

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19886

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
8-1-002	Pourer Furnace	PM ₁₀	<0.01	0.02
		SO ₂	<0.01	<0.01
		NO _x	0.09	0.41
		CO	0.02	0.08
		VOC	<0.01	0.02
8-1-003	W-900A Vaporizer	PM ₁₀	0.04	0.16
		SO ₂	<0.01	0.02
		NO _x	0.75	3.28
		CO	0.15	0.66
		VOC	0.04	0.17
8-1-004	Strand Room Vent	VOC	1.41	5.07
8-1-006	W-30E Vaporizer	PM ₁₀	<0.01	0.03
		SO ₂	<0.01	<0.01
		NO _x	0.14	0.61
		CO	0.03	0.12
		VOC	<0.01	0.03
8-1-007	W-40S Vaporizer	PM ₁₀	0.02	0.08
		SO ₂	<0.01	0.01
		NO _x	0.37	1.64
		CO	0.08	0.33
		VOC	0.02	0.09
8-1-008	B-1 Storage Tank	VOC	0.01	<0.01
8-1-009	B-23 Storage Tank	VOC	0.62	<0.01
8-1-010	Propionic Acid Process Fugitives (4) 0.77		VOC	0.17

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			lb/hr	TPY
8-1-011	Hydrazine Process Fugitives (4)	H ₂ NNH ₂	0.03	0.15
8-1-012	Bulk Storage Silos	PM ₁₀	0.52	2.12
		TSP	1.50	6.04
8-1-014	B-195 Process Vessel	VOC	<0.01	<0.01
8-1-015	B-63A Process Vessel	VOC	<0.01	<0.01
8-1-017	D-900 Process Vessel	VOC	0.06	<0.01
8-1-018	D-920 Process Vessel	VOC	0.05	<0.01
8-1-019	D-940 Process Vessel	VOC	0.02	<0.01
8-1-020	D-950 Process Vessel	VOC	0.05	<0.01
8-1-021	D-984 Process Vessel	VOC	<0.01	<0.01
8-1-023	B-1000 Process Vessel	VOC	0.03	0.12
8-1-024	B-130A&B Process Vessel	VOC	0.34	0.02
8-1-025	B-143 Process Vessel	VOC	0.30	0.01
8-1-026	A-27A Storage Tank	VOC	<0.01	<0.01
8-1-027	A-27B Storage Tank	VOC	0.02	<0.01
8-1-028	B-200 Process Vessel	VOC	<0.01	<0.01
8-1-030	Packaging Silos	PM ₁₀	0.52	2.12
		TSP	1.50	6.04

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			lb/hr	TPY
8-1-031	Cooling Towers	VOC	<0.01	<0.01
8-1-032	D-949 Process Vessel	VOC	<0.01	<0.01
8-1-033	D-945 Process Vessel	VOC	<0.01	0.02
8-1-035	T-907 Catalyst Scrubber	PM ₁₀	<0.01	<0.01
		TSP	<0.01	0.03
8-1-036	B-27 Refeed Hoppers	PM ₁₀	0.02	0.01
		TSP	0.04	0.04
8-1-037	Recovered Caprolactam Loading	VOC	0.08	0.01
8-1-038	Spent Heating Fluid Loading	VOC	<0.01	<0.01
8-1-039	B-125 Storage Tank	H ₂ NNH ₂	<0.01	<0.01
8-1-040	F-155 Solid Additive Hopper	PM ₁₀	0.36	1.42
		TSP	0.54	2.14
8-1-041	Seal Pots	VOC	0.03	0.14
8-1-042	Slurry Drums	VOC	0.04	0.18
8-1-043	B-2 Storage Tank	VOC	0.08	<0.01
8-1-044	TAD Process Fugitives (4)	VOC	0.01	0.05
8-1-100	W-30A Vaporizer	PM ₁₀	<0.01	0.04
		SO ₂	<0.01	<0.01
		NO _x	0.17	0.74
		CO	0.03	0.15
		VOC	<0.01	0.04

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
8-1-200	W-30B Vaporizer	PM ₁₀	<0.01	0.04
		SO ₂	<0.01	<0.01
		NO _x	0.17	0.74
		CO	0.03	0.15
		VOC	<0.01	0.04
8-1-300	W-40C Vaporizer	PM ₁₀	0.01	0.06
		SO ₂	<0.01	<0.01
		NO _x	0.28	1.23
		CO	0.06	0.25
		VOC	0.02	0.07
8-1-400	W-40D Vaporizer	PM ₁₀	0.01	0.06
		SO ₂	<0.01	<0.01
		NO _x	0.28	1.23
		CO	0.06	0.25
		VOC	0.02	0.07
8-1-500	W-40E Vaporizer	PM ₁₀	0.01	0.06
		SO ₂	<0.01	<0.01
		NO _x	0.28	1.23
		CO	0.06	0.25
		VOC	0.02	0.07
8-1-600	W-50F Vaporizer	PM ₁₀	0.02	0.10
		SO ₂	<0.01	0.01
		NO _x	0.47	2.05
		CO	0.09	0.41
		VOC	0.03	0.11
8-1-607	CY-94F1 Cyclone	PM ₁₀	0.10	0.40
		TSP	0.27	1.13

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
8-1-608	CY-94F2 Cyclone	PM ₁₀	0.10	0.40
		TSP	0.27	1.13

- (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
 PM₁₀ - particulate matter less than 10 microns in diameter
 TSP - total suspended particulate matter including PM₁₀
 TAD - Triacetone Diamine
 H₂NNH₂ - hydrazine
- (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

Dated _____