

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, sources, and related activities. 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	
			lbs/hour	TPY (4)
05CLT-021	Cooling Tower (6)	PM	5.85	25.64
		PM ₁₀	2.93	12.82
		PM _{2.5}	2.93	12.82
		VOC	6.00	2.63
05CLT-021A	Refrigeration Cooling Tower (6)	PM	0.86	3.76
		PM ₁₀	0.43	1.88
		PM _{2.5}	0.43	1.88
05CLT-021	Cooling Tower (7)	PM	0.29	1.28
		PM ₁₀	0.15	0.64
		PM _{2.5}	0.15	0.64
		VOC	6.00	2.63
05CLT-021A	Refrigeration Cooling Tower (7)	PM	0.17	0.75
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.09	0.38
05COM-013	No. 1 Recycle Compressor Engine	CO	2.19	9.58
		NO _x	17.96	78.66
		PM	0.22	0.95
		PM ₁₀	0.22	0.95
		PM _{2.5}	0.22	0.95
		SO ₂	<0.01	0.01
		VOC	0.68	2.98

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05COM-014	No. 2 Recycle Compressor Engine	CO	2.19	9.58
		NO _x	17.96	78.66
		PM	0.22	0.95
		PM ₁₀	0.22	0.95
		PM _{2.5}	0.22	0.95
		SO ₂	<0.01	0.01
		VOC	0.68	2.98
05COM-015	No. 1 Purge Recycle Compressor Engine	CO	1.39	6.09
		NO _x	11.43	50.05
		PM	0.14	0.61
		PM ₁₀	0.14	0.61
		PM _{2.5}	0.14	0.61
		SO ₂	<0.01	0.01
		VOC	0.43	1.89
05COM-016	No. 2 Purge Recycle Compressor Engine	CO	1.39	6.09
		NO _x	11.43	50.05
		PM	0.14	0.61
		PM ₁₀	0.14	0.61
		PM _{2.5}	0.14	0.61
		SO ₂	<0.01	0.01
		VOC	0.43	1.89
05COM-017	No. 3 Purge Recycle Compressor Engine	CO	1.39	6.09
		NO _x	11.43	50.05

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		PM	0.14	0.61
		PM ₁₀	0.14	0.61
		PM _{2.5}	0.14	0.61
		SO ₂	0.01	0.04
		VOC	0.43	1.89
05DEG-208	Shop Degreaser Unit	VOC	0.01	0.01
05DMP-034A	Lube Oil Dumpster	VOC	1.35	0.03
05DMP-051A	CPI Oil Dumpster	VOC	<0.01	<0.01
05FLR-040	F Unit Flare	CO	45.60	27.75
		NO _x	6.31	3.84
		SO ₂	0.01	0.01
		VOC	62.67	37.02
05FLR-040	Maintenance, Startup, and Shutdown (MSS) Activities	CO	323.13	7.25
		NO _x	44.74	1.00
		VOC	412.00	16.86
05FUG	Fugitives (5)	VOC	13.29	52.10
05INC-030	Thermal Abater	Acetone	0.01	0.05
		CO	20.00	60.00
		NO _x	15.00	33.00
		PM	0.15	0.67
		PM ₁₀	0.15	0.67
		PM _{2.5}	0.15	0.67
		SO ₂	0.01	0.05
		VOC	13.13	9.54
05TFL-018	Vinyl Acetate Tank	VOC	0.48	0.36
05TFL-022	Recycle Vinyl Acetate Tank	VOC	0.24	0.29
05TFL-023	Recycle Vinyl Acetate Tank	VOC	0.20	0.29
05LTR-019	Propane Unloading Hose	VOC	2.48	0.09

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05LTR-020	Propylene Unloading Hose	VOC	2.22	0.08
05LTR-022A	Butyl Acrylates Unloading	VOC	0.01	0.01
05LRC-029	Pellet Loading	PM	1.00	4.00
		PM ₁₀	1.00	4.00
		PM _{2.5}	1.00	4.00
05LRC-031	Vinyl Acetate Rail Unloading Hose	VOC	0.03	0.01
05LRC-032	Recycle Vinyl Acetate Rail Loading Hose	VOC	0.03	0.01
05LTR-036	Vinyl Acetate Truck Unloading Hose	VOC	0.01	0.01
05LTR-037A	Mineral Spirits Truck Unloading Hose	VOC	0.01	0.01
05LTR-038A	SONN Lube Oil Unloading Hose	VOC	0.01	0.01
05LTR-039A	A4V4 Lube Oil Truck Unloading Hose	VOC	0.01	0.01
04LTR-041A	Acids Truck Unloading Hose	VOC	0.01	0.01
05LRC-041B	Acids Rail Unloading Hose	VOC	0.01	0.01
05LTR-043A	Waste Acids Truck Loading Hose	VOC	0.03	0.01
05LTC-051	CPI Lube Oil Loading Hose	VOC	0.01	0.01
05LTC-053	ITT Loading Hose	VOC	0.01	0.01
05-MSS	MSS Activities	VOC	62.55	4.23
05OVN-032	Berringer Oven	VOC	0.04	0.04
05OVN-032A	Berringer Oven	VOC	0.04	0.04
05SEP-051	CPI Oil Separator	VOC	<0.01	<0.01
05SEP-051A	API Separator	VOC	<0.01	<0.01
05SEP-053	Initiator Separator	VOC	0.02	<0.01
05SMP-034	Lube Oil Sump	VOC	1.37	0.08
05TFX-037	Mineral Spirits Tank	VOC	0.85	<0.01
05TFX-038	Sonneborn Lube Oil Tank	VOC	<0.01	<0.01

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05TFX-039	A4V4 Lube Oil Tank	VOC	<0.01	<0.01
05TFX-047	Inhibitor Tank	VOC	3.83	0.02
05TFX-052	Glycerin Storage Tank	VOC	0.23	<0.01
05TFX-214	OMS C-200 Tank	VOC	0.08	<0.01
05TOT-024B	Wastewater Polishing Tank	VOC	0.01	<0.01

- (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)
 - CO - carbon monoxide
 - NO_x - total oxides of nitrogen
 - PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
 - PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
 - PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 - SO₂ - sulfur dioxide
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) These cooling tower emission rates shall be in effect upon renewal of this permit.
- (7) These cooling tower emission rates shall be in effect upon installation of drift eliminators having manufacturer's design assurance of 0.001% drift or less.

Date: September 30, 2020