

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 3373

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)	<u>Emission Rates *</u>	
			lb/hr	TPY**
05FUG	Fugitives (4)	VOC	21.64	86.79
05COM-013	Recycle Compressor Engine 550-hp	PM ₁₀	0.22	0.95
		VOC	0.68	2.98
		NO _x	17.96	78.66
		CO	2.19	9.58
		SO ₂	0.01	0.01
05COM-014	Recycle Compressor Engine 550-hp	PM ₁₀	0.22	0.95
		VOC	0.68	2.98
		NO _x	17.96	78.66
		CO	2.19	9.58
		SO ₂	0.01	0.01
05COM-015	No.1 Purge Compressor Engine 330-hp	PM ₁₀	0.14	0.61
		VOC	0.43	1.89
		NO _x	11.43	50.05
		CO	1.39	6.09
		SO ₂	0.01	0.01
05COM-016	No. 2 Purge Compressor Engine 330-hp	PM ₁₀	0.14	0.61
		VOC	0.43	1.89
		NO _x	11.43	50.05
		CO	1.39	6.09
		SO ₂	0.01	0.01
05COM-017	No. 3 Purge Compressor Engine 330-hp	PM ₁₀	0.14	0.61
		VOC	0.43	1.89
		NO _x	11.43	50.05
		CO	1.39	6.09
		SO ₂	0.01	0.01

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			lb/hr	TPY**
05LTR-019	Propane Unloading	VOC	2.40	0.06
05LTR-020	Propylene Unloading	VOC	2.20	0.05
05CLT-021	Cooling Tower	VOC	7.50	4.92
05TFL-022	Recycle Vinyl Acetate Tank	VOC	0.17	0.29
05LTR-022A	Butyl Acrylates Unloading	VOC	0.01	0.01
05TFL-023	Recycle Vinyl Acetate Tank	VOC	0.15	0.30
05LRC-029	Pellet Loading	PM ₁₀	1.00	4.00
05INC-030	Thermal Abater	VOC	26.74	19.16
		NO _x	15.00	33.00
		CO	20.00	60.00
		Acetone	0.02	0.09
05LRC-031	Vinyl Acetate Rail Unloading	VOC	0.03	0.01
05LRC-032	Recycle VA Rail Loading	VOC	0.03	0.01
05SMP-034	Lube Oil Sump	VOC	1.37	0.08
05DMP-034A	Lube Oil Dumpster	VOC	1.35	0.03
05ANL-035	GC Analyzer Vents	VOC	0.01	0.01
05LTR-036	Vinyl Acetate Truck Unloading	VOC	0.01	0.01
05TFX-037	Mineral Spirits Tank	VOC	0.85	0.01
05LTR-037A	Mineral Spirits Truck Unloading	VOC	0.01	0.01
05TFX-038	SONN Lube Oil Tank	VOC	0.01	0.01

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			lb/hr	TPY**
05LTR-038A	SONN Lube Oil Unloading	VOC	0.01	0.01
05TFX-039	A4V4 Lube Oil Tank	VOC	0.01	0.01
05LTR-039A	A4V4 Lube Oil Truck Unloading	VOC	0.01	0.01
05FLR-040	F Unit Flare	VOC	1.44	15.19
		NO _x	0.17	1.65
		CO	1.19	11.93
05FLR-040	Maintenance, Startup, and Shutdown Activities (MSS)	VOC	412.00	12.14
		NO _x	44.74	1.00
		CO	323.13	7.25
04LTR-041A	Acids Truck Unloading	VOC	0.01	0.01
05LRC-041B	Acids Rail Unloading	VOC	0.01	0.01
05LTR-043A	Waste Acid Truck Loading	VOC	0.03	0.01
05TFX-047	Inhibitor Tank	VOC	3.83	0.01
05SEP-051	CPI Oil Separator	VOC	0.01	0.01
05DMP-051A	CPI Oil Dumpster	VOC	0.01	0.01
05TFX-052	Glycerin Storage Tank	VOC	0.23	0.01
05SEP-053	Initiator Separator Tank	VOC	0.02	0.01
05TFL-018	Vinyl Acetate Tank	VOC	0.48	0.36
05CLT-021A	Refrigeration Cooling Tower	VOC	0.01	0.01
05TOT-024B	Wastewater Polishing Tank	VOC	0.01	0.01

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05OVN-032	Berringer Oven	VOC	0.04	0.04
05OVN-032A	Berringer Oven	VOC	0.04	0.04
05SEP-051A	API Separator	VOC	0.01	0.01
05DEG-208	Shop Degreaser Unit	VOC	0.01	0.01
05TFX-214	OMS C-200 Tank	VOC	0.08	0.01
05-MSS	Fugitive/Portable MSS Emissions To atmosphere	VOC	62.54	4.21

- (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) PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
- VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NO_x - total oxides of nitrogen
- CO - carbon monoxide
- SO₂ - sulfur dioxide
- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.

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

8,760 Hrs/year.

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated April 27, 2010