

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 2799/PSD-TX-793

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		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
DDB-101-A	E/P Furnace			NO2	29.90	130.80
				CO	13.50	59.20
				PM10	1.70	7.40
				SO2	3.10	0.70
				VOC	1.00	4.20
DDB-101-B	E/P Furnace			NO2	29.90	130.80
				CO	13.50	59.20
				PM10	1.70	7.40
				SO2	3.10	0.70
				VOC	1.00	4.20
DDB-101-C	E/P Furnace			NO2	29.90	130.80
				CO	13.50	59.20
				PM10	1.70	7.40
				SO2	3.10	0.70
				VOC	1.00	4.20
DDB-101-D	E/P Furnace			NO2	29.90	130.80
				CO	13.50	59.20
				PM10	1.70	7.40
				SO2	3.10	0.70
				VOC	1.00	4.20
DDB-102-A	DNG Furnace			NO2	22.70	99.30
				CO	10.20	44.90
				PM10	1.30	5.60
				SO2	2.40	0.50
				VOC	0.73	3.20

DDB-102-B	DNG Furnace	NO2	22.70	99.30
		CO	10.20	44.90
		PM10	1.30	5.60
		SO2	2.40	0.50
		VOC	0.73	3.20

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Emission (2)	Source Name (3)	Air Contaminant lb/hr TPY	Emission Rates* Point No. (1)	Name
DDB-102-C	DNG Furnace	NO2	22.70	99.30
		CO	10.20	44.90
		PM10	1.30	5.60
		SO2	2.40	0.50
		VOC	0.73	3.20
DDB-102-D	DNG Furnace	NO2	22.70	99.30
		CO	10.20	44.90
		PM10	1.30	5.60
		SO2	2.40	0.50
		VOC	0.73	3.20
DDB-103	Raffinate Furnace	NO2	22.00	96.30
		CO	10.00	43.80
		PM10	1.20	5.50
		SO2	2.30	0.50
		VOC	0.71	3.10
DDB-201	Regen. Heater	NO2	4.70	20.50
		CO	2.10	9.30
		PM10	0.30	1.20
		SO2	0.50	0.10
		VOC	0.15	0.70
DDB-601	Regen. Heater	NO2	0.65	2.84
		CO	0.28	1.23
		PM10	0.035	0.15
		SO2	0.068	0.015
		VOC	0.02	0.09
DDM-3101	Flare	NO2	1.36	0.88
		CO	8.02	5.12
		SO2	0.01	0.02
		VOC	20.01	26.70
DAT-3201	Cooling Tower	VOC	4.64	20.35
DDZ-902	Lime Silo Filter Vent	PM	0.002	0.01

FUG-A 20F	Analyzer Vents (4)	VOC	0.00	0.004
FUG-V 20F	General Fugitive (4)	VOC	80.40	352.10
DDF-1301	Methanol Tank	VOC	2.35	0.03

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Emission (1) Name (2)	Source Name (3)	lb/hr	TPY	Air Contaminant	Emission Rates	Point No.
DDF-1001	Fuel Oil Tank			VOC	1.06	0.27
DDF-705	Sodium Nitrite Soln. Tank			VOC	6.50	0.05
DDF-701	Sodium Nitrite Soln. Tank			VOC	6.50	0.06
DDF-202	Methanol Tank			VOC	3.90	0.006
AF-3215	Bleach Tank			Cl ₂	0.03	0.003
DDF-101	Decoke Stack			PM	10.00	2.50
				PM10	2.90	0.70
				CO	36.50	7.20
DDD-606	Hydrotreater Regen. Stack			CO	10.00	1.40
				SO ₂	45.80	3.30
DDB-104-A	Liquid Furnace			NO ₂	21.40	88.25
				CO	8.95	36.80
				PM10	0.23	0.90
				SO ₂	3.00	0.66
				VOC	0.32	1.30
DDB-104-B	Liquid Furnace			NO ₂	21.40	88.25
				CO	8.95	36.80
				PM10	0.23	0.90
				SO ₂	3.00	0.66
				VOC	0.32	1.30
DDF-104	Decoke Stack			CO	73.00	3.18
				PM	1.20	0.06
				PM10	0.34	0.016

- (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.

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- (3) PM - particulate matter
PM10 - particulate matter less than 10 microns
VOC - volatile organic compounds as defined in General Rule 101.1
NO2 - nitrogen dioxide
SO2 - sulfur dioxide
CO - carbon monoxide
Cl2 - chlorine
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

Hrs/day___Days/week___Weeks/year___or Hrs/year 8,760

Dated_____