

# 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 Stack	PM	0.08	0.18
		PM <sub>10</sub>	0.08	0.18
		PM <sub>2.5</sub>	0.08	0.18
		CO	0.91	2.04
		NO <sub>x</sub>	1.08	2.43
		SO <sub>2</sub>	0.01	0.02
		VOC	0.06	0.13
BH9	AirSet Thermal Reclaimer Baghouse Stack	PM	0.06	0.27
		PM <sub>10</sub>	0.06	0.27
		PM <sub>2.5</sub>	0.06	0.27
		CO	0.05	0.16
		NO <sub>x</sub>	0.71	2.37
		VOC	0.01	0.03
T-1	Sand Tank 1 Baghouse Stack	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
T-2	Sand Tank 2 Baghouse Stack	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
T-3	Sand Tank 3 Baghouse Stack	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01

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T-4	Sand Tank 4 Baghouse Stack	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
T-5	Sand Tank 5 Baghouse Stack	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
T-6	Sand Tank 6 Baghouse Stack	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
F-1	Electric Induction Furnace 1 Exhaust Fans	PM	1.44	2.25
		PM <sub>10</sub>	1.44	2.25
		PM <sub>2.5</sub>	1.44	2.25
F-2	Electric Induction Furnace 2 Exhaust Fans	PM	1.44	2.25
		PM <sub>10</sub>	1.44	2.25
		PM <sub>2.5</sub>	1.44	2.25
CORE-FUG	Core Making Fugitives (5)	PM	1.15	3.44
		PM <sub>10</sub>	0.58	1.72
		PM <sub>2.5</sub>	0.58	1.72
CLEAN-FUG	Cleaning and Finishing Fugitives (5)	PM	0.42	1.25
		PM <sub>10</sub>	0.21	0.63
		PM <sub>2.5</sub>	0.21	0.63
SCRAP-FUG	Scrap and Charge Fugitives (5)	PM	0.83	2.50
		PM <sub>10</sub>	0.42	1.25
		PM <sub>2.5</sub>	0.42	1.25
SPF	Scrap Preheater Furnace Vent	PM	0.01	0.02
		PM <sub>10</sub>	0.01	0.02
		PM <sub>2.5</sub>	0.01	0.02
		CO	0.08	0.22
		NO <sub>x</sub>	0.09	0.26

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		SO <sub>2</sub>	<0.01	<0.01
		VOC	<0.01	0.01
BH-1	Sand Handling Area Baghouse Stack	PM	5.49	8.53
		PM <sub>10</sub>	5.49	8.53
		PM <sub>2.5</sub>	5.49	8.53

- (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<sub>x</sub>
  - total oxides of nitrogen
- SO<sub>2</sub>
  - sulfur dioxide
- PM
  - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
- PM<sub>10</sub>
  - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
- PM<sub>2.5</sub>
  - 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.

Date: January 8, 2019