

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 9540

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. 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)	<u>Emission Rates</u>	
			lb/hr	TPY
1	Tunnel Kiln Scrubber	NO <sub>x</sub>	2.15	9.41
		VOC	1.72	7.54
		CO	17.27	75.63
		PM	2.40	10.47
		PM <sub>10</sub>	1.20	5.20
		SO <sub>2</sub>	27.02	118.33
		HF	1.85	8.09
		HCl	1.49	6.53
2	Dryer Room Exhaust	NO <sub>x</sub>	0.10	0.44
		VOC	2.01	8.80
		CO	2.00	8.76
		PM	3.68	16.14
		PM <sub>10</sub>	1.84	8.07
		SO <sub>2</sub>	0.57	2.48
		HF	0.05	0.21
		HCl	0.06	0.27
3	Grog Crusher (4)	PM	0.02	<0.01
		PM <sub>10</sub>	0.01	<0.01
4	Dry Scrap Drop (4)	PM	<0.01	<0.01
		PM <sub>10</sub>	0.01	<0.01
5	Boiler	NO <sub>x</sub>	0.11	0.48
		VOC	0.01	0.03
		CO	0.09	0.41
		PM	0.01	0.04
		PM <sub>10</sub>	0.01	0.04
		SO <sub>2</sub>	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			lb/hr	TPY
6	Generator (67-hp)	NO <sub>x</sub>	2.08	0.10
		VOC	0.19	0.01
		CO	0.45	0.02
		PM	0.15	0.01
		PM <sub>10</sub>	0.15	0.01
		SO <sub>2</sub>	0.14	0.01
7	500-Gallon Gasoline Tank	VOC	0.01	0.10
8	1,000-Gallon Diesel Tank	VOC	0.01	0.10
FUG 1	Grog Grinding Building (4)	PM	0.38	0.19
		PM <sub>10</sub>	0.10	0.04
FUG 2	Clay Grinding Building (4)	PM	0.86	1.34
		PM <sub>10</sub>	<0.01	<0.01
FUG 3	Manufacturing Building (4)	PM	0.42	0.79
		PM <sub>10</sub>	<0.01	<0.01
FUG 4	Limestone Grinding Fugitives (4)	PM	0.17	0.29
		PM <sub>10</sub>	0.01	<0.01
FUG 5	Limestone Storage (4)	PM	0.11	0.50
		PM <sub>10</sub>	0.06	0.25
FUG 6	Dry Additive Mixing Room Building (4)	PM	0.30	0.47
		PM <sub>10</sub>	<0.01	<0.01

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- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3)
  - NO<sub>x</sub> - total oxides of nitrogen
  - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - CO - carbon monoxide
  - PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>
  - PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter.
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter.
  - SO<sub>2</sub> - sulfur dioxide
  - HF - hydrogen fluoride
  - HCl - hydrogen chloride
- (4) Fugitive emissions are an estimate only.

Dated December 21, 2010