

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 5562A and N006

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
500	Styrene Storage	VOC	4.73	1.78
505	Water Drainage	VOC	8.98	16.99
514	Reject Crumb Shaker	VOC	0.06	0.25
517	Solvent K0 Tank	VOC	0.01	<0.01
518	Pellet Losses	VOC	19.70	53.60
520	Fugitives (4)	VOC	4.39	19.25
523	Cooling Tower	VOC	0.36	1.58
524	Process Flare (5)	VOC	114.85	64.44
		NO _x	7.13	5.27
		CO	36.38	26.87
525	Blending and Storage	PM ₁₀	0.02	0.08
526	Bagging and Loading	PM ₁₀	0.01	0.02
534	TNPP Tank	VOC	1.70	0.12
536	Solvent Recovery Flare	VOC	5.22	17.90
		NO _x	0.44	1.65
		CO	3.79	14.18

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Emission *	Source	Air Contaminant	Emission	Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
605	Cooling Tower	VOC	0.23	1.02
606	Reject Crumb Shaker	VOC	0.82	0.11
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 0.04		PM ₁₀	<0.01
900	Transfer Operations Fugitives (4)	VOC	1.12	4.88

(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 General Rule 101.1

NO_x - total oxides of nitrogen

CO - carbon monoxide

PM₁₀ - particulate matter equal to or less than 10 microns

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

(5) Routine flare emissions attributable to the K-Resin Plant, Neohexene Plant, and Hydrocarbon Transfer Operations. This flare also controls non-routine emissions including those occurring in the K-Resin Train IV butadiene storage system.

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>

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

Hrs/year 8,760

Dated _____