

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATE

Permit No. 95 and PSD-TX-854

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)	<u>Emission Rates *</u>	
			lb/hr	TPY
DB-101-A	E/P Furnace	NO ₂	37.50	164.30
		CO	13.50	59.20
		PM ₁₀	1.70	7.40
		SO ₂	3.35	0.73
		VOC	1.00	4.30
DB-101-B	E/P Furnace	NO ₂	37.50	164.30
		CO	13.50	59.20
		PM ₁₀	1.70	7.40
		SO ₂	3.35	0.73
		VOC	1.00	4.30
DB-101-C	E/P Furnace	NO ₂	37.50	164.30
		CO	13.50	59.20
		PM ₁₀	1.70	7.40
		SO ₂	3.35	0.73
		VOC	1.00	4.30
DB-101-D	E/P Furnace	NO ₂	42.10	184.40
		CO	15.20	66.40
		PM ₁₀	1.90	8.40
		SO ₂	3.76	0.82
		VOC	1.10	4.80

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
DB-102-A	Liquid Furnace	NO ₂	28.50	124.80
		CO	10.30	44.90
		PM ₁₀	1.30	5.70
		SO ₂	2.56	0.56
DB-102-B	Liquid Furnace	NO ₂	28.50	124.80
		CO	10.30	44.90
		PM ₁₀	1.30	5.70
		SO ₂	2.55	0.56
		VOC	0.70	3.20
DB-102-C	Liquid Furnace	NO ₂	28.50	124.80
		CO	10.30	44.90
		PM ₁₀	1.30	5.70
		SO ₂	2.55	0.56
		VOC	0.70	3.20
DB-102-D	Liquid Furnace	NO ₂	28.50	124.80
		CO	10.30	44.90
		PM ₁₀	1.30	5.70
		SO ₂	2.55	0.56
		VOC	0.70	3.20
DB-103	Liquid Furnace	NO ₂	28.50	124.80
		CO	10.30	44.90
		PM ₁₀	1.30	5.70
		SO ₂	2.55	0.56
		VOC	0.70	3.20
DB-104	Olefins Furnace	NO _x	22.32	92.01
		CO	9.92	40.89
		PM ₁₀	1.24	5.11
		SO ₂	3.64	0.73
		VOC	0.35	1.43

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
DB-201	Regeneration Furnace	NO ₂	5.90	25.60
		CO	2.10	9.20
		PM ₁₀	0.30	1.20
		SO ₂	0.52	0.11
		VOC	0.20	0.70
DB-601	Regeneration Heater	NO ₂	0.81	3.55
		CO	0.29	1.28
		PM ₁₀	0.037	0.16
		SO ₂	0.072	0.016
		VOC	0.021	0.092

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			lb/hr	TPY
DM-1101	Flare	NO ₂	0.36	0.88
		CO	8.02	5.26
		SO ₂	0.01	0.02
		VOC	10.01	14.15
AT-1210	Cooling Tower	VOC	2.62	11.50
DZ-902	Lime Silo Filter Vent	PM	3.0	0.048
FUG-A10F	Analyzer Vents (4)	VOC	0.001	0.004
FUG-V10F	General Fugitive (4)	VOC	73.38	317.37
DF-1301	Alcohol Tank	VOC	3.52	0.09
DF-1001	Fuel Oil Tank	VOC	1.70	4.15
DF-701	Sodium Nitrite Solution Tank	VOC	2.60	0.11
DF-702	Sodium Nitrite Solution Tank	VOC	0.69	0.055
		Acetonitrile	0.69	0.055
DF-705	Sodium Nitrite Solution Tank	VOC	0.69	0.02
		Acetonitrile	0.69	0.005
AF-1215	Bleach Tank	NaOCl	0.04	0.005
DF-101	Decoke Stack	PM ₁₀	0.29	
		VOC	0.20	
		CO	61.00	
DF-104	Decoke Stack	PM ₁₀	0.74	
		VOC	0.09	
		CO	73.0	
DF-101 and DF-104	Decoke Stacks	PM ₁₀		0.20
		VOC		1.37
		CO		15.48

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			lb/hr	TPY
DD-606	Hydrotreater Regeneration Stack	CO	10.00	1.40
		SO ₂	45.80	3.30
OF1SOVENT	Seal Oil Vents	VOC	0.30	0.10
DF-916	Lube Oil Storage	VOC	0.60	0.02
DF-502	Lube Oil Storage	VOC	0.71	0.20

- (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
 PM₁₀ - particulate matter less than 10 microns
 VOC - volatile organic compounds as defined in General Rule 101.1
 NO_x - nitrogen oxide
 NO₂ - nitrogen dioxide
 SO₂ - sulfur dioxide
 CO - carbon monoxide
 NaOCl - sodium hypochlorite
- (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 24 Days/week 365 Weeks/year 52 or Hrs/year _____

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			lb/hr	TPY

Dated_____