

Emission Sources - Maximum Allowable Emission Rates

Permit Number 318

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)
AMM-FDKAMB	Dock Fugitives (5)	NH ₃	0.01	0.04
AMM-TFX185	East Diesel Tank for Firewater Pumps	VOC	0.02	0.01
AMM-TFX186	West Diesel Tank for Firewater Pumps	VOC	0.02	0.01
P&S-FNATGS	Natural Gas Handling Facilities (5)	VOC	0.04	0.16
AMM-PMP185	East Diesel Fire Pump Engine	CO	2.34	0.03
		NO _x	10.85	0.14
		PM ₁₀	0.77	0.01
		SO ₂	0.72	0.01
		VOC	0.86	0.01
AMM-PMP186	West Diesel Fire Pump Engine	CO	2.34	0.03
		NO _x	10.85	0.14
		PM ₁₀	0.77	0.01
		SO ₂	0.72	0.01
		VOC	0.86	0.01
AMM/TF407A	Sulfuric Acid Tank No. 1	H ₂ SO ₄	0.08	0.01
AMM/TF407B	Sulfuric Acid Tank No. 2	H ₂ SO ₄	0.08	0.01
Maintenance, Startup, and Shutdown (MSS) Emissions				
ACH-CBFLR	ACH Process Flare (6) (MSS)	Acetone	0.86	0.01
		CO	0.29	0.01
		NO _x	0.03	0.01
MMA-PFL	MMA Flare (7) (MSS)	Acetone	8.35	0.15
		CO	38.85	1.01
		NO _x	1.90	0.05
		SO ₂	166.67	1.66

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		VOC	25.35	0.57
ABBLAST	Abrasive Blasting	PM	5.72	0.80
		PM ₁₀	0.68	0.10
		PM _{2.5}	0.07	0.01
ACH-ACEBS	Acetone Tank Roof Landing	Acetone	55.42	0.16
ACHTKBP	ACH Tank Bypass	Acetone	0.56	0.04
		VOC	0.08	0.03
AMMRV	Ammonia Relief Valves	NH ₃	0.01	0.01
ANAGAS	Analyzer Gas	CO	0.01	0.01
		NO _x	0.01	0.01
		SO ₂	0.02	0.01
CATHNDL	Catalyst Handling	PM	0.51	0.02
		PM ₁₀	0.12	0.01
		PM _{2.5}	0.06	0.01
DEPOLYTKVT	Depolying Tank Vent	VOC	16.22	0.26
EQCLR	Equipment Clearing	NH ₃	0.01	0.01
		VOC	4.27	0.05
LUBES	Lube Oil	VOC	0.01	0.01
MISC	Miscellaneous Maintenance	VOC	1.73	0.76
MMATKBP	MMA Tanks Bypass	VOC	1.00	0.43
MMATKBP2	MMA Tanks Bypass	VOC	37.60	0.74
MMTKCLN	1 MM-gallon Tank Cleaning	VOC	0.01	0.01
SAMPLE	Sampling	VOC	0.11	0.01
SARMISC	SAR Plant Miscellaneous Maintenance	NO _x	0.54	0.01
		SO ₂	2.16	0.01
SETCLN	Settler Cleaning	VOC	0.01	0.01
SPENTTKMNT	SAR Plant Spent Acid Tank Maintenance	Acetone	3.78	1.59
		VOC	7.14	3.25

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SWASTE	Solid Material Transfer	PM	0.28	0.01
		PM ₁₀	0.10	0.01
		PM _{2.5}	0.06	0.01
TEMPTK	Temporary Tankage	Acetone	0.05	0.01
		VOC	0.81	0.04
TKMNT	Miscellaneous Tanks	Acetone	2.70	0.20
		H ₂ SO ₄	1.00	0.08
		SO ₂	1.00	0.08
		VOC	15.19	1.14
VACTRK	Vacuum Trucks	VOC	0.25	0.06
WASTEVOG	VOC Containing Waste Handling Activities	VOC	2.50	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
 - H₂SO₄ - sulfuric acid
 - NH₃ - ammonia
 - 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} - total 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) ACH Process Flare is authorized under Permit Number 19004.
- (7) MMA Flare is authorized under Permit Number 19003.

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Date: April 9, 2014