

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 95814

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)
12A	Atomizer Furnace 1 Stack	PM	0.13	0.47
		PM <sub>10</sub>	0.13	0.47
		PM <sub>2.5</sub>	0.13	0.47
		NO <sub>x</sub>	3.70	6.37
		CO	1.45	5.19
		SO <sub>2</sub>	0.01	0.04
		VOC	0.10	0.34
12B	Atomizer Furnace 2 Stack	PM	0.13	0.47
		PM <sub>10</sub>	0.13	0.47
		PM <sub>2.5</sub>	0.13	0.47
		NO <sub>x</sub>	3.70	6.37
		CO	1.45	5.19
		SO <sub>2</sub>	0.01	0.04
		VOC	0.10	0.34
12C-1	Secondary Cyclone Stack	PM	3.32	7.34
		PM <sub>10</sub>	3.32	7.34
		PM <sub>2.5</sub>	3.32	7.34

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12C-2	Secondary Cyclone Stack	PM	3.32	7.34
		PM <sub>10</sub>	3.32	7.34
		PM <sub>2.5</sub>	3.32	7.34
12C-3	Secondary Cyclone Stack	PM	3.32	7.34
		PM <sub>10</sub>	3.32	7.34
		PM <sub>2.5</sub>	3.32	7.34
12C-4	Secondary Cyclone Stack	PM	3.32	7.34
		PM <sub>10</sub>	3.32	7.34
		PM <sub>2.5</sub>	3.32	7.34
12C-5	Secondary Cyclone Stack	PM	3.32	7.34
		PM <sub>10</sub>	3.32	7.34
		PM <sub>2.5</sub>	3.32	7.34
12C-6	Secondary Cyclone Stack	PM	3.32	7.34
		PM <sub>10</sub>	3.32	7.34
		PM <sub>2.5</sub>	3.32	7.34
12C-7	Secondary Cyclone Stack	PM	3.32	7.34
		PM <sub>10</sub>	3.32	7.34
		PM <sub>2.5</sub>	3.32	7.34
12C-8	Secondary Cyclone Stack	PM	3.32	7.34
		PM <sub>10</sub>	3.32	7.34
		PM <sub>2.5</sub>	3.32	7.34
12C-9	Secondary Cyclone Stack	PM	3.32	7.34
		PM <sub>10</sub>	3.32	7.34

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		PM <sub>2.5</sub>	3.32	7.34
12C-10	Secondary Cyclone Stack	PM	3.32	7.34
		PM <sub>10</sub>	3.32	7.34
		PM <sub>2.5</sub>	3.32	7.34
12C-11	Secondary Cyclone Stack	PM	3.32	7.34
		PM <sub>10</sub>	3.32	7.34
		PM <sub>2.5</sub>	3.32	7.34
12C-12	Secondary Cyclone Stack	PM	3.32	7.34
		PM <sub>10</sub>	3.32	7.34
		PM <sub>2.5</sub>	3.32	7.34
12D	Atomizer Furnace 3 Stack	PM	0.09	0.32
		PM <sub>10</sub>	0.09	0.32
		PM <sub>2.5</sub>	0.09	0.32
		NO <sub>x</sub>	2.52	4.35
		CO	0.99	3.54
		SO <sub>2</sub>	0.01	0.03
		VOC	0.07	0.23

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12K1	Nozzle Preheat Oven 1 Stack	PM	<0.01	0.02
		PM <sub>10</sub>	<0.01	0.02
		PM <sub>2.5</sub>	<0.01	0.02
		NO <sub>x</sub>	0.07	0.12
		CO	0.03	0.11
		SO <sub>2</sub>	<0.01	<0.01
		VOC	<0.01	0.01
12K2	Nozzle Preheat Oven 2 Stack	PM	<0.01	0.02
		PM <sub>10</sub>	<0.01	0.02
		PM <sub>2.5</sub>	<0.01	0.02
		NO <sub>x</sub>	0.07	0.12
		CO	0.03	0.11
		SO <sub>2</sub>	<0.01	<0.01
		VOC	<0.01	0.01
12M	Air Preheater Oven 1 Stack	PM	0.06	0.21
		PM <sub>10</sub>	0.06	0.21
		PM <sub>2.5</sub>	0.06	0.21
		NO <sub>x</sub>	1.68	2.90
		CO	0.66	2.36
		SO <sub>2</sub>	0.01	0.02
		VOC	0.04	0.16
12P	Packout Fugitives (5)	PM	0.13	0.41
		PM <sub>10</sub>	0.13	0.41

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		PM <sub>2.5</sub>	0.13	0.41
12S	Inert Gas Generator No. 1 Stack	PM	0.03	0.10
		PM <sub>10</sub>	0.03	0.10
		PM <sub>2.5</sub>	0.03	0.10
		NO <sub>x</sub>	0.76	1.31
		CO	0.30	1.06
		SO <sub>2</sub>	<0.01	0.01
		VOC	0.02	0.07
12T	Inert Gas Generator No. 2 Stack	PM	0.03	0.10
		PM <sub>10</sub>	0.03	0.10
		PM <sub>2.5</sub>	0.03	0.10
		NO <sub>x</sub>	0.76	1.31
		CO	0.30	1.06
		SO <sub>2</sub>	<0.01	0.01
		VOC	0.02	0.07
12U	Inert Gas Generator No. 3 Stack	PM	0.03	0.10
		PM <sub>10</sub>	0.03	0.10
		PM <sub>2.5</sub>	0.03	0.10
		NO <sub>x</sub>	0.76	1.31
		CO	0.30	1.06
		SO <sub>2</sub>	<0.01	0.01
		VOC	0.02	0.07
12V	Atomizer Cambelt 1 Vent	PM	0.45	0.33

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		PM <sub>10</sub>	0.45	0.33
		PM <sub>2.5</sub>	0.45	0.33
		NO <sub>x</sub>	0.57	0.98
		CO	0.23	0.80
		SO <sub>2</sub>	<0.01	<0.01
		VOC	<0.02	0.06

- (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.

Dated: July 16, 2018