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 Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
DDB-101-A	E/P Furnace	NO_2	37.50	130.80
		CO	13.50	59.20
		PM_{10}	1.70	7.40
		SO_2	3.10	0.70
		VOC	1.00	4.20
DDB-101-B	E/P Furnace	NO_2	37.50	130.80
		CO	13.50	59.20
		PM_{10}	1.70	7.40
		SO_2	3.10	0.70
		VOC	1.00	4.20
DDB-101-C	E/P Furnace	NO_2	37.50	130.80
		CO	13.50	59.20
		PM_{10}	1.70	7.40
		SO_2	3.10	0.70
		VOC	1.00	4.20
DDB-101-D	E/P Furnace	NO_2	37.50	130.80
		CO	13.50	59.20
		PM_{10}	1.70	7.40
		SO_2	3.10	0.70
		VOC	1.00	4.20
DDB-102-A	DNG Furnace	NO_2	28.50	99.30
		CO	10.20	44.90
		PM_{10}	1.30	5.60
		SO_2	2.40	0.50
		VOC	0.73	3.20

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
DDB-102-B	DNG Furnace	NO_2	28.50	99.30
		CO	10.20	44.90
		PM_{10}	1.30	5.60
		SO_2	2.40	0.50
		VOC	0.73	3.20
DDB-102-C	DNG Furnace	NO_2	28.50	99.30
		CO	10.20	44.90
		PM_{10}	1.30	5.60
		SO_2	2.40	0.50
		VOC	0.73	3.20
DDB-102-D	DNG Furnace	NO_2	28.50	99.30
		CO	10.20	44.90
		PM_{10}	1.30	5.60
		SO_2	2.40	0.50
		VOC	0.73	3.20
DDB-103	Raffinate Furnace	NO_2	28.50	96.30
		CO	10.00	43.80
		PM_{10}	1.20	5.50
		SO_2	2.30	0.50
		VOC	0.71	3.10
DDB-201	Regeneration Heater	NO_2	5.85	20.50
		CO	2.10	9.30
		PM_{10}	0.30	1.20
		SO_2	0.50	0.10
		VOC	0.15	0.70
DDB-601	Regeneration Heater	NO_2	0.81	2.84
		CO	0.28	1.23
		PM_{10}	0.035	0.15

| | | | SO$_2$ | 0.068 | 0.015 |
| | | | VOC | 0.02 | 0.09 |

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
DDM-3101	Flare	NO$_2$	1.36	0.88
		CO	8.02	5.12
		SO$_2$	0.01	0.02
		VOC	200.01	26.70
DDF-1001	Fuel Oil Tank	VOC	1.06	0.27
DDF-705	Sodium Nitrite Solution Tank 0.05	VOC		6.50
DDF-701	Sodium Nitrite Solution Tank 0.06	VOC		6.50
DDF-202	Methanol Tank	VOC	3.90	0.06
AF-3215	Bleach Tank	Cl$_2$	0.03	0.003
DDF-101	Decoke Stack	PM$_{10}$	6.20	1.5
		CO	36.50	7.20
DDD-606	Hydrotreater Regeneration Stack 1.40	CO		10.00
		SO$_2$	45.80	3.30
DDB-104-A	Liquid Furnace	NO$_2$	22.32	91.90
		CO	9.31	38.35
		PM$_{10}$	0.70	2.88
		SO$_2$	3.13	0.68
		VOC	0.33	1.34
DDB-104-B	Liquid Furnace	NO$_2$	22.32	91.90
		CO	9.31	38.35

		PM$_{10}$	0.70	2.88
		SO$_2$	3.13	0.68
		VOC	0.33	1.34
DDF-104	Decoke Stack	CO	73.00	3.18
		PM$_{10}$	0.80	0.017

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

(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
    PM$_{10}$ - particulate matter less than 10 microns
    VOC - volatile organic compounds as defined in General Rule 101.1
    NO$_2$ - nitrogen dioxide
    SO$_2$ - sulfur dioxide
    CO   - carbon monoxide
    Cl$_2$ - 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__

<u>8,760</u>

Dated_____