

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 55345

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	
			lbs/hour	TPY (4)
01	Furnaces Finishing Baghouse EAF 1, 2, and 3 and Bucket Elevators	NOx	0.28	0.58
		CO	25.61	89.06
		SO ₂	7.59	24.27
		VOC	6.00	4.80
		PM/PM ₁₀	0.21	0.73
02	Main Plant Baghouse Crusher, Screen, Hoppers, and Shearing Machine	PM/PM ₁₀	1.40	4.13
3	Shear Facilities Baghouse Shearing Machines	PM/PM ₁₀	0.06	0.26
D1	Shear Dumpers Fan Vents	PM/PM ₁₀	0.02	0.10
D2	Counter Dumper Fan Vent	PM	0.15	0.57
		PM ₁₀	0.07	0.28
SC1	Slag Crushing	PM/PM ₁₀	<0.01	0.01
CDT1	Palladium Catalyst Shredder and New Shear Facilities Stack	PM/PM ₁₀	0.13	0.26
FUGPC Project Number: 161059	Palladium Catalyst Receiving and New Shear Dumpers (5)	PM	0.04	0.10
		PM ₁₀	0.02	0.05

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FUGFOIL	Foil Converters Area Fugitives (5)	PM/PM ₁₀	0.02	0.05
FUGSAMP	Sampler Area Fugitives (5)	PM/PM ₁₀	<0.01	<0.01
Permit by rule (PBR) sources incorporated by reference. Sources remain authorized by the PBR(s) as listed below:				
PBR Registration No. 93897				
LS1	Laboratory Vent Scrubber	NOx	0.0006	0.003
		HCl	0.0018	0.008
PBR Registration No.78264				
CDT2	Catalysts De-Bailing	PM/PM ₁₀	0.02	0.01
PBR Registration No. 77285				
RK1	Rotary Kiln	PM/PM ₁₀	0.06	0.26
		NOx	1.00	4.31
		CO	0.17	0.75
		SO2	0.47	2.02
		VOC	0.07	0.29
PBR Registration No. 87776				
CR1	Cartridge Recycling Unit	PM/PM ₁₀	1.76	0.02
		NOx	0.20	0.01
		CO	0.16	0.01
		SO ₂	0.68	<0.01

(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

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NO_x-total oxides of nitrogen

SO₂-sulfur dioxide

PM-total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented

PM₁₀-total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented

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

CO-carbon monoxide

- (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.

Date June 13, 2011