

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 49004

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**
E10C060	Syngas Flare	VOC	1.21	5.47
		Acetone	1.37	6.15
		NO _x 0.12	0.53	
		CO 0.87	3.80	
		HCl 0.39	0.03	
F13A002-01	Fugitives (4)	VOC	16.37	72.05
		Acetone	5.24	23.09
D13C116TCN	116 Tank Car North	VOC	0.37	0.34
		Acetone	0.34	0.31
D13C116TTN	116 Tank Truck North	VOC	0.37	0.10
		Acetone	0.34	0.07
D13C116TTS	116 Tank Truck South	VOC	0.37	0.04
		Acetone	0.34	0.01
E13A032	Tank 12612	VOC	0.06	0.05
		Acetone	4.94	1.81
E13A028	Tank 12613	VOC	28.65	0.70
E13A014	Tank 12635	VOC	0.04	<0.01
E13A031	Tank 12651	VOC	9.11	0.03
E13A015	Tank 12652	VOC	3.33	0.06
		Acetone	0.07	<0.01
E13A016	Tank 12653	VOC	3.33	0.06
		Acetone	0.07	<0.01

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			lb/hr	TPY**
E13A017	Tank 12654	VOC	3.33	0.06
		Acetone	0.07	<0.01
E13A018	Tank 12655	VOC	3.33	0.06
		Acetone	0.07	<0.01
E13A024	Tank 12663	VOC	2.66	0.01
E13A025	Tank 12664	VOC	2.66	0.01
E13A023	Tank 12665	VOC	3.36	0.05
		Acetone	4.95	0.99
E13A019	Tank 12675	VOC	42.14	0.06
E13A029	Tank 12681	VOC	28.68	0.94
E13A030	Tank 12682	VOC	28.56	0.94
E13A026	Tank 12683	VOC	9.33	0.30
E13C004	Tank 12802	Acetone	52.86	0.26
E13C009	Tank 12805	VOC	0.20	0.03
		Acetone	16.20	0.16
E13G025	East Tails Dissolver	VOC	5.01	0.06
		Acetone	54.98	0.26
E13G024	West Tails Dissolver	VOC	5.01	0.06
		Acetone	54.98	0.26
E13P011	Tank 11001	VOC	0.20	0.02
		Acetone	1.13	0.14
E13P004	Tank 11002	VOC	0.20	0.02
		Acetone	1.13	0.14

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			lb/hr	TPY**
E13P014	Tank 11005	VOC	0.20	0.02
		Acetone	1.13	0.14
E13J001	MEK Tank	VOC	74.78	0.01
E13E011	Solvent Exchanger/Steam Jet Vent	VOC	0.10	0.42
		Acetone	19.84	86.90
E13K002	Nonane Extractor 500	VOC	0.03	0.03
		Acetone	<0.01	<0.01
E13K003	Nonane Extractor 510	VOC	0.03	0.03
		Acetone	<0.01	<0.01
E13K004	Acid Extractor 520	VOC	0.03	0.03
		Acetone	<0.01	<0.01
E13L022	TA-3 Vent Condenser/Scrubber	VOC	0.32	1.37
		Acetone	0.59	2.60
E13G027	Maleic Acid Condenser	VOC	0.03	0.03
		Acetone	1.70	7.43
E13S201	Bulk Filter Receiver	PM	0.02	0.07
E13S205	Bulk Dust Filter	PM	0.01	0.02
E13S224	No. 1 Filter Receiver	PM	0.02	0.04
E13S212	No. 2 Filter Receiver	PM	0.02	0.04
E13S221	Bag Claim Filter Receiver	PM	0.02	0.10
E13S222	Bagline Dust Collector	PM	0.19	0.84
E13S223	Floor Sweeper Dust Collector	PM	0.02	0.11

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- (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 § 101.1
NO_x - total oxides of nitrogen
CO - carbon monoxide
HCl - hydrogen chloride
PM - particulate matter, suspended in the atmosphere, including PM₁₀
PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
- (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 June 10, 2003