

Emission Sources - Maximum Allowable Emission Rates

Permit Number 141280

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)
BLR-1	Boiler 1	VOC	0.03	0.15
		NO _x	0.23	0.99
		SO ₂	< 0.01	0.04
		CO	0.52	2.27
		PM	0.05	0.21
		PM ₁₀	0.05	0.21
		PM _{2.5}	0.05	0.21
BLR-2	Boiler 2	VOC	0.03	0.15
		NO _x	0.23	0.99
		SO ₂	< 0.01	0.04
		CO	0.52	2.27
		PM	0.05	0.21
		PM ₁₀	0.05	0.21
		PM _{2.5}	0.05	0.21
VCU-1	Vapor Combustor	VOC	13.08	4.90
		NO _x	6.95	11.65
		SO ₂	5.48	11.86
		CO	2.20	9.65
		HCl	0.04	0.15
		PM	0.06	0.26
		PM ₁₀	0.06	0.26
		PM _{2.5}	0.06	0.26
CL-1	Uncontrolled Cleaning	VOC	67.69	-
		IOC-U	0.30	-

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CL-1	Deheeling	VOC	0.87	-
		IOC-U	< 0.01	-
CL-1	Uncontrolled Cleaning and Deheeling	VOC	-	8.75
		IOC-U	-	1.65
WWS-1	Wastewater Collection Sump	VOC	3.09	-
		IOC-U	< 0.01	-
WWT-1	Wastewater Tank 1	VOC	3.09	-
		IOC-U	< 0.01	-
WWT-2	Wastewater Tank 2	VOC	3.09	-
		IOC-U	< 0.01	-
WWT-3	Wastewater Tank 3	VOC	3.09	-
		IOC-U	< 0.01	-
DAF	Dissolved Air Flotation Tank	VOC	3.09	-
		IOC-U	< 0.01	-
CLR	Clarifier Tank	VOC	3.09	-
		IOC-U	< 0.01	-
SLDG	Sludge Holding Tank	VOC	3.09	-
		IOC-U	< 0.01	-
Sump and Tank Combined Total		VOC	3.09	4.89
		IOC-U	0.06	0.01
WWL-1	Wastewater Loading	VOC	0.24	0.45
		IOC-U	< 0.01	< 0.01
FUG	Fugitives (5)	VOC	< 0.01	< 0.01
		IOC-U	< 0.01	< 0.01
VTRK-2 (MSS)	Wastewater Collection Sump	VOC	0.16	< 0.01
		IOC-U	< 0.01	< 0.01

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VTRK-1 (MSS)	Wastewater Tank 1	VOC	0.86	< 0.01
		IOC-U	< 0.01	< 0.01
VTRK-1 (MSS)	Wastewater Tank 2	VOC	0.86	< 0.01
		IOC-U	< 0.01	< 0.01
VTRK-1 (MSS)	Wastewater Tank 3	VOC	0.86	< 0.01
		IOC-U	< 0.01	< 0.01
VTRK-2 (MSS)	Dissolved Air Flotation Tank	VOC	0.65	< 0.01
		IOC-U	< 0.01	< 0.01
VTRK-2 (MSS)	Clarifier Tank	VOC	0.65	< 0.01
		IOC-U	< 0.01	< 0.01
VTRK-2 (MSS)	Sludge Holding Tank	VOC	1.75	0.09
		IOC-U	< 0.01	< 0.01
All Emission Points	Site Wide	Individual HAP	-	< 10.00
		Total HAPs	-	< 25.00

- (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
 - IOC-U - inorganic compounds (unspeciated)
 - 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
 - HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
 - HCl - hydrogen chloride
- (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: September 8, 2017