EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 9423

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
EPN's Common to C-Line, D-Line and E-Line				
30 + 34	LOG Flare and Elevated Flare See Note No. 1	VOC (5)	81.24	61.56
		Ethylene	81.24	61.56
		Propylene	81.24	61.56
		NO_x	11.21	8.50
		CO	90.64	68.69
98	D-885 Waste Oil Loading Drum	VOC	1.62	0.06
42	H-3702 Ground Flare Service		Emergency	
C-Line EPN's				
39	D-3106 Catalyst Handling Drum	VOC	3.89	0.02
40	D-3504 Stabilizer Addition Drum	PM_{10}	4.07	0.03
15	M-522 Pellet Silo Cyclone	VOC	See Note 2	
		PM_{10}	0.01	0.05
15B	M2542A/B Recycle Pellet Cyclones	VOC	See Note 2	
		PM_{10}	0.02	0.10
43	M-2522 Pellet Silo Cyclone	VOC	See Note 2	
		PM_{10}	0.01	0.05
118	M-571 Pellet Bulk	VOC	See Note 2	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr	TPY**
	Loading Cyclone	PM_{10}	0.03	0.10
55A	M-500A Flake Bag Filter	VOC	See Note 2	
		PM_{10}	0.02	0.08
55B	M-500B Flake Bag Filter	VOC	See Note 2	
		PM_{10}	0.02	0.08
120	M-574 Bag Filter	VOC	See Note 2	
		PM_{10}	0.02	0.08
122	M-2574 Bag Filter	VOC	See Note 2	
		PM_{10}	0.02	0.08
123	M-2572 Bag Filter	VOC	See Note 2	
		PM_{10}	0.02	0.08
109	D-3103 TEAL Seal Pot Drum	VOC	0.04	0.01
110	D-3105 Oil and Grease Mixing	VOC	0.21	0.01
111	D-3107 Hydraulic Oil Drum	VOC	0.04	0.01
112	D-3110A Donor Storage Drum	VOC	1.99	0.01
113	D-3110B Donor Storage Drum	VOC	0.34	0.01
114	TK-3111 Donor Storage Tank	VOC	0.60	0.01
115	T-3501 Scrubber Wastewater	VOC	0.07	0.31
116	Railcar Loading (Flake)	VOC	See Note 2	
35	Fugitives (4)	VOC	6.38	27.93
		NH_3	0.66	2.89

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr	TPY**
143	Mineral Oil Tank	VOC	0.01	0.01
144	Mineral Oil Tank	VOC	0.01	0.01
149	D-3106B Catalyst Handling Drum	VOC	0.64	0.01
D-Line EPN's				
37	D-4106 Catalyst Unloading	VOC	0.82	0.01
38	D-4504 Stabilizer Addition	VOC	0.08	0.01
41	Fugitives (4)	VOC	4.11	18.00
		NH_3	0.11	0.50
100A	M-4511A Bag Filter (6)	VOC	See Note 3	
		PM_{10} 0.57	2.38	
100B	M-4511B Bag Filter (6)	VOC	See Note 3	
		PM_{10} 0.57	2.38	
101A	M-42500A Flake Bag Filter (6)	VOC	See Note 3	
		PM_{10}	0.28	1.23
101B	M-42500B Flake Bag Filter (6)	VOC	See Note 3	
		PM_{10}	0.28	1.23
102	Railcar Loading/VOC Residual (6)	VOC	See Note 3	
103	D-4105 Oil and Grease Mixing	VOC	0.18	0.01
104	D-4110A Donor Storage Drum	VOC	0.09	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr	TPY**
105	D-4110B Donor Storage Drum	VOC	0.59	0.01
106	TK-4111 Donor Storage Tank	VOC	0.55	0.01
107	D-4103 TEAL Seal Pot	VOC	0.01	0.01
108	T-4501 Scrubber Wastewater	VOC	0.23	1.00
E-Line EPN's				
50A	Catalyst Handling	VOC	0.28	0.01
50B	Catalyst Handling	VOC	0.28	0.01
51	Stabilizer Addition	VOC	0.01	0.01
14C	Pellet Transfer System	VOC	See Note 4	
		PM_{10}	0.03	0.08
131	Pellet Transfer System	VOC	See Note 4	
		PM_{10}	0.03	0.08
124	TEAL Seal Pot	VOC	0.01	0.01
125	Oil and Grease Mixing	VOC	0.01	0.01
126	Hydraulic Oil Drum	VOC	0.01	0.01
127	Donor Storage Drum	VOC	0.09	0.01
128	Donor Storage Drum	VOC	0.09	0.01
129	Donor Storage Drum	VOC	0.16	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr	TPY**
130	Scrubber Wastewater	VOC	0.07	0.31
132	Railcar Loading MP2	VOC	See Note 4	
133	Railcar Loading MP4	VOC	See Note 4	
135	Additive Surge Drum	VOC	0.01	0.01
52	Fugitives (4)	VOC	5.31	23.24
		NH_3	0.66	2.89
147	Additive Storage	VOC	0.06	0.01
148	Additive Storage	VOC	0.02	0.01
99	Cooling Tower (4)	VOC (5)	0.06	0.27
		Ethylene	0.06	0.27
		Propylene	0.06	0.27
146	Cooling Tower (4)	VOC (5)	0.03	0.14
		Ethylene	0.03	0.14
		Propylene	0.03	0.14

NOTES:

1. Emissions rates shown are combined totals for EPN 30 and EPN 34
2. The combined total VOC emissions for all EPN's with this note shall not exceed 1.25 lb/hr and 4.83 tons/yr.
3. The combined total VOC emissions for all EPN's with this note shall not exceed 1.46 lb/hr and 3.50 tons/yr.
4. The combined total VOC emissions for all EPN's with this note shall not exceed 0.31 lb/hr and 0.92 tons/yr.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code (30 TAC) § 101.1
HRVOC - Highly reactive volatile organic compounds as defined in 30 TAC § 115.10.
NO_x - total oxides of nitrogen
PM_{10} - particulate matter equal to or less than 10 microns in diameter.
CO - carbon monoxide
NH_3 - ammonia
(4) Emission rate is an estimate and is enforceable through compliance with the applicable Special Conditions and permit application representations.
(5) The allowable emission rates for individual VOC species from this EPN are included in the total VOC emission rates.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

____Hrs/day __ Days/week __ Weeks/year or 8,760 Hrs/year

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated: December 22, 2006

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES