

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 23499

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*
CWT1	Cooling Tower No. 1	PM/PM ₁₀ (4)	0.05	0.20
CWT2	Cooling Tower No. 2	PM/PM ₁₀ (4)	0.05	0.20
EP-1	Baghouse No. 1	PM/PM ₁₀	6.10	22.52
	FINs (8- Ton EAF, 2-Ton	NO _x	1.76	2.14
	EAF, SILCASAND,	VOC	26.66	6.21
	OLIVCORES,	SO ₂	1.04	1.30
	SCRAPHAND,	CO	24.17	32.83
	ALLOYHAND,	NH ₃	<0.01	<0.01
	FLUXHAND,	HF	<0.01	<0.01
	COKEHAND,	TRS	0.03	<0.01
	SLAGHAND,	Pb	<0.01	<0.01
	REFRACTORY,			
	POURCOOL,			
	COREMAKING,			
	OLIVESSYS,			
	MOLDMAKING,			
	TORCHCUT1,			
	TORCHCUT2,			
	CLEANFINISH,			
	GOUGING,			
	FLOORDUST,			
	EX-FURN1, EX-FURN2,			
	EX-FURN3, WELDIN			
EP-3	Baghouse No. 3	PM/PM ₁₀	5.33	19.70
	8TONEAF, 2TONEAF,	NO _x	2.91	3.06
	SILICSAND,	VOC	30.22	11.00
	OLIVCORES,	SO ₂	2.48	3.23

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	SCRAPHAND,	CO	28.79	38.15
	ALLOYHAND,	NH ₃	<0.01	<0.01
	FLUXHAND,	HF	<0.01	<0.01
	COKEHAND,	TRS	1.13	1.51
	SLAGHAND,	Pb	<0.01	<0.01
	REFRACTORY,			
	POURCOOL,			
	COREMAKING,			
	OLIVINESYS,			
	MOLDMAKING,			
	BHDUSTHAND,			
	TORCHCUR1,			
	TORCHCUT2,			
	CLEANFINISH,			
	GOUGING, EX-FURN1,			
	EX-FURN2, EX-FURN3,			
	WELDIN, LDL			
	HEATERS			
EP-4	Baghouse No. 4	PM/PM ₁₀	5.95	15.25
	OLIVESYS,	NO _x	0.98	1.02
	SLEEVE MAK, OVEN1,	VOC	2.38	3.05
	MOLDMAKING,	SO ₂	1.24	1.40
	BHDUSTHAND	CO	0.82	0.86
		NH ₃	0.12	0.29
		HF	<0.01	<0.01
		TRS	0.50	0.58
EP-1, EP-3, and EP-4	Baghouses 1, 3, and 4	HAPS	5.93	8.06
PAIN TOUT	Manufacturing Building	PM/PM ₁₀ (4)	0.46	0.11
		VOC	2.27	0.55
PATSHOP	Pattern Shop	PM/PM ₁₀ (4)	0.02	<0.01
	SANDGRIND, SAWING,	VOC	1.33	0.46
	GLUING, and			
	PAINTING			

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RAILUNLD1	Rail Unloading Olive Sand and Silica Sand	PM/PM ₁₀ (4)	0.02	<0.01
SCRAPHAND1	Scrap Handling	PM/PM ₁₀ (4)	<0.01	<0.01

(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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.

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, suspended in the atmosphere, including PM₁₀ and PM_{2.5}

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

PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide

NH₃ - ammonia

TRS - total reduced sulfur

Pb - lead

HF - hydrogen fluoride

HAPS - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C

(4) Fugitive emissions are an estimate only.

Compliance with annual emission limits is based on a rolling 12-month period.

Dated July 11, 2008