

Emission Sources - Maximum Allowable Emission Rates

Special Permit Number 9806

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)
ASTRH	AirSet Thermal Reclaimer Heater	PM	0.08	-
		PM ₁₀	0.08	-
		PM _{2.5}	0.08	-
		CO	0.91	-
		NO _x	1.08	-
		SO ₂	0.01	-
		VOC	0.06	-
		Pb	<0.01	
		HAPs	0.02	
BH9	AirSet Thermal Reclaimer Baghouse	PM	0.06	-
		PM ₁₀	0.06	-
		PM _{2.5}	0.06	-
		CO	0.05	-
		NO _x	0.71	-
		VOC	0.01	-
		HAPs	<0.01	
MBF	Processes inside the Main Building including FINS SCR, EIF, MT, GS-MPC, AS-MPC, AS-DM, GS-SO, CF, OPH, SPF, AS-MMSP, GS-MMSP, PUCB-CM, PUNB-CM, MCSP, SCM, WSDH, and WSGH (5)	PM	1.62	-
		PM ₁₀	0.76	-
		PM _{2.5}	0.44	-
		CO	20.75	-
		SO ₂	0.18	-
		NO _x	0.43	-
		VOC	31.73	-
		Acetone	1.52	-

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		Pb	<0.01	-
		HAPs	6.59	-
SPF	Scrap Preheat Furnace	PM	0.01	-
		PM ₁₀	0.01	-
		PM _{2.5}	0.01	-
		CO	0.07	-
		NO _x	0.09	-
		VOC	<0.01	-
		SO ₂	<0.01	-
		Pb	<0.01	-
		HAPs	<0.01	-
HTF	Heat Treat Furnaces	PM	0.13	-
		PM ₁₀	0.13	-
		PM _{2.5}	0.13	-
		CO	1.48	-
		NO _x	1.76	-
		VOC	0.10	-
		SO ₂	0.01	-
		Pb	<0.01	-
		HAPs	0.03	-
BH-1	AirSet Sand Reclamation North Baghouse	PM	0.09	-
		PM ₁₀	0.09	-
		PM _{2.5}	0.09	-
BH-2	Rotoblast & Snag Grinder Baghouse	PM	0.02	-
		PM ₁₀	0.01	-
		PM _{2.5}	<0.01	-
BH-3	Green Sand Shakeout Baghouse	PM	0.13	-
		PM ₁₀	0.09	-
		PM _{2.5}	0.01	-

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BH-4	North Shotblast, Cut-off Saw & Swing Grinder Baghouse	PM	0.04	-
		PM ₁₀	0.03	-
		PM _{2.5}	0.01	-
BH-5	Palmer PUNB Sand Mixer Baghouse	PM	0.09	-
		PM ₁₀	0.09	-
		PM _{2.5}	0.09	-
BH-6	South Shotblast Baghouse	PM	<0.01	-
		PM ₁₀	<0.01	-
		PM _{2.5}	<0.01	-
BH-7	AirSet Sand Reclamation South Baghouse	PM	0.17	-
		PM ₁₀	0.17	-
		PM _{2.5}	0.17	-
BH-8	8-foot Shotblast Baghouse	PM	0.01	-
		PM ₁₀	<0.01	-
		PM _{2.5}	<0.01	-
PS	Pattern Shop (5)	PM	0.01	-
		PM ₁₀	<0.01	-
		PM _{2.5}	<0.01	-
MSS	Maintenance - Baghouse Bags Replacement	PM	0.50	-
		PM ₁₀	0.25	-
		PM _{2.5}	0.05	-
SITECAP	Sitewide Emission Cap	PM	-	3.90
		PM ₁₀	-	2.61
		PM _{2.5}	-	1.98
		CO	-	35.19
		NO _x	-	11.50
		SO ₂	-	0.29
		VOC	-	64.92
		Acetone	-	3.00

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		Pb	-	<0.01
		HAPs	-	7.51

- (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
Pb - lead
HAPs - hazardous air pollutants.
- (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 except specified.

Date: October 21, 2021