

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 5421

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
KS5 or WHBS5	Process Kiln No. 5	PM	87.90	385.00
		PM ₁₀	43.58	190.84
		VOC	0.50	2.50
		NO _x	164.40	720.00
		SO ₂ (4)	1170.00	5120.00
		CO	251.10	1100.00
		SO ₃ (6)	15.60	68.33
		Pb (6)	0.31	1.37
MTLHDL	Material Handling (5) (Raw and Calcined Coke Conveying)	PM	0.32	1.38
		PM ₁₀	0.16	0.66
RD-DC	Kiln RD Building Hi-Vac Dust Collector (D. C). Stack (7)	PM/PM ₁₀	0.01	0.05
SR-DC	Sample Prep Bldg D.C. (7)	PM/PM ₁₀	0.06	0.25

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
LA-DC	Lab Annex Bldg. D.C. (7)	PM/PM ₁₀	0.06	0.27
C&SDTBV	C and S Daytank Bin Vent (7)	PM/PM ₁₀	0.07	0.32
SL1-DCL	Ship Loader Spout D.C. (7)	PM/PM ₁₀	0.09	0.40
SL1-T1	Ship Loader Transfer (7) Tower No. 1 D.C.	PM/PM ₁₀	0.09	0.40
SL1-T2	Ship Loader Transfer (7) Tower No. 2 D.C.	PM/PM ₁₀	0.09	0.40
SL1-T3	Ship Loader Transfer (7) Tower No. 3 D.C.	PM/PM ₁₀	0.09	0.40
SL-1	Ship Loading Dock Area (7) D. C.	PM/PM ₁₀	0.95	4.16
C-37	C36/37 Conveyor Transfer Chute D.C.	PM/PM ₁₀	0.18	0.77
C-38	C37/ C38 Conveyor (7) Transfer Point D.C	PM/PM ₁₀	0.16	0.70
CS-DV	T1/T2 Pneumatic (7) Conveying System D.C.	PM/PM ₁₀	0.34	0.15
CS-1	Calcine Silo No. 1 Bin Vent (7)	PM/PM ₁₀	0.47	2.06
CS-2	Calcine Silo No. 2 Bin Vent (7)	PM/PM ₁₀	0.73	3.20
CS-3	Calcine Silo No. 3 Bin Vent (7)	PM/PM ₁₀	0.73	3.20

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

CSS4	Calcine Silo No. 4 Bin Vent (7)	PM/PM ₁₀	0.51	2.24
CS-CC	Main Calcine Material (7) Handling System D.C.	PM/PM ₁₀	2.66	11.66
C35-HV	C35 Hi-Vac D.C. (7)	PM/PM ₁₀	0.04	0.16
SP	Stockpiles (5)	PM PM ₁₀ -	- 0.12	0.24

- (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) 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 PM greater than 10 microns is emitted.
- VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NO_x - total oxides of nitrogen
- SO₂ - sulfur dioxide
- CO - carbon monoxide
- SO₃ - sulfur trioxide
- Pb - lead
- (4) The hourly emission rate for SO₂ shall be the limit for stack testing purposes. The hourly emission rate for reporting SO₂ compliance with the permit shall be based on a seven-day rolling average from a 24-hour composite analysis of the blended raw feed sulfur content. The annual emission rate for reporting SO₂ compliance with the permit shall be based on a calendar year.
- (5) Fugitive emissions are an estimate only.
- (6) Included in the PM/PM₁₀ allowable emission rates
- (7) Operate per the authorization of a permit by rule

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

8,760 Hours per year

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Dated August 1, 2007