EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 1295

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**
094	Flare A-613	VOC	4.05	2.39
		NO_x	2.17	1.59
		CO	2.92	5.56
		SO_2	0.04	0.10
110	Baghouse A-573	PM_{10}	0.34	1.50
111	Baghouse A-574	PM_{10}	0.86	3.75
182	Calciner V-257	PM_{10}	1.12	0.08
		NH_3	0.01	0.01
191	Decanter T-126	VOC	0.29	0.02
215	Heater H-302	VOC	0.01	0.02
		NO_x	0.26	0.39
		SO_2	0.04	0.05
		CO	0.22	0.32
		PM_{10}	0.02	0.03
248	Crude Product Solution Tank T-563	VOC	1.25	0.07
249	Calciner V-502	PM_{10}	1.12	0.08
		NH_3	0.01	0.01
250	H-500 Heater	VOC	0.01	0.02
		NO_x	0.26	0.39
		SO_2	0.04	0.05
		CO	0.22	0.32
		PM_{10}	0.02	0.03

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
260	T-138 Decanter	VOC	0.29	0.02
261	T-510 Decanter	VOC	0.29	0.02
262	T-511 Decanter	VOC	0.29	0.02
263	T-512 Decanter	VOC	0.09	0.19
264	T-513 Decanter	VOC	0.29	0.02
274	Floc Tank T-541	VOC	0.83	0.03
278	Nitric Acid Tank T-557	HNO_3	0.01	0.01
282	Tank T-588	VOC	0.07	0.03
284	Scrubbers A-316/A-317	VOC	0.61	1.25
		NH_3	0.74	0.23
285	Wastewater Tank T-598	VOC	0.01	0.01
301	A-517-1 Baghouse	PM_{10}	0.05	0.23
302	A-563/A-564 Baghouse	PM_{10}	0.14	0.60
304	Calciner V-520	PM_{10}	1.12	0.08
		NH_3 0.01	0.01	
305	H-501 Heater	VOC	0.01	0.02
		NO_x	0.26	0.39
		SO_2	0.04	0.05
		CO	0.22	0.32
		PM_{10}	0.02	0.03
307	T-546-2/T-580-2 Baghouse	PM_{10}	0.04	0.18

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
308	Dust Collector F-313	PM_{10}	0.05	0.01
311	P-593 Vacuum Pump	VOC	0.09	0.38
		NH_3	0.86	3.66
319	F-590 Belt Filter	VOC	0.02	0.09
		NH_3	0.04	0.15
320	Abator A-325	CO	5.11	2.86
		NH_3	1.17	0.36
		NO_x	6.35	9.55
		PM_{10}	0.62	1.55
		SO_2	0.10	0.44
		VOC	7.24	2.77
400	Dust Collector M-6260	PM_{10}	0.43	1.88
401	Propylene Glycol Tank D-6218	VOC	0.06	0.01
402	Superheater B-6223	VOC	0.02	0.07
		NO_x	0.18	0.79
		CO	0.25	1.08
		SO_2	0.04	0.17
		PM_{10}	0.02	0.10
403	Thermal Oxidizer B-6240	VOC	0.92	0.15
		NO_x	6.00	4.34
		CO	7.43	3.65
		SO_2	0.04	0.10
		PM_{10}	1.48	6.06
		Silicones	0.28	0.04
527	M-6302 Bag Filter	PM_{10}	0.05	0.23

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
528	M-6306 Bag Filter	PM_{10}	0.03	0.13
529	F-6402 Dust Collector	PM_{10}	0.51	2.25
530	Superheater B-6359	VOC	0.02	0.08
		NO_x	0.22	0.90
		CO	0.30	1.24
		SO_2	0.05	0.20
		PM_{10}	0.03	0.11
531	SuperheaterB-6369	VOC	0.02	0.08
		NO_x	0.22	0.90
		CO	0.30	1.24
		SO_2	0.05	0.20
		PM_{10}	0.03	0.11
532	F-6322 Storage Tank	NH_4NO_3	0.01	0.01
533	F-6323 Storage Tank	NH_4NO_3	0.09	0.01
534	T-548 Wastewater Equalization Tank	NH_4NO_3	0.09	0.01
535	F-6321 Wastewater Equalization Tank	NH_4NO_3	0.01	0.01
537	ERS B-6389	CO	7.26	16.82
		NH_3	5.90	3.12
		NO_x	55.85	17.39
		PM_{10}	2.89	2.43
		SO_2	0.62	2.70
		VOC	16.84	3.58
544	Floc Vessel F-6628	VOC	0.83	0.03
545	Floc Vessel F-6629	VOC	0.83	0.03
546	Seed Vessel F-6625	VOC	0.01	0.01
547	Belt Filter Floc Tank F-6544	VOC	0.83	0.03

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602	Decanter F-6602		VOC	0.45	0.04
603	Decanter F-6603		VOC	0.45	0.04
604	Decanter F-6604		VOC	0.45	0.04
605	Decanter F-6605		VOC	0.45	0.04
606	Decanter F-6606		VOC	0.45	0.04
607	Decanter F-6607		VOC	0.45	0.04
F-5	Fugitive Area F-5 (4)		VOC	0.02	0.10
F-6	Fugitive Area F-6 (4)		VOC	0.05	0.21
			PM_{10}	0.08	0.36
			NH_3	0.06	0.24
F-7	Fugitive Area F-7 (4)		VOC	0.30	1.32
		PM_{10}	0.03	0.13	
F-8	Fugitive Area F-8 (4)		VOC	0.11	0.46
F-14	Fugitive Area F-14 (4)		VOC	0.09	0.40
			PM_{10}	0.04	0.16
			NH_3	0.01	0.01
F-15	Fugitive Area F-15 (4)		VOC	0.01	0.06

(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 area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1.
NO_x - total oxides of nitrogen
CO - carbon monoxide
SO_2 - sulfur dioxide

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

PM_{10} - particulate matter less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
NH_3 - ammonia
HNO_3 - nitric acid
NH_4NO_3 - ammonium nitrate

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* 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 November 29, 2006