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
		HCl	15.80	61.74
SP	Stockpiles (5) (Raw and Calcined)	PM	6.73	27.78
		PM_{10}	0.74	3.22
MTLHDL	Material Handling (5) (Raw and Calcined Coke Conveying)	PM	120.86	47.82
		PM_{10}	3.23	2.07
MTLUNLOAD	Raw Coke Unloading (5) Operations (Raw Petcoke Barge and Ship Crane Unloading, Railcar Unloading, and Truck Unloading)	PM	5.62	3.73
		PM_{10}	0.69	0.46
MTLLOAD	Raw Coke Loading (5) (Railcar and Truck Loading with Front-End Loader)	PM	1.15	0.93
		PM_{10}	0.14	0.11

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
RD-DC2	Kiln RD Building Hi-Vac Dust Collector (D.C.) Stack	PM/PM_{10}	0.07	0.08
SR-DC	Sample Prep Bldg. D.C.	PM/PM_{10}	0.06	0.11
LA-DC	Lab Annex Bldg. D.C.	PM/PM_{10}	0.06	0.01
C&SDTBV	C and S Daytank Bin Vent	PM/PM_{10}	0.07	0.31
SL1-DCL	Ship Loader Spout D.C.	PM/PM_{10}	0.09	0.38
SL1-T1	Ship Loader Transfer Tower No. 1 D.C.	PM/PM_{10}	0.09	0.38
SL1-T2	Ship Loader Transfer Tower No. 2 D.C.	PM/PM_{10}	0.09	0.38
SL1-T3	Ship Loader Transfer Tower No. 3 D.C.	PM/PM_{10}	0.09	0.38
SL-1	Ship Loading Dock Area D.C.	PM/PM_{10}	0.91	4.00
C-37	C36/37 Conveyor Transfer Chute D.C.	PM/PM_{10}	0.17	0.74
C-38	C37/ C38 Conveyor Transfer Point D.C	PM/PM_{10}	0.17	0.76
CS-DV	T1/T2 Pneumatic Conveying System D.C.	PM/PM_{10}	0.33	1.43
CS-1	Calcine Silo No. 1 Bin Vent	PM/PM_{10}	0.84	3.69

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
CS-2	Calcine Silo No. 2 Bin Vent	PM/PM_{10}	0.70	3.08
CS-3	Calcine Silo No. 3 Bin Vent	PM/PM_{10}	0.70	3.08
CSS4	Calcine Silo No. 4 Bin Vent	PM/PM_{10}	0.49	2.16
CS-CC	Main Calcine Material Handling System D.C.	PM/PM_{10}	2.56	11.22
C35-HV	C35 Hi-Vac D.C.	PM/PM_{10}	0.04	0.15
SL-PIT2-DC STK 1and STK 2	Ship Loading Pit Dust Collector	PM/PM_{10}	0.28	0.62
PA-PILES	Process Area Short Term Storage Piles	PM PM_{10}	0.13 0.01	0.57 0.06
S1 DC1	Silo 1 Dust Collector 1	PM PM_{10}	0.02 <0.01	0.09 0.02
S1 DC2	Silo 1 Dust Collector 2	PM PM_{10}	0.02 <0.01	0.09 0.02
S1 DC3	Silo 1 Dust Collector 3	PM PM_{10}	0.02 <0.01	0.09 0.02
S1 DC4	Silo 1 Dust Collector 4	PM PM_{10}	0.02 <0.01	0.09 0.02
S2 DC1	Silo 2 Dust Collector 1	PM PM_{10}	0.02 <0.01	0.09 0.02

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
S2 DC2	Silo 2 Dust Collector 2	PM	0.02	0.09
		PM_{10}	<0.01	0.02
S2 DC3	Silo 2 Dust Collector 3	PM	0.02	0.09
		PM_{10}	<0.01	0.02
S3 DC1	Silo 3 Dust Collector 1	PM	0.02	0.09
		PM_{10}	<0.01	0.02
S3 DC2	Silo 3 Dust Collector 2	PM	0.02	0.09
		PM_{10}	<0.01	0.02
S3 DC3	Silo 3 Dust Collector 3	PM	0.02	0.09
		PM_{10}	<0.01	0.02
S4 DC1	Silo 4 Dust Collector 1	PM	0.02	0.09
		PM_{10}	<0.01	0.02
S4 DC L44	Silo 4 Dust Collector L44	PM	0.02	0.09
		PM_{10}	<0.01	0.02
C25 DC	Conveyor 25 Dust Collector	PM	0.02	0.09
		PM_{10}	<0.01	0.02
L25A DC	Conveyor L25A Dust Collector	PM	0.02	0.09
		PM_{10}	<0.01	0.02
C31 DC	Conveyor 31 Dust Collector	PM	0.02	0.09
		PM_{10}	<0.01	0.02
5C2 DC	Conveyor 5C2 Dust Collector	PM	0.02	0.09
		PM_{10}	<0.01	0.02
L44 DC	Conveyor L44 Dust Collector	PM	0.04	0.18
		PM_{10}	<0.01	0.04

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
L6 DC	Conveyor L6 Dust Collector	PM	0.02	0.09
		PM_{10}	<0.01	0.02
L6A DC	Conveyor L6A Dust Collector	PM	0.02	0.09
		PM_{10}	<0.01	0.02
L45 DC	Conveyor L45 Dust Collector	PM	0.02	0.09
		PM_{10}	<0.01	0.02
C36 DC	Conveyor C36 Dust Collector	PM	0.04	0.18
		PM_{10}	<0.01	0.04
CLR 5 DC	Cooler No. 5 Baghouse	PM	1.03	4.51
		PM_{10}	0.26	1.12

(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 PM_{10} and $PM_{2.5}$
PM_{10} - 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
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
SO_3 - sulfur trioxide
Pb - lead
HCl - hydrogen chloride
(4) The hourly emission rate for SO_2 shall be the limit for stack testing purposes. The hourly emission rate for reporting SO_2 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 SO_2 compliance with the permit shall be based on a calendar year.
(5) Fugitive emissions are an estimate only.
(6) Included in the PM/PM_{10} allowable emission rates

Dated January 11, 2010