EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 5562A and N006M1

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**
500	Styrene Storage		VOC	10.40	2.49
505	Process Sewer		VOC	19.03	15.76
514	Reject Crumb Shaker		VOC	0.06	0.23
517	Solvent KO Tank		VOC	0.01	0.01
518	Pellet Losses		VOC	84.92	87.87
520	K-Resin Plant Piping Fugitives (4)		VOC	4.17	18.28
523	Cooling Tower		VOC	0.37	1.58
		Cl_2	0.09	0.39	
524	Process Flare (Routine plus MSS)		VOC	265.11	66.57
			NO_x	25.16	9.43
			CO	129.10	48.28
		SO_2	0.05	0.04	
525	Blending and Storage		PM_{10}	0.03	0.12
526	Bagging and Loading		PM_{10}	0.01	0.03
531	Neohexene Plant Piping Fugitives (4)		VOC	1.04	4.54
533	Regeneration Heater		VOC	0.01	0.01
		NO_x	0.05	0.20	
		CO	0.04	0.17	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
		PM_{10}	0.01	0.02
		SO_2	0.01	0.01
534	Anti-Oxidant Tank	VOC	1.82	0.13
535	CA Tank	VOC	0.25	0.01
536	Solvent Recovery Flare	VOC	4.26	16.33
		NO_x	0.72	2.07
		CO	6.19	17.75
		SO_2	0.03	0.04
537	HIPS Vacuum Blower	PM_{10}	0.01	0.01
538	Byproduct Tank Unloading	VOC	12.17	0.12
605	Cooling Tower	VOC	0.35	1.02
		Cl_2	0.08	0.37
606	Reject Crumb Shaker	VOC	0.02	0.09
607	Blend Silo Vent	PM_{10}	0.01	0.01
608	Blend Silo Vent	PM_{10}	0.01	0.01
609	Blend Silo Vent	PM_{10}	0.01	0.01
610	Blend Silo Vent	PM_{10}	0.01	0.01
611	Offgrade Blend Silo Vent	PM_{10}	0.01	0.01
612	Train IV Vacuum System KO Pot	VOC	0.01	0.01
613	Train I Extruder Drier Vent	VOC	0.27	0.28
614	Train II Extruder Drier Vent	VOC	0.27	0.28
615	Train III Extruder Drier Vent	VOC	0.27	0.28

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
616	Train IV Extruder Drier Vent	VOC	0.27	0.28
618	Neohexene Analyzer Vents	VOC	0.37	1.64
900	Transfer Operations Piping Fugitives (4)	VOC	0.54	2.36
	ROUTINE MAINTENANCE, STARTUP, AND SHUTDOWN (MSS) EMISSIONS			
505	Process Sewer MSS	VOC	24.30	0.30
MSSATM	Equipment Opening	VOC	4.92	0.11

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. 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
PM_{10} - particulate matter equal to or less than 10 microns.
Cl_2 - chlorine
(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 February 1, 2007