

Emission Sources - Maximum Allowable Emission Rates

Permit Number 1627

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)
BAGV1	Electric Arc Furnace Baghouse Stack (Electric Arc Furnace No. 1 and No. 2)	PM	6.00	19.80
		PM ₁₀	6.00	19.80
		PM _{2.5}	6.00	19.80
		NO _x	2.00	4.20
		CO	50.00	105.00
		VOC	3.00	6.30
POURFUG1	Pouring Operation Fugitives (5)	PM	1.15	3.03
		PM ₁₀	0.04	0.12
		PM _{2.5}	0.04	0.12
		NO _x	<0.01	0.02
		VOC	4.54	8.15
BAGV4	Shakeout Stations and Barrel Breakdown Baghouse Stack	PM	6.52	17.52
		PM ₁₀	6.52	17.52
		PM _{2.5}	6.52	17.52
		NO _x	0.01	0.02
		VOC	3.03	8.15
BAGV5	Cooler Classifier Baghouse Stack (2 Cooler Classifiers, 3 Elevator Head Sections, and Silo Nos. ST6 and ST9)	PM	0.51	2.25
		PM ₁₀	0.51	2.25
		PM _{2.5}	0.51	2.25
		VOC	<0.01	0.02

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BAGV6	Thermal Sand Reclaimer System and Silo No. ST1 Baghouse Stack	PM	1.63	6.10
		PM ₁₀	1.63	6.10
		PM _{2.5}	1.63	6.10
		NO _x	0.55	2.04
		CO	0.13	0.47
		SO ₂	<0.01	<0.01
		VOC	0.82	3.06
BAGV7	Sand Silos Baghouse Stack (Silo Nos. ST2, ST3, ST4, and ST5)	PM	2.57	10.87
		PM ₁₀	2.57	10.87
		PM _{2.5}	2.57	10.87
		VOC	0.03	0.11
BAGV10	Electric Induction Furnace Baghouse Stack	PM	0.77	2.94
		PM ₁₀	0.77	2.94
		PM _{2.5}	0.77	2.94
BINV1	Sand Silo 8 Bin Vent	PM	0.06	0.28
		PM ₁₀	0.06	0.28
		PM _{2.5}	0.06	0.28
		VOC	<0.01	<0.01
BINV2	Sand Silo 7 Bin Vent	PM	0.06	0.28
		PM ₁₀	0.06	0.28
		PM _{2.5}	0.06	0.28
		VOC	<0.01	<0.01
CLTWR07	Cooler Classifier Cooling Tower	PM	0.06	0.25
		PM ₁₀	0.06	0.25
		PM _{2.5}	0.06	0.25
CTLTWR08	Electric Induction Furnace Cooling Tower	PM	0.02	0.07
		PM ₁₀	0.02	0.07
		PM _{2.5}	0.02	0.07

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- (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
- (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) Planned startup and shutdown emissions are included. Maintenance activities, are not authorized by this permit and will need separate authorization, unless the activity can meet the conditions of 30 TAC § 116.119.

Date: April 10, 2015