-07	0.	8.33044E-07	TONs
Cobalt	7440484	4.2798E-06	0.	4.2798E-06	TONs
Dibenzo[A,H]Anthracene	53703	3.057E-08	0.	3.057E-08	TONs
Dimethylbenz[A]Anthracene, 7,12-	57976	4.076E-07	0.	4.076E-07	TONs
Ethylene Dichloride (Dichloroethane, 1,2-)	107062	8.43084E-07	0.	8.43084E-07	TONs
Fluoranthene	206440	1.61824E-06	0.	1.61824E-06	TONs
Fluorene	86737	1.4266E-07	0.	1.4266E-07	TONs
Formaldehyde	50000	0.00383163	0.	0.00383163	TONs
Hexane, N-	110543	0.09171	0.	0.09171	TONs
Indeno[1,2,3-C,D]Pyrene	193395	4.5855E-08	0.	4.5855E-08	TONs
MN - Manganese	7439965	3.06383E-04	0.	3.06383E-04	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	1.65532E-05	0.	1.65532E-05	TONs
Methyl Chloroform (1,1,1-Trichloroethane)	71556	1.64705E-05	0.	1.64705E-05	TONs
Methylcholanthrene, 3-	56495	4.5855E-08	0.	4.5855E-08	TONs
Methylnaphthalene, 2-	91576	1.2228E-06	0.	1.2228E-06	TONs
Naphthalene	91203	3.19298E-05	0.	3.19298E-05	TONs
Nickel	7440020	2.04001E-04	0.	2.04001E-04	TONs
Phenanthrene	85018	8.6615E-07	0.	8.6615E-07	TONs
Polycyclic Organic Matter	246	3.30666E-05	0.	3.30666E-05	TONs

Pyrene	129000	2.5475E-07	0.	2.5475E-07	TONs
Selenium	7782492	6.114E-07	0.	6.114E-07	TONs
Tetrachloroethylene (Perchloroethylene)	127184	3.80274E-04	0.	3.80274E-04	TONs
Toluene	108883	2.5898E-04	0.	2.5898E-04	TONs
Trichloroethylene	79016	8.28673E-06	0.	8.28673E-06	TONs
Xylene, O-	95476	4.78469E-06	0.	4.78469E-06	TONs
Xylenes (Isomers and Mixture)	1330207	1.18176E-05	0.	1.18176E-05	TONs

- Processes

- Process & Emissions Detail

Name: NG Combustion

Source Classification Code (SCC): 3-04-900-03

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 5

Weeks Per Year: 30

Hours Per Year: 3600

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Natural Gas	Burned	101.9	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	PM-CON		factor:OEPA (auto calculate)	0	5.7	0.290415	0.	0.290415	TONs	

Portion Only (All Less than 1 Micron)										
SO2 - Sulfur Dioxide	SO2	X	factor:OEPA (auto calculate)	0	0.6	0.03057	0.	0.03057	TONs	
NOx - Nitrogen Oxides	NOX	X	factor:OEPA (auto calculate)	0	140	7.133	0.	7.133	TONs	
Organic Compounds	OC	X	factor:OEPA (auto calculate)	0	11	0.56045	0.	0.56045	TONs	
Pb - Lead	7439921	X	factor:OEPA (auto calculate)	0	5E-04	2.5475E-05	0.	2.5475E-05	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	factor:OEPA (auto calculate)	0	1.9	0.096805	0.	0.096805	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		factor:OEPA (auto calculate)	0	1.9	0.096805	0.	0.096805	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		factor:OEPA (auto calculate)	0	1.9	0.096805	0.	0.096805	TONs	
VOC - Volatile Organic Compounds	VOC		factor:OEPA (auto calculate)	0	2.8	0.14266	0.	0.14266	TONs	
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	No NH3 emissions since no uncontrolled emission factors located in WebFIRE, U.S. EPA.
CO - Carbon Monoxide	CO		factor:OEPA (auto calculate)	0	84	4.2798	0.	4.2798	TONs	
Total of Chargable Pollutants								7.82085	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
Acenaphthene	83329	factor:OEPA (auto calculate)	0	9E-07	4.5855E-08	0.	4.5855E-08	TONs	
Acenaphthylene	208968	factor:OEPA (auto calculate)	0	9E-07	4.5855E-08	0.	4.5855E-08	TONs	
Acetaldehyde	75070	factor:OEPA (auto calculate)	0	0.0209	0.00106486	0.	0.00106486	TONs	
Acrolein	107028	factor:OEPA (auto calculate)	0	0.018	9.171E-04	0.	9.171E-04	TONs	
Anthracene	120127	factor:OEPA (auto calculate)	0	1.2E-06	6.114E-08	0.	6.114E-08	TONs	
Arsenic	7440382	factor:OEPA (auto calculate)	0	2E-04	1.019E-05	0.	1.019E-05	TONs	
Benz[A]Anthracene	56553	factor:OEPA (auto calculate)	0	9E-07	4.5855E-08	0.	4.5855E-08	TONs	
Benzene	71432	factor:OEPA (auto calculate)	0	0.0021	1.06995E-04	0.	1.06995E-04	TONs	
Benzo[A]Pyrene	50328	factor:OEPA (auto calculate)	0	6E-07	3.057E-08	0.	3.057E-08	TONs	
Benzo[B]Fluoranthene	205992	factor:OEPA (auto calculate)	0	9E-07	4.5855E-08	0.	4.5855E-08	TONs	
Benzo[G,H,I,]Perylene	191242	factor:OEPA (auto calculate)	0	2.1	0.106995	0.	0.106995	TONs	
Benzo[K]Fluoranthene	207089	factor:OEPA (auto	0	9E-07	4.5855E-08	0.	4.5855E-08	TONs	

		calculate)							
Beryllium	7440417	factor:OEPA (auto calculate)	0	6E-06	3.057E-07	0.	3.057E-07	TONs	
Cadmium	7440439	factor:OEPA (auto calculate)	0	0.0011	5.6045E-05	0.	5.6045E-05	TONs	
Chromium	7440473	factor:OEPA (auto calculate)	0	0.0014	7.133E-05	0.	7.133E-05	TONs	
Chrysene	218019	factor:OEPA (auto calculate)	0	9E-07	4.5855E-08	0.	4.5855E-08	TONs	
Cobalt	7440484	factor:OEPA (auto calculate)	0	8.4E-05	4.2798E-06	0.	4.2798E-06	TONs	
Dibenzo[A,H]Anthracene	53703	factor:OEPA (auto calculate)	0	6E-07	3.057E-08	0.	3.057E-08	TONs	
Dimethylbenz[A]Anthracene, 7,12-	57976	factor:OEPA (auto calculate)	0	8E-06	4.076E-07	0.	4.076E-07	TONs	
Fluoranthene	206440	factor:OEPA (auto calculate)	0	3E-06	1.5285E-07	0.	1.5285E-07	TONs	
Fluorene	86737	factor:OEPA (auto calculate)	0	2.8E-06	1.4266E-07	0.	1.4266E-07	TONs	
Formaldehyde	50000	factor:OEPA (auto calculate)	0	0.075	0.00382125	0.	0.00382125	TONs	
Hexane, N-	110543	factor:OEPA (auto calculate)	0	1.8	0.09171	0.	0.09171	TONs	
Indeno[1,2,3-C,D]Pyrene	193395	factor:OEPA (auto calculate)	0	9E-07	4.5855E-08	0.	4.5855E-08	TONs	
MN - Manganese	7439965	factor:OEPA (auto calculate)	0	3.8E-04	1.9361E-05	0.	1.9361E-05	TONs	
Mercury, as HG; Alkyl & Aryl	7439976	factor:OEPA (auto	0	2.6E-04	1.3247E-05	0.	1.3247E-05	TONs	

CMPNDS; Elemental & Inorganic Forms		calculate)							
Methylcholanthrene, 3-	56495	factor:OEPA (auto calculate)	0	9E-07	4.5855E-08	0.	4.5855E-08	TONs	
Methylnaphthalene, 2-	91576	factor:OEPA (auto calculate)	0	2.4E-05	1.2228E-06	0.	1.2228E-06	TONs	
Naphthalene	91203	factor:OEPA (auto calculate)	0	6.1E-04	3.10795E-05	0.	3.10795E-05	TONs	
Nickel	7440020	factor:OEPA (auto calculate)	0	0.0021	1.06995E-04	0.	1.06995E-04	TONs	
Phenanthrene	85018	factor:OEPA (auto calculate)	0	1.7E-05	8.6615E-07	0.	8.6615E-07	TONs	
Polycyclic Organic Matter	246	factor:OEPA (auto calculate)	0	6.49E-04	3.30666E-05	0.	3.30666E-05	TONs	
Pyrene	129000	factor:OEPA (auto calculate)	0	5E-06	2.5475E-07	0.	2.5475E-07	TONs	
Selenium	7782492	factor:OEPA (auto calculate)	0	1.2E-05	6.114E-07	0.	6.114E-07	TONs	
Toluene	108883	factor:OEPA (auto calculate)	0	0.0034	1.7323E-04	0.	1.7323E-04	TONs	

- Process & Emissions Detail

Name: Carb Furnaces

Source Classification Code (SCC): 3-04-900-34

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 5

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Weeks Per Year: 33 | Summer (June-Aug)%: 25

Hours Per Year: 3495 | Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Process Gas	Burned	1.091	MILLION CUBIC FEET

Variable	Amount	Meaning
HCg	2220.1	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	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	emissions: STACK TEST			2.10	0	2.1	TONs	Emission Factor is 0.15 lb/hour.
Organic Compounds	OC	X	emissions: STACK TEST			2.10	0	2.1	TONs	Emission Factor is 0.15 lb/hour.
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,	PM25-FIL		emissions: ENG.			0	0	0.	TONs	

Filterable Portion Only			JUDGEMENT							
VOC - Volatile Organic Compounds	VOC		emissions: STACK TEST			2.10	0	2.1	TONs	Emission Factor is 0.15 lb/hour.
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: STACK TEST			0.36	0	0.36	TONs	Emission Factor is 0.026 lb/hour.
Total of Chargable Pollutants								4.2	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)	0	0.022201	7.20583E-07	0.	7.20583E-07	TONs	
Arsenic	7440382	factor:OEPA (auto calculate)	0	0.00959083	5.2318E-06	0.	5.2318E-06	TONs	
Benz[A]Anthracene	56553	factor:OEPA (auto calculate)	0	0.00144306	7.87189E-07	0.	7.87189E-07	TONs	
Benzene	71432	factor:OEPA (auto calculate)	0	0.839198	2.72381E-05	0.	2.72381E-05	TONs	
Benzo[A]Pyrene	50328	factor:OEPA (auto calculate)	0	0.0044402	2.42213E-06	0.	2.42213E-06	TONs	
Cadmium	7440439	factor:OEPA (auto calculate)	0	0.0134982	7.36327E-06	0.	7.36327E-06	TONs	

Chlorobenzene	108907	factor:OEPA (auto calculate)	0	0.0158071	5.13055E-07	0.	5.13055E-07	TONs	
Chloroform	67663	factor:OEPA (auto calculate)	0	0.00517283	1.67896E-07	0.	1.67896E-07	TONs	
Chromium	7440473	factor:OEPA (auto calculate)	0	0.0529938	2.89081E-05	0.	2.89081E-05	TONs	
Chromium (VI)	18540299	factor:OEPA (auto calculate)	0	7.39293E-05	4.03284E-08	0.	4.03284E-08	TONs	
Chrysene	218019	factor:OEPA (auto calculate)	0	0.00144306	7.87189E-07	0.	7.87189E-07	TONs	
Ethylene Dichloride (Dichloroethane, 1,2-)	107062	factor:OEPA (auto calculate)	0	0.0259752	8.43084E-07	0.	8.43084E-07	TONs	
Fluoranthene	206440	factor:OEPA (auto calculate)	0	0.00268632	1.46539E-06	0.	1.46539E-06	TONs	
Formaldehyde	50000	factor:OEPA (auto calculate)	0	0.319694	1.03764E-05	0.	1.03764E-05	TONs	
MN - Manganese	7439965	factor:OEPA (auto calculate)	0	0.526164	2.87022E-04	0.	2.87022E-04	TONs	
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	factor:OEPA (auto calculate)	0	0.00606087	3.3062E-06	0.	3.3062E-06	TONs	
Methyl Chloroform (1,1,1-Trichloroethane)	71556	factor:OEPA (auto calculate)	0	0.0301934	1.64705E-05	0.	1.64705E-05	TONs	
Naphthalene	91203	factor:OEPA (auto calculate)	0	0.0261972	8.50289E-07	0.	8.50289E-07	TONs	
Nickel	7440020	factor:OEPA (auto	0	0.17783	9.70063E-05	0.	9.70063E-05	TONs	

		calculate)							
Tetrachloroethylene (Perchloroethylene)	127184	factor:OEPA (auto calculate)	0	0.697111	3.80274E-04	0.	3.80274E-04	TONs	
Toluene	108883	factor:OEPA (auto calculate)	0	2.64192	8.57495E-05	0.	8.57495E-05	TONs	
Trichloroethylene	79016	factor:OEPA (auto calculate)	0	0.255312	8.28673E-06	0.	8.28673E-06	TONs	
Xylene, O-	95476	factor:OEPA (auto calculate)	0	0.147415	4.78469E-06	0.	4.78469E-06	TONs	
Xylenes (Isomers and Mixture)	1330207	factor:OEPA (auto calculate)	0	0.364096	1.18176E-05	0.	1.18176E-05	TONs	

Emission Unit Summary: P219

Oct 11 2011, 10:09:32

Emissions Unit ID: P219

Forced 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	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	0	0	0.	TONs	
Organic Compounds	OC	X	0	0	0.	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	5.11	0	5.11	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		5.11	0	5.11	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		5.11	0	5.11	TONs	
VOC - Volatile Organic Compounds	VOC		0	0	0.	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					5.11	TONS	

- Processes

- Process & Emissions Detail

Name: Shot Blasters P219

Source Classification Code (SCC): 3-09-030-99

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 5

Weeks Per Year: 47

Hours Per Year: 5866

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Material	Processed	46.8	TONs

- **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	0.	TONs	The shot blast exhausts are less than 85 degrees F and therefore any condensable emissions are assumed to be included in the filterable emissions and "0" is reported
SO2 - Sulfur Dioxide	SO2	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: STACK TEST			5.11	0	5.11	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: STACK TEST			5.11	0	5.11	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.

PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: STACK TEST			5.11	0	5.11	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants								5.11	TONS	

Emission Unit Summary: P223

Oct 11 2011, 10:09:32

Emissions Unit ID: P223

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	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	0.0368241	0.	0.0368241	TONs	
NOx - Nitrogen Oxides	NOX	X	6.13735	0.	6.13735	TONs	
Organic Compounds	OC	X	0.675109	0.	0.675109	TONs	
Pb - Lead	7439921	X	3.06868E-05	0.	3.06868E-05	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.18412	0.	0.18412	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.18412	0.	0.18412	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.18412	0.	0.18412	TONs	
VOC - Volatile Organic Compounds	VOC		0.32528	0.	0.32528	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		1.22747	0.	1.22747	TONs	
Total of Chargable Pollutants					7.03343	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	5.52361E-08	0.	5.52361E-08	TONs
Acenaphthylene	208968	5.52361E-08	0.	5.52361E-08	TONs
Acetaldehyde	75070	0.00128271	0.	0.00128271	TONs
Acrolein	107028	0.00110472	0.	0.00110472	TONs
Anthracene	120127	7.36482E-08	0.	7.36482E-08	TONs
Arsenic	7440382	1.22747E-05	0.	1.22747E-05	TONs

Benz[A]Anthracene	56553	5.52361E-08	0.	5.52361E-08	TONs
Benzene	71432	1.28884E-04	0.	1.28884E-04	TONs
Benzo[A]Pyrene	50328	3.68241E-08	0.	3.68241E-08	TONs
Benzo[B]Fluoranthene	205992	5.52361E-08	0.	5.52361E-08	TONs
Benzo[G,H,I,]Perylene	191242	0.128884	0.	0.128884	TONs
Benzo[K]Fluoranthene	207089	5.52361E-08	0.	5.52361E-08	TONs
Beryllium	7440417	3.68241E-07	0.	3.68241E-07	TONs
Cadmium	7440439	6.75108E-05	0.	6.75108E-05	TONs
Chromium	7440473	8.59229E-05	0.	8.59229E-05	TONs
Chrysene	218019	5.52361E-08	0.	5.52361E-08	TONs
Cobalt	7440484	5.15537E-06	0.	5.15537E-06	TONs
Dibenzo[A,H]Anthracene	53703	3.68241E-08	0.	3.68241E-08	TONs
Dimethylbenz[A]Anthracene, 7,12-	57976	4.90988E-07	0.	4.90988E-07	TONs
Fluoranthene	206440	1.8412E-07	0.	1.8412E-07	TONs
Fluorene	86737	1.71846E-07	0.	1.71846E-07	TONs
Formaldehyde	50000	0.00460301	0.	0.00460301	TONs
Hexane, N-	110543	0.110472	0.	0.110472	TONs
Indeno[1,2,3-C,D]Pyrene	193395	5.52361E-08	0.	5.52361E-08	TONs
MN - Manganese	7439965	2.33219E-05	0.	2.33219E-05	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	1.59571E-05	0.	1.59571E-05	TONs
Methylcholanthrene, 3-	56495	5.52361E-08	0.	5.52361E-08	TONs
Methylnaphthalene, 2-	91576	1.47296E-06	0.	1.47296E-06	TONs
Naphthalene	91203	3.74378E-05	0.	3.74378E-05	TONs
Nickel	7440020	1.28884E-04	0.	1.28884E-04	TONs
Phenanthrene	85018	1.04335E-06	0.	1.04335E-06	TONs
Polycyclic Organic Matter	246	3.98314E-05	0.	3.98314E-05	TONs
Pyrene	129000	3.06868E-07	0.	3.06868E-07	TONs
Selenium	7782492	7.36482E-07	0.	7.36482E-07	TONs
Toluene	108883	2.0867E-04	0.	2.0867E-04	TONs

- **Processes**

- Process & Emissions Detail

Name: Blr/Htr <10 mmbtu/hr

Source Classification Code (SCC): 1-05-001-06

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 9

Days Per Week: 7

Weeks Per Year: 26

Hours Per Year: 1664

Winter (Dec - Feb)%: 49

Spring (March-May)%: 11

Summer (June-Aug)%: 4

Fall (Sept-Nov)%: 36

Material	Material Action	Throughput	X Units
Natural Gas	Burned	122.747	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	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	factor:OEPA (auto calculate)	0	0.6	0.0368241	0.	0.0368241	TONs	
NOx - Nitrogen Oxides	NOX	X	factor:OEPA (auto calculate)	0	100	6.13735	0.	6.13735	TONs	
Organic Compounds	OC	X	factor:OEPA (auto	0	11	0.675109	0.	0.675109	TONs	

			calculate)							
Pb - Lead	7439921	X	factor:OEPA (auto calculate)	0	5E-04	3.06868E-05	0.	3.06868E-05	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	factor:OEPA (auto calculate)	0	3	0.18412	0.	0.18412	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		factor:OEPA (auto calculate)	0	3	0.18412	0.	0.18412	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		factor:OEPA (auto calculate)	0	3	0.18412	0.	0.18412	TONs	
VOC - Volatile Organic Compounds	VOC		factor:OEPA (auto calculate)	0	5.3	0.32528	0.	0.32528	TONs	
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	Available emission factor (lb/MMCF) only applicable to controlled emission units (AP-42, 5th Ed., Table 1.4, July 1998).
CO - Carbon Monoxide	CO		factor:OEPA (auto calculate)	0	20	1.22747	0.	1.22747	TONs	
Total of Chargable Pollutants								7.03343	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
Acenaphthene	83329	factor:OEPA (auto calculate)	0	9E-07	5.52361E-08	0.	5.52361E-08	TONs	

Acenaphthylene	208968	factor:OEPA (auto calculate)	0	9E-07	5.52361E-08	0.	5.52361E-08	TONs	
Acetaldehyde	75070	factor:OEPA (auto calculate)	0	0.0209	0.00128271	0.	0.00128271	TONs	
Acrolein	107028	factor:OEPA (auto calculate)	0	0.018	0.00110472	0.	0.00110472	TONs	
Anthracene	120127	factor:OEPA (auto calculate)	0	1.2E-06	7.36482E-08	0.	7.36482E-08	TONs	
Arsenic	7440382	factor:OEPA (auto calculate)	0	2E-04	1.22747E-05	0.	1.22747E-05	TONs	
Benz[A]Anthracene	56553	factor:OEPA (auto calculate)	0	9E-07	5.52361E-08	0.	5.52361E-08	TONs	
Benzene	71432	factor:OEPA (auto calculate)	0	0.0021	1.28884E-04	0.	1.28884E-04	TONs	
Benzo[A]Pyrene	50328	factor:OEPA (auto calculate)	0	6E-07	3.68241E-08	0.	3.68241E-08	TONs	
Benzo[B]Fluoranthene	205992	factor:OEPA (auto calculate)	0	9E-07	5.52361E-08	0.	5.52361E-08	TONs	
Benzo[G,H,I,]Perylene	191242	factor:OEPA (auto calculate)	0	2.1	0.128884	0.	0.128884	TONs	
Benzo[K]Fluoranthene	207089	factor:OEPA (auto calculate)	0	9E-07	5.52361E-08	0.	5.52361E-08	TONs	
Beryllium	7440417	factor:OEPA (auto calculate)	0	6E-06	3.68241E-07	0.	3.68241E-07	TONs	
Cadmium	7440439	factor:OEPA (auto calculate)	0	0.0011	6.75108E-05	0.	6.75108E-05	TONs	
Chromium	7440473	factor:OEPA (auto calculate)	0	0.0014	8.59229E-05	0.	8.59229E-05	TONs	

Chrysene	218019	factor:OEPA (auto calculate)	0	9E-07	5.52361E-08	0.	5.52361E-08	TONs	
Cobalt	7440484	factor:OEPA (auto calculate)	0	8.4E-05	5.15537E-06	0.	5.15537E-06	TONs	
Dibenzo[A,H]Anthracene	53703	factor:OEPA (auto calculate)	0	6E-07	3.68241E-08	0.	3.68241E-08	TONs	
Dimethylbenz[A]Anthracene, 7,12-	57976	factor:OEPA (auto calculate)	0	8E-06	4.90988E-07	0.	4.90988E-07	TONs	
Fluoranthene	206440	factor:OEPA (auto calculate)	0	3E-06	1.8412E-07	0.	1.8412E-07	TONs	
Fluorene	86737	factor:OEPA (auto calculate)	0	2.8E-06	1.71846E-07	0.	1.71846E-07	TONs	
Formaldehyde	50000	factor:OEPA (auto calculate)	0	0.075	0.00460301	0.	0.00460301	TONs	
Hexane, N-	110543	factor:OEPA (auto calculate)	0	1.8	0.110472	0.	0.110472	TONs	
Indeno[1,2,3-C,D]Pyrene	193395	factor:OEPA (auto calculate)	0	9E-07	5.52361E-08	0.	5.52361E-08	TONs	
MN - Manganese	7439965	factor:OEPA (auto calculate)	0	3.8E-04	2.33219E-05	0.	2.33219E-05	TONs	
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	factor:OEPA (auto calculate)	0	2.6E-04	1.59571E-05	0.	1.59571E-05	TONs	
Methylcholanthrene, 3-	56495	factor:OEPA (auto calculate)	0	9E-07	5.52361E-08	0.	5.52361E-08	TONs	
Methylnaphthalene, 2-	91576	factor:OEPA (auto calculate)	0	2.4E-05	1.47296E-06	0.	1.47296E-06	TONs	
Naphthalene	91203	factor:OEP	0	6.1E-04	3.74378E-05	0.	3.74378E-05	TONs	

		A (auto calculate)							
Nickel	7440020	factor:OEP A (auto calculate)	0	0.0021	1.28884E-04	0.	1.28884E-04	TONs	
Phenanthrene	85018	factor:OEP A (auto calculate)	0	1.7E-05	1.04335E-06	0.	1.04335E-06	TONs	
Polycyclic Organic Matter	246	factor:OEP A (auto calculate)	0	6.49E-04	3.98314E-05	0.	3.98314E-05	TONs	
Pyrene	129000	factor:OEP A (auto calculate)	0	5E-06	3.06868E-07	0.	3.06868E-07	TONs	
Selenium	7782492	factor:OEP A (auto calculate)	0	1.2E-05	7.36482E-07	0.	7.36482E-07	TONs	
Toluene	108883	factor:OEP A (auto calculate)	0	0.0034	2.0867E-04	0.	2.0867E-04	TONs	

Emission Unit Summary: P228

Oct 11 2011, 10:09:32

Emissions Unit ID: P228

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.	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	0	0	0.	TONs	
Organic Compounds	OC	X	12.68	0	12.68	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	.89	0	0.89	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		.89	0	0.89	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		.89	0	0.89	TONs	
VOC - Volatile Organic Compounds	VOC		12.68	0	12.68	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					13.57	TONS	

- Processes

- Process & Emissions Detail

Name: Demin Strt Oil Mach

Source Classification Code (SCC): 3-09-030-99

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 5

Weeks Per Year: 47

Hours Per Year: 5465

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Material	Processed	10125	TONs

- **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:ENG. JUDGEMENT	0	0.	0.	0.	0.	TONs	The machining exhausts are less than 85 degrees F and therefore any condensable emissions are assumed to be included in the filterable emissions and "0" is reported.
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: STACK TEST			12.68	0	12.68	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: STACK TEST			.89	0	0.89	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: STACK TEST			.89	0	0.89	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas

										velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: STACK TEST			.89	0	0.89	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
VOC - Volatile Organic Compounds	VOC		emissions: STACK TEST			12.68	0	12.68	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants								13.57	TONS	

Emission Unit Summary: P229

Oct 11 2011, 10:09:32

Emissions Unit ID: P229

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	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	0	0	0.	TONs	
Organic Compounds	OC	X	27.3	0	27.3	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	4.35	0	4.35	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		4.35	0	4.35	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		4.35	0	4.35	TONs	
VOC - Volatile Organic Compounds	VOC		27.3	0	27.3	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					31.65	TONS	

- Processes

- Process & Emissions Detail

Name: Mach Demin Water Sol

Source Classification Code (SCC): 3-09-030-99

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 5

Weeks Per Year: 47

Hours Per Year: 5465

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Material	Processed	10125	TONs

- **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	0.	TONs	The machining exhausts are less than 85 degrees F and therefore any condensable emissions are assumed to be included in the filterable emissions and "0" is reported.
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: STACK TEST			27.3	0	27.3	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: STACK TEST			4.35	0	4.35	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: STACK TEST			4.35	0	4.35	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas

										velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: STACK TEST			4.35	0	4.35	TONs	There is no PM2.5 or PM10 filterable emission data. PM2.5 filterable emissions are assumed to equal the PM10 and PE filterable emissions based on Ford's filterable PM test results of similar processes at similar facilities. PM emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
VOC - Volatile Organic Compounds	VOC		emissions: STACK TEST			27.3	0	27.3	TONs	OC/VOC emissions calculation uses emission factor grains/cubic feet air flow through collectors. Emission factor is based on Ford's test results of similar processes at similar facilities. Actual emissions = exit gas velocity (ft3/min) x emission factor (grain/ft3) x 1 lb/7000 grain x 60 min/hr x operating hours (hr/yr) x 1 ton/2000 lb.
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants								31.65	TONS	