

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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Permit Number 3048A

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
11	Oxide Reactor No. 3 Baghouse Stack	Pb	0.050	0.21
12	Oxide Reactor No. 2 Baghouse Stack	Pb	0.03	0.13
13	Oxide Reactor No. 1 Baghouse Stack	Pb	0.05	0.21
14	Oxide Hygiene Baghouse Stack(MELTPOT1, MELTPOT2, and MELTPOT3)	PM/PM ₁₀	0.32	1.34
		Pb	0.03	0.13
15	North Hammermill Baghouse Stack	Pb	0.050	0.21
16	Oxide Reactor No. 4 Baghouse Stack	Pb	0.02	0.07
17	South Hammermill Baghouse Stack	Pb	0.050	0.21
24	Oxide Reactor No. 5 Baghouse Stack	Pb	0.006	0.03

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25	Oxide Reactor No. 6 Baghouse Stack	Pb	0.004	0.02
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26	Oxide Central Vacuum System Baghouse Stack	Pb	0.001	<0.01
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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
27	West Truck Loading Fug (4)	Pb	0.001	<0.01
28	East Truck Loading Fug (4)	Pb	0.001	<0.01
46	Oxide Building fugitives (4) TROUGH1C and TROUGH2C	SO ₂	<0.01	<0.01
		NO _x	0.07	0.30
		CO	0.13	
		VOC	0.02	
		PM/PM ₁₀	<0.01	0.02
56	Oxide Process Combustion Sources 1 Stack (Melt Pot 2, Reactor 2 and 4)	SO ₂	<0.01	0.01
		NO _x	0.39	1.72
		CO	0.33	1.44
		VOC	0.09	
		PM/PM ₁₀	0.03	0.13
57	Oxide Process Combustion Sources 2 Stack (Melt Pot 1 and Reactor 1 and 2)	SO ₂	<0.01	0.01
		NO _x	0.39	1.72
		CO	0.33	1.44
		VOC	0.09	
		PM/PM ₁₀	0.03	0.13
58	Oxide Process Combustion Sources 3 Stack (Melt Pot 3 and Reactor 5 and 6)	SO ₂	<0.01	0.01
		NO _x	0.39	1.72
		CO	0.33	1.44
		VOC	0.09	
		PM/PM ₁₀	0.03	0.13

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- (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 the Title 30 Texas Administrative Code § 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - PM - particulate matter, suspended in the atmosphere, including PM₁₀.
 - PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
 - CO - carbon monoxide
 - Pb - lead and lead compounds as lead
- (4) Fugitive emissions are an estimate only.

24 Hrs/day 7 Days/week or 8,400 Hrs/year

Dated June 8, 2006