

Emission Sources - Maximum Allowable Emission Rates

Permit Number 47007

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)
012C1CE	Engine	CO	1.51	6.59
		NO _x	12.36	54.12
		PM	0.19	0.83
		PM ₁₀	0.19	0.83
		PM _{2.5}	0.19	0.83
		SO ₂	0.01	0.02
		VOC	0.47	2.05
012C2BE	Engine	CO	1.01	4.40
		NO _x	8.25	36.12
		PM	0.13	0.56
		PM ₁₀	0.13	0.56
		PM _{2.5}	0.13	0.56
		SO ₂	0.01	0.01
		VOC	0.32	1.37
012C3APD	Blowdown Vent	VOC	0.36	0.14
012C3BPD	Blowdown Vent	VOC	0.36	0.14
012C3CPD	Blowdown Vent	VOC	0.36	0.14
012C3DPD	Blowdown Vent	VOC	0.36	0.14
012C3EPD	Blowdown Vent	VOC	0.36	0.14
012C3SPD	Blowdown Vent	VOC	0.36	0.14

Emission Sources - Maximum Allowable Emission Rates

012CTV1	Tank	VOC	0.02	0.01
012CTV2	Tank	VOC	0.02	0.01
012D111C	Tank	VOC	0.02	0.01
012D111D	Tank	VOC	0.02	0.01
012D126	Tank	VOC	1.05	0.01
012D161	Tank	VOC	0.12	0.01
012D18A	Tank	VOC	0.56	0.03
012D18B	Tank	VOC	1.83	0.02
012D18C	Tank	VOC	3.62	0.05
012D20	Tank	VOC	1.05	0.01
012D85B	Tank	VOC	0.01	0.01
012D85D	Tank	VOC	0.01	0.01
012D85F	Tank	VOC	0.01	0.01
012D97C	Tank	VOC	0.02	0.01
012D97F	Tank	VOC	0.02	0.01
012DM4B5	Dumpster	VOC	16.98	4.79
012GA	Analyzer Vent	VOC	0.01	0.01
012MNT	Maintenance Activities	VOC	400.00	12.93
012P12BD	Blowdown Vent	VOC	2.75	3.01
012PWXBD	Draining Vent	VOC	4.20	0.07
012S1	Scrubber	Ammonia	0.09	0.37
012S2	Scrubber	Ammonia	0.09	0.37
012S34G	Separator Blowdown	VOC	2.75	3.01
012S34R	Separator Blowdown	VOC	2.75	3.01
012S34Y	Separator Blowdown	VOC	2.75	6.02

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012S78	Separator Vent (5)	VOC	2.32	10.13
012SV1	Sump	VOC	0.20	0.37
012T20	Tank	VOC	0.12	0.01
012T39	Tank	VOC	6.51	0.07
012T40F	Tank	VOC	1.69	0.02
012T40G	Tank	VOC	1.69	0.02
012T40H	Tank	VOC	1.69	0.02
012T7	Tank	VOC	6.51	0.08
012T8	Tank	VOC	1.69	0.03
012VS23	Tank	VOC	59.25	0.07
012VS23A	Tank	VOC	59.25	0.07
012Y12BD	Blowdown Vent	VOC	2.75	1.01
012Y12BD2	Blowdown Vent	VOC	2.75	1.01
012YC3BD	Blowdown Vent	VOC	2.75	1.01
013C1FE	Engine	CO	2.19	9.57
		NO _x	17.93	78.52
		PM	0.28	1.20
		PM ₁₀	0.28	1.20
		PM _{2.5}	0.28	1.20
		SO ₂	0.01	0.02
		VOC	0.68	2.98
013C1GE	Engine	CO	2.97	12.99
		NO _x	24.36	106.67
		PM	0.38	1.63
		PM ₁₀	0.38	1.63

Emission Sources - Maximum Allowable Emission Rates

		PM _{2.5}	0.38	1.63
		SO ₂	0.01	0.02
		VOC	0.93	4.04
013C3FPD	Blowdown Vent	VOC	0.36	0.14
013C3GPD	Blowdown Vent	VOC	0.36	0.14
013C3HPD	Blowdown Vent	VOC	0.36	0.14
013C3JPD	Blowdown Vent	VOC	0.36	0.14
013C3KPD	Blowdown Vent	VOC	0.36	0.14
013C3LPD	Blowdown Vent	VOC	0.36	0.14
013C3MPD	Blowdown Vent	VOC	0.36	0.14
013C7BE	Engine	CO	3.32	14.51
		NO _x	27.20	119.13
		PM	0.42	1.82
		PM ₁₀	0.42	1.82
		PM _{2.5}	0.42	1.82
		SO ₂	0.01	0.03
		VOC	1.03	4.51
013CTV1	Tank	VOC	0.23	0.76
013D160A	Tank	VOC	0.12	0.01
013D160B	Tank	VOC	0.12	0.01
013D76F	Tank	VOC	0.01	0.01
		PM	0.38	0.23
		PM ₁₀	0.38	0.23
		PM _{2.5}	0.38	0.23
013D76H	Tank	VOC	0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

		PM	0.38	0.23
		PM ₁₀	0.38	0.23
		PM _{2.5}	0.38	0.23
013D77L	Tank	VOC	0.38	0.01
013D77M	Tank	VOC	0.38	0.01
013D85H	Tank	VOC	0.01	0.01
013D97H	Tank	VOC	0.02	0.01
013DM4B6	Dumpster	VOC	10.84	3.54
013DM4B7	Dumpster	VOC	173.64	13.62
013DMR1	Dumpster	VOC	19.50	6.93
013F12BD	Wax Blowdown	VOC	2.75	3.01
013G12BD	Wax Blowdown	VOC	2.75	3.01
013S34H	Separator Blowdown	VOC	2.75	3.01
013S42H2	Separator Blowdown	VOC	3.97	1.45
013S79	Separator Vent (5)	VOC	2.32	10.13
013SV3	Sump	VOC	0.14	0.37
013SV4	Sump	VOC	0.14	0.37
013SV5	Sump	VOC	0.14	0.37
013T105	Tank	VOC	1.42	0.01
013T106	Tank	VOC	1.42	0.01
013T156	Tank	VOC	1.19	0.01
013T157	Tank	VOC	0.78	0.01
013T158	Tank	VOC	0.78	0.01
013WLD	Draining Vent	VOC	0.87	0.04
013TWL1	Tank	VOC	0.17	0.01

Emission Sources - Maximum Allowable Emission Rates

013TK3BD	Draining Vent	VOC	0.05	0.01
013VS23B	Tank	VOC	59.25	0.07
013VS23C	Tank	VOC	59.25	0.07
013VS26	Tank	VOC	59.25	0.07
013VT	Vacuum Truck	VOC	5.22	0.20
021T140	Tank	VOC	1.30	0.04
063C5AE	Engine	CO	2.41	10.55
		NO _x	19.79	86.64
		PM	0.31	1.33
		PM ₁₀	0.31	1.33
		PM _{2.5}	0.31	1.33
		SO ₂	0.01	0.02
		VOC	0.75	3.28
063C5BE	Engine	CO	2.41	10.55
		NO _x	19.79	86.64
		PM	0.31	1.33
		PM ₁₀	0.31	1.33
		PM _{2.5}	0.31	1.33
		SO ₂	0.01	0.02
		VOC	0.75	3.28
063D159	Tank	VOC	0.12	0.01
063DM1	Dumpster	VOC	0.05	0.01
063LT1	Loading Vent	VOC	0.66	0.03
063S1	Scrubber	Ammonia	0.09	0.37
063T32	Tank	VOC	0.12	0.01

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F012FG4	Fugitives (5)	VOC	10.76	47.10
F012FG6	Fugitives (5)	VOC	2.38	10.42
F013FG1	Fugitives (5)	VOC	13.79	60.39
F013FG3	Fugitives (5)	VOC	11.61	50.82
F063FG1	Fugitives (5)	Ammonia	0.88	3.82
F066FG1	Fugitives (5)	VOC	1.81	7.89
F066FG3	Catalyst disposal	VOC	6.30	9.91

- (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 Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
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
CO - carbon monoxide
- (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.

Date: July 2, 2014