

Emission Sources - Maximum Allowable Emission Rates

Permit Number 34310

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 (6)	
			lbs/hour	TPY (4)
BLDFUG	Building Fugitives	VOC	0.18	0.78
		PM	0.05	0.21
		PM ₁₀	0.02	0.10
		PM _{2.5}	<0.01	0.01
BLD2FUG	Building 2 Fugitives	VOC	0.18	0.78
		PM	0.01	0.06
		PM ₁₀	0.01	0.03
		PM _{2.5}	<0.01	<0.01
DC-3	Finished Sand Storage Dust Collector	PM	0.38	1.28
		PM ₁₀	0.18	0.60
		PM _{2.5}	0.03	0.09
DC-11	Line 1 Sand Heater Baghouse	PM	0.03	0.14
		PM ₁₀	0.02	0.07
		PM _{2.5}	<0.01	0.01
		NO _x (5)	0.65	2.83
		CO (5)	0.54	2.38
		VOC (5)	0.04	0.16
		SO ₂ (5)	<0.01	0.02
		PM (5)	0.05	0.22
		PM ₁₀ (5)	0.05	0.22
		PM _{2.5} (5)	0.05	0.22
DC-12	Line 1 Process Dust Collector	PM	0.18	0.79
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.01	0.06

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TO-1	Thermal Oxidizer	NO _x	5.13	12.84
		CO	13.18	16.67
		PM	1.88	7.13
		PM ₁₀	1.24	4.31
		PM _{2.5}	0.92	2.90
		VOC (process)	0.86	1.55
		VOC (5)	0.43	1.07
		SO ₂	0.05	0.12
		NH ₃	0.18	0.45
PORTCONV	Portable Conveyor System	PM	0.14	0.02
		PM ₁₀	0.14	0.02
		PM _{2.5}	0.14	0.02
		PM (5)	0.10	1.00
		PM ₁₀ (5)	0.10	1.00
		PM _{2.5} (5)	0.10	1.00
		CO (5)	0.92	4.00
		NO _x (5)	2.49	10.89
		SO ₂ (5)	0.26	1.10
		VOC (5)	0.31	1.35
SH-2	Heater Combustion Emissions	NO _x	1.41	6.18
		CO	1.19	5.19
		PM	0.11	0.47
		PM ₁₀	0.11	0.47
		PM _{2.5}	0.11	0.47
		VOC	0.08	0.34
		SO ₂	0.01	0.04
DC-21	Line 2 Raw Sand Transfer and Storage Baghouse	PM	1.18	4.21
		PM ₁₀	0.56	1.99
		PM _{2.5}	0.08	0.30
DC-22	Line 2 Process Dust Collector	PM	0.09	0.37
		PM ₁₀	0.04	0.18

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		PM _{2.5}	0.01	0.03
TK-Resin-1	Resin Tank 1	VOC	0.16	0.07
TK-Resin-2	Resin Tank 2	VOC	0.16	0.10
TK-Resin-3	Resin Tank 3	VOC	0.16	0.07
AT-01	Resin Day Tank	VOC	<0.01	0.02
AT-02	Chem B Tank	VOC	1.84	0.01
CT-01	Cooling Tower	PM	0.06	0.26
		PM ₁₀	0.06	0.26
		PM _{2.5}	0.06	0.26
MSS-FUGVAC	MSS-FUGVAC	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
MSS	MSS Activities	CO	45.20	9.05
		NO _x	7.30	1.46
		PM	5.00	0.21
		PM ₁₀	5.00	0.08
		PM _{2.5}	5.00	0.08
		VOC	3.40	0.53
		SO ₂	0.47	0.09
MHFUG-01	Material Handling Fugitives from Outdoor Drops	PM	0.62	2.17
		PM ₁₀	0.29	1.03
		PM _{2.5}	0.04	0.16
All Emission Points at the Site	All Sources at the Site	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
 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
 NH₃ - ammonium
 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
 - (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
 - (5) Product of combustion.
- Project Number: 275827

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(6) The allowable emission rates include planned maintenance, startup, and shutdown activities.

Date: January 16, 2019