

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 5709

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)
5	Paint Spray Booth Stack	VOC	0.82	0.82
6	Sand Blast Baghouse Stack	PM	0.012	0.012
		PM <sub>10</sub>	0.012	0.012
		PM <sub>2.5</sub>	0.001	0.001
10	Blending Baghouse Stack	PM	<0.02	<0.02
		PM <sub>10</sub>	<0.02	<0.02
		PM <sub>2.5</sub>	0.002	0.002
13	Battery Formation Scrubber Stack FINs (Nitrates Process and Storage Vessels)	NO <sub>x</sub>	2.51	0.76
		HNO <sub>3</sub>	0.012	<0.001
13-MSS	MSS-Battery Formation Scrubber Stack FINs (Nitrate Process Vessels)	HNO <sub>3</sub>	<0.002	<0.0001
23	Atmospheric Gas Generator Stack (Warmup Mode)	NO <sub>x</sub>	0.03	0.13
		CO	<0.03	<0.12
		SO <sub>2</sub>	0.001	<0.001
		VOC	0.002	<0.01
		PM	0.002	0.010
		PM <sub>10</sub>	0.002	0.010
		PM <sub>2.5</sub>	0.002	0.010

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24	Atmospheric Gas Generator Stack (Production Mode)	NO <sub>x</sub>	0.03	0.13
		CO	<0.03	<0.12
		SO <sub>2</sub>	0.001	<0.001
		VOC	0.002	<0.01
		PM	0.002	0.010
		PM <sub>10</sub>	0.002	0.010
		PM <sub>2.5</sub>	0.002	0.010
25A	Acid Scrubber 25A Stack FIN (Battery Plate Drying)	HNO <sub>3</sub>	0.002	<0.01
25B	Acid Scrubber 25B Stack FIN (Battery Plate Drying)	HNO <sub>3</sub>	0.002	<0.01
26A	Caustic Scrubber 26A Stack FIN (Caustic Dip Tank)	NaOH	<0.0001	<0.0001
26B	Caustic Scrubber 26B Stack FIN (Caustic Dip Tank)	NaOH	<0.0001	<0.0001
27	Cell Sealing Room Vent	Phenol	<0.02	0.02
28	HEPA Exhaust Stack FINs (Clean Room Processes)	PM	<0.00002	<0.0001
		PM <sub>10</sub>	<0.00002	<0.0001
		PM <sub>2.5</sub>	<0.00002	<0.0001
		Cd	<0.00002	<0.0001
36	Curing Oven Stack	NO <sub>x</sub>	0.01	0.05
		CO	<0.01	0.04
		SO <sub>2</sub>	0.0001	0.0003
		VOC	0.001	0.003
		PM	0.001	0.004
		PM <sub>10</sub>	0.001	0.004

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		PM <sub>2.5</sub>	0.001	0.004
BLDGFUG	Building Fugitives FINs (Glass Bead Blasting Cabinet and Repair Station Blasting Cabinet)	PM	0.024	0.012
		PM <sub>10</sub>	0.024	0.012
		PM <sub>2.5</sub>	0.0024	0.0012
BLASTCAB	Abrasive Blast Cabinet Stack	PM	0.08	0.08
		PM <sub>10</sub>	0.08	0.08
		PM <sub>2.5</sub>	<0.01	<0.01
BASKBLAST	Abrasive Basket Blaster Stack	PM	0.05	0.05
		PM <sub>10</sub>	0.05	0.05
		PM <sub>2.5</sub>	0.005	0.005
SNPLATE	Nickel Plating Wet Scrubber Stack FINs (Nickel Plating Process Vessels)	PM	<0.0002	<0.0003
		PM <sub>10</sub>	<0.0002	<0.0003
		PM <sub>2.5</sub>	<0.0002	<0.0003
		Ni	<0.0002	<0.0003
		NaOH	<0.002	<0.00002
		2-Butoxy ethanol	<0.00005	<0.00001
EVAP	Wastewater Evaporator Stack	VOC	0.0134	0.014
EVAPHTR	Wastewater Evaporator Heater Stack	NO <sub>x</sub>	0.021	0.021
		CO	<0.02	<0.02
		VOC	<0.02	<0.01
		SO <sub>2</sub>	<0.001	<0.001
		PM	<0.002	<0.002
		PM <sub>10</sub>	<0.002	<0.002
		PM <sub>2.5</sub>	<0.002	<0.002

- (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

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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
HNO <sub>3</sub>	- nitric acid
NaOH	- sodium hydroxide
Cd	- cadmium
Ni	- nickel

- (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 except for planned maintenance for the battery formation scrubber are not authorized by this permit and will need separate authorization unless the activity can meet conditions of 30 TAC 116.119.

Date: June 28, 2016