

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number T-19550

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)	Emission Rates	
			lb/hr	TPY
2	Lead Oxide Storage Baghouse Stack	Pb	0.0015	0.0046
		PM/PM ₁₀	0.07	0.21
5	Process Baghouse Stack	PM/PM ₁₀	4.31	12.92
		Pb	0.1886	0.5657
		NO _x	0.11	0.32
		SO ₂	<0.01	<0.01
		CO	0.04	0.08
		VOC	<0.01	0.03
6	Vacuum System Baghouse Stack	PM/PM ₁₀	0.02	0.05
		Pb	0.0040	0.0118
7	Grid Casting Exhaust Stack	PM/PM ₁₀	1.50	4.50
		Pb	0.0652	0.1955
		NO _x	0.04	0.12
		SO ₂	<0.01	<0.01
		CO	0.01	0.03
		VOC	<0.01	0.01
9	Final Assembly Exhaust Stack	PM/PM ₁₀	0.48	1.44
		Pb	0.0378	0.1132
		NO _x	0.01	0.02
		SO ₂	<0.01	<0.01
		CO	<0.01	<0.01
		VOC	<0.01	<0.01
10	Battery Formation (4)	H ₂ SO ₄	0.03	0.11
11	Lead Pot Furnace Heater Stack	PM/PM ₁₀	0.01	0.02
		NO _x	0.05	0.15
		SO ₂	<0.01	<0.01

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Emission Point No. (1)	Source Name (3) TPY	Air Contaminant Name (2)	Emission Rates lb/hr	
		CO	0.01	0.03
		VOC	<0.01	0.01
12	Lead Oxide Mill 2 Baghouse Stack (Barton Pot Reactor, Classifier, and Cyclone)	PM/PM ₁₀	0.011	0.04
		Pb	0.0075	0.025
13	Lead Oxide Mill 2 Heater Stack	NO _x	0.10	0.34
		CO	0.09	0.28
		PM/PM ₁₀	<0.01	0.07
		SO ₂	<0.01	<0.01
		VOC	<0.01	0.02
14	Lead Oxide Mill 1 Baghouse Stack (Barton Pot Reactor, Classifier, and Cyclone)	PM/PM ₁₀	0.011	0.04
		Pb	0.0075	0.025
15	Lead Oxide Mill 1 Heater Stack	NO _x	0.10	0.34
		CO	0.09	0.28
		PM/PM ₁₀	<0.01	0.07
		SO ₂	<0.01	0.02
		VOC	<0.01	0.03

(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 - particulate matter including PM₁₀

PM₁₀ - particulate matter equal to or less than 10 microns in diameter

CO - carbon monoxide

Pb - lead and lead compounds

H₂SO₄ - sulfuric acid

(4) Fugitive emissions are an estimate only.

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Emission Point No. (1)	Source Name (3) TPY	Air Contaminant Name (2)	<u>Emission Rates</u> lb/hr
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Dated July 14, 2006