

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 4603

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 (8)
OX	Catalytic Oxidizer	VOC CO PM ₁₀ SO ₂ NO _x	9.27 15.00 0.03 0.01 0.21	40.60 65.70 0.14 0.01 0.94
TO-1	Thermal Oxidizer 1 (6)	VOC PM ₁₀ SO ₂ NO _x CO	1.47 0.03 0.01 0.30 0.78	6.45 0.13 0.01 1.30 3.42
TO-2	Thermal Oxidizer 2	VOC PM ₁₀ SO ₂ NO _x CO	0.12 0.01 0.01 0.05 0.08	0.51 0.03 0.01 0.21 0.35
BOIL-1	Boiler 1	VOC PM ₁₀ SO ₂ NO _x CO	0.13 0.18 0.01 1.17 0.35	0.56 0.78 0.06 5.11 1.53
BOIL-2	Boiler 2	VOC PM ₁₀ SO ₂ NO _x CO	0.11 0.15 0.01 1.99 1.67	0.48 0.66 0.05 8.73 7.33
TRUCK LOAD	Truck Loading	VOC	0.04	0.17
RAIL LOAD	Rail Loading	VOC	0.21	0.91
S-SILO	Salt Silo Baghouse	PM ₁₀	0.06	0.26
F-FUGITIVE	Fugitive Emissions, Formaldehyde Unit (4)	VOC	0.12	0.94
D-FUGITIVE	Fugitive Emissions, Formaldehyde Unit (4)	VOC	0.15	0.67

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R-FUGITIVE	Fugitive Emissions, Resin Unit (4)	VOC	1.33	5.80
TRUCK WASH	Truck Washing	VOC	1.01	0.81
NOVBOX-A	Flaker Baghouse	PM ₁₀	0.01	0.01
K-3 BIN VENT	K-3 Bin Vent	PM ₁₀	0.11	0.47
U BIN VENT	Urea Hopper Bin Vent	PM ₁₀	0.05	0.21
OSB BIN VENT	OSB Bin Vent	PM ₁₀	0.11	0.47
BIOPOND	Biopond	VOC	0.01	0.01
SLUDGE PRESS	Sludge Press	NH ₃	1.15	6.04
B-1 DRUM	OFP Drumming Station	VOC	2.05	1.33
PHEN-1	Caustic Scrubber for Phenol Storage Tanks	VOC	0.01	0.03
M-1	Methanol Storage Tank (7)	VOC	0.06	0.25
DIESEL TANK	Diesel Tank	VOC	0.01	0.01
TK2	Storage Tank	VOC	0.01	0.01
TK3	Storage Tank (5)	VOC	0.01	0.01
TK4	Storage Tank (5)	VOC	0.01	0.01
TK6	Storage Tank (5)	VOC	0.01	0.01
TK7	Storage Tank (5)	VOC	0.01	0.01
TK8	Storage Tank (5)	VOC	0.01	0.01
TK9	Storage Tank (5)	VOC	0.01	0.01
TK11	Storage Tank (5)	VOC	0.01	0.01
TK12	Storage Tank	VOC	0.01	0.01
TK13	Storage Tank (5)	VOC	0.01	0.01
TK20	Storage Tank (5)	VOC	0.01	0.01

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TK22	Storage Tank	VOC	0.01	0.01
TK23	Storage Tank (5)	VOC	0.13	0.58
TK24	Storage Tank (5)	VOC	0.01	0.01
TK25	Storage Tank (5)	VOC	0.01	0.01
TK26	Storage Tank (5)	VOC	0.13	0.58
TK27	Storage Tank (5)	VOC	0.01	0.01
TK29	Storage Tank (5)	VOC	0.01	0.01
TK30	Storage Tank (5)	VOC	0.13	0.58
TK32	Storage Tank (5)	VOC	0.01	0.01
TK33	Storage Tank	VOC	0.01	0.01
TK37	Storage Tank (5)	VOC	0.01	0.01
TK38	Storage Tank	VOC	0.01	0.01
TK43	Storage Tank	VOC	0.01	0.01
TK47	Storage Tank (5)	VOC	0.01	0.01
TK48	Storage Tank (5)	VOC	0.01	0.01
TK49	Storage Tank (5)	VOC	0.01	0.01
TK50	Storage Tank (5)	VOC	0.01	0.01
TK52	Storage Tank (5)	VOC	0.01	0.01
TK53	Storage Tank (5)	VOC	0.01	0.01
TK54	Storage Tank (5)	VOC	0.01	0.01
TK57	Storage Tank (5)	VOC	0.01	0.01
TK58	Storage Tank (5)	VOC	0.01	0.01
TK59	Storage Tank (5)	VOC	0.01	0.01
TK60	Storage Tank (5)	VOC	0.01	0.01
Maintenance, Start-Up and Shutdown (MSS) Emissions				

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MSS-OX	Catalytic Oxidizer Startup	VOC	149.91	8.99
		PM	0.02	0.01
		NOx	0.21	0.01
		CO	457.00	27.42
		SO ₂	0.01	0.01
MSS-TO1	Thermal Oxidizer 1 Startup	VOC	14.70	0.19
		PM	0.01	0.01
		NOx	0.15	0.01
		CO	0.39	0.01
		SO ₂	0.01	0.01
MSS-Washwater	Washwater	VOC	4.85	0.01
MSS-Linebreak	Line Breaking	VOC	0.14	0.02
MSS-Filters	Filters	VOC	0.18	0.23
MSS-Tank Degassing	Tank Degassing	VOC	6.25	0.03
MSS-ATM	Inherently Low Emitting Activities	VOC	0.01	0.01

- (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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - PM₁₀ - particulate matter equal to or less than 10 microns in diameter
 - CO - carbon monoxide
 - NH₃ - ammonia
- (4) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (5) This source is authorized by unregistered Permit by Rule 106.472 or Permit by Rule Number 31724. Operation of this source is not authorized by Permit Number 4603 and is listed here for reference only.
- (6) The emission rate listed for Thermal Oxidizer 1 includes those emissions permitted by Permit Number 4603 as well as emissions authorized by Permits by Rule (PBR) Numbers 54148, 54256, 73972, 75981, 76806, 79696, and 85313 and Standard Permit Numbers 53676, 71512, and 82707.
- (7) The emission rate listed for the Methanol Storage Tank includes those emissions permitted by Permit Number 4603 as well as Standard Permit Number 34469.
- (8) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

Date: _____