

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 (5)
OX	Catalytic Oxidizer	VOC	9.27	40.60
		CO	15.00	65.70
		PM ₁₀	0.03	0.14
		SO ₂	0.01	0.01
		NO _x	0.21	0.94
TO-1	Thermal Oxidizer 1	VOC	1.81	7.97
		PM ₁₀	0.03	0.13
		SO ₂	0.01	0.01
		NO _x	0.30	1.30
		CO	0.78	3.42
		NH ₃	0.08	0.29
TO-2	Thermal Oxidizer 2	VOC	0.12	0.51
		PM ₁₀	0.01	0.03
		SO ₂	0.01	0.01
		NO _x	0.05	0.21
		CO	0.08	0.35

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BOIL-1	Boiler 1	VOC	0.13	0.56
		PM ₁₀	0.18	0.78
		SO ₂	0.01	0.06
		NO _x	1.17	5.11
		CO	0.35	1.53
BOIL-2	Boiler 2	VOC	0.11	0.48
		PM ₁₀	0.15	0.66
		SO ₂	0.01	0.05
		NO _x	1.99	8.73
		CO	1.67	7.33
TRUCK LOAD	Truck Loading	VOC	5.15	1.37
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	0.27	1.17
D-FUGITIVE	Fugitive Emissions, Formaldehyde Unit (4)	VOC	0.15	0.67
R-FUGITIVE	Fugitive Emissions, Resin Unit (4)	VOC	1.34	5.89
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	2.77	4.48
PHEN-1	Caustic Scrubber for Phenol Storage Tanks	VOC	0.04	0.02

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M-1	Methanol Storage Tank (Standing Losses)	VOC	1.06	0.81
TK-RM-5	Cresylic Acid Tank	VOC	0.56	0.01
TK-Tote	Portable Tank Filling	VOC	0.23	1.03
Maintenance, Start-Up and Shutdown (MSS) Emissions				
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	4.91	0.28
MSS-Linebreak	Line Breaking	VOC	0.14	0.02
MSS-Filters	Filters	VOC	0.18	0.24
MSS-Tank Degassing	Tank Degassing	VOC	6.25	0.03
MSS-ATM	Inherently Low Emitting Activities	VOC	0.01	0.01

Permit by rule (PBR) sources incorporated by reference. Sources remain authorized by the PBR(s) as listed below:

Permit-by-Rule 106.472

T-T Tank	Transportation Diesel Storage Tank	VOC	0.87	0.01
TK2	Storage Tank	VOC	0.10	0.01
TK3	Storage Tank	VOC	0.10	0.01

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TK4	Storage Tank	VOC	0.02	0.01
TK6	Storage Tank	VOC	0.10	0.01
TK7	Storage Tank	VOC	0.10	0.01
TK8	Storage Tank	VOC	0.10	0.01
TK9	Storage Tank	VOC	0.10	0.01
TK11	Storage Tank	VOC	0.10	0.01
TK12	Storage Tank	VOC	0.13	0.01
TK13	Storage Tank	VOC	0.13	0.01
TK22	Storage Tank	VOC	0.74	0.05
TK23	Storage Tank	VOC	13.50	0.53
TK24	Storage Tank	VOC	0.08	0.01
TK25	Storage Tank	VOC	0.02	0.01
TK26	Storage Tank	VOC	1.29	0.04
TK27	Storage Tank	VOC	1.29	0.04
TK29	Storage Tank	VOC	1.29	0.04
TK30	Storage Tank	VOC	13.50	0.53
TK32	Storage Tank	VOC	0.13	0.01
TK33	Storage Tank	VOC	0.13	0.01
TK37	Storage Tank	VOC	0.10	0.01
TK38	Storage Tank	VOC	0.08	0.01
TK43	Storage Tank	VOC	0.08	0.01
TK47	Storage Tank	VOC	0.08	0.01
TK48	Storage Tank	VOC	0.22	0.01
TK49	Storage Tank	VOC	0.87	0.02
TK50	Storage Tank	VOC	1.18	0.08
TK52	Storage Tank	VOC	0.08	0.01

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TK53	Storage Tank	VOC	0.11	0.05
TK57	Storage Tank	VOC	1.29	0.05
TK58	Storage Tank	VOC	1.29	0.05
TK59	Storage Tank	VOC	1.29	0.05
TK60	Storage Tank	VOC	1.29	0.05

- (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) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

DATE: March 24, 2017