EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 84167, PSDTX1123, and HAP-13

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**
54	Pulverized Coal Boiler	NO_x	1661.60	1819.3
	8,307 MMBtu/hr	NO_x	498.42 (5)	---
	Nominal 900-MW Gross	SO_2	498.42 (5)	2183.1
		CO	830.70 (5)	3638.5
		VOC	29.91	131.0
		PM/PM_{10}(filter)	99.68	436.7
		PM/PM_{10} (total)	207.68	909.6
		H_2SO_4	30.73	134.6
		NH_3	47.35	207.4
		HF	4.15	18.2
		HCl	5.20	22.8
		Hg	0.05	0.062
		Pb	0.25	1.1
55	Auxiliary Boiler	NO_x	27.00	6.75
	750 MMBtu/hr	CO	30.00	7.5
		SO_2	0.44	0.11
		PM (filterable)	---	0.42
		PM/PM_{10}(total)	5.55	1.39
		VOC	4.054	1.02
56	Emergency Diesel	NO_x and NMHC	28.22	7.05
	Generator	CO	15.43	3.86
		PM_{10}	0.88	0.22
		VOC	11.81	2.95
		SO_2	0.03	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

57	Fire Pump Diesel Engine	NO_x and NMHC	5.26	0.26
		CO	2.88	0.14
		PM_{10}	0.16	0.01
		VOC	2.20	0.55
		SO_2	0.01	3.00E-04
1	Coal Dumper Tunnel Vent Filter	PM/PM_{10}	1.71	7.51
2	Coal Transfer House No. 1 Vent Filter	PM/PM_{10}	0.17	0.75
6a	Coal Drop to Pile (4)	PM	1.38	0.31
		PM_{10}	0.65	0.14
6b	Coal Drop to Pile (4)	PM	1.38	0.31
		PM_{10}	0.65	0.14
8a	Coal Emergency Loadout Hopper (4)	PM	0.14	0.03
		PM_{10}	0.07	0.01
8b	Coal Emergency Loadout Hopper (4)	PM	0.14	0.03
		PM_{10}	0.07	0.01
10	Coal Sample House Vent Filter	PM/PM_{10}	0.17	0.75
16a	Fly Ash Loading from Silo to Truck (4)	PM	0.16	0.01
		PM_{10}	0.07	0.01
16b	Fly Ash Disposal from Truck to Landfill (4)	PM	0.16	0.01
		PM_{10}	0.07	0.01
17a	Bottom Ash from Bunker to Truck (4)	PM	0.08	0.01
		PM_{10}	0.04	0.003
17b	Bottom Ash Disposal from	PM	0.08	0.006
		PM_{10}	0.04	0.003

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

	Truck to Landfill (4)			
18	Limestone Unloading from Truck (4)	PM PM_{10}	0.53 0.25	0.08 0.04
19a	Limestone Conveyor to Pile (4)	PM PM_{10}	0.53 0.25	0.08 0.04
19b	Limestone Conveyor to Pile (4)	PM PM_{10}	0.53 0.25	0.08 0.04
19c	Limestone Front-End Loader Transfer/Drop to Hopper (4)	PM PM_{10}	0.53 0.25	0.08 0.04
22	Gypsum (Dewatered) to Filter Conveyor (4)	PM PM_{10}	0.0072 0.0034	0.0204 0.0096
23	Gypsum Transfer to Stackout Conveyor (4)	PM PM_{10}	0.0072 0.0034	0.0204 0.0096
24	Gypsum from Stackout Conveyor to Gypsum Pile (4)	PM/PM_{10}	0.0072 0.0034	0.0204 0.0096
25a	Gypsum Loading from Pile to Truck (4)	PM PM_{10}	0.0361 0.0171	0.0204 0.0096
25b	Gypsum Disposal from Truck to Landfill (4)	PM PM_{10}	0.0361 0.0171	0.0204 0.0096
26	Coal Crusher House Fabric Filter	PM/PM_{10}	0.17	0.75
27	Coal Crusher House Fabric Filter	PM/PM_{10}	0.17	0.75
28a	Coal Bunkers Fabric Filter	PM/PM_{10}	1.71	7.51

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

28b	Coal Bunkers Fabric Filter	PM/PM_{10}	1.71	7.51
29a	Coal Bunkers Fabric Filter	PM/PM_{10}	1.71	7.51
29b	Coal Bunkers Fabric Filter	PM/PM_{10}	1.71	7.51
30a	Limestone Day Bin Vent Filter	PM/PM_{10}	0.17	0.75
30b	Limestone Day Bin Vent Filter	PM/PM_{10}	0.17	0.75
31	Activated Carbon/Sorbent Bin Vent Filter	PM/PM_{10}	0.17	0.75
32	Fly Ash Waste Silo Vent Filter	PM/PM_{10}	0.17	0.75
33	Active Coal Pile (4)	PM PM_{10}	0.70 0.35	3.07 1.53
34	Inactive Coal Pile (4)	PM PM_{10}	0.70 0.35	3.07 1.53
35	Limestone Pile (4)	PM PM_{10}	0.13 0.06	0.56 0.28
36	Gypsum Pile (4)	PM PM_{10}	0.13 0.06	0.56 0.28
37	Dozing Coal Between Active and Inactive Piles (4)	PM PM_{10}	0.25 0.04	1.08 0.17
38	Dozing of Overburden and Ash in Solid Waste	PM PM_{10}	1.05 0.32	4.58 1.39

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

	Disposal Area (4)			
40	Wind Erosion from Exposed Solid Waste Disposal Storage (4)	PM PM_{10}	4.34 1.52	19.00 6.65
45	Bottom Ash from Crusher to Bunker (4)	PM PM_{10}	0.08 0.04	0.01 0.01
59	Coal Transfer House No. 2 Vent Filter	PM/PM_{10}	0.17	0.75
39	Cooling Tower	PM PM_{10}	4.20 1.61	18.41 7.06
42a	Solution Storage Tank T-001-1	VOC	0.01	0.01
42b	Solution Storage Tank T-001-2	VOC	0.01	0.01
42c	Solution Storage Tank T-001-3	VOC	0.01	0.01
42d	Solution StorageTank T-001-4	VOC	0.01	0.01
43a	NaOH Storage Tank T-004-1	NaOH	0.01	0.01
43b	NaOH Storage Tank T-004-2	NaOH	0.01	0.01
43c	NaOH Storage Tank T-004-3	NaOH	0.01	0.01
43d	NaOH Storage Tank T-004-4	NaOH	0.01	0.01
44	NH_3 Storage Tank	NH_3	0.01	0.01
45a	Solution Sump Storage	VOC	0.01	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

45b	Tank T-002-1 Solution Sump Storage Tank T-002-2	VOC	0.01	0.01
45c	Solution Sump Storage Tank T-002-3	VOC	0.01	0.01
45d	Solution Sump Storage Tank T-0024	VOC	0.01	0.01
46a	Reclaimed Waste Storage Tank T-003-1	VOC	0.01	0.01
46b	Reclaimed Waste Storage Tank T-003-2	VOC	0.01	0.01
46c	Reclaimed Waste Storage Tank T-003-3	VOC	0.01	0.01
46d	Reclaimed Waste Storage Tank T-003-4	VOC	0.01	0.01
47	H_2SO_4 Storage Tank	H_2SO_4	0.01	0.01
48	NaOCl Storage Tank	NaOCl	0.01	0.04
49	Corrosion Inhibitor Storage Tank	VOC	0.01	0.01
50	Dispersant Storage Tank	VOC	0.02	0.08
52	Oxygen Scavenger Storage Tank	VOC	0.01	0.02
53	Phosphate Storage Tank	VOC	0.01	0.01
60	Diesel Fuel Storage Tank	VOC	0.02	0.01

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
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
CO - carbon monoxide
HCl - hydrogen chloride
HF - hydrogen fluoride
H_2SO_4 - sulfuric acid mist
NH_3 - ammonia
NMHC - non-methane hydrocarbon
NaOCl - sodium hypochlorite
NaOH - sodium hydroxide
Hg - mercury
Pb - lead
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) 30-day rolling average.

* Emission rates apply at all times, including startup and shutdown; rates are based on and the facilities are limited by the following maximum operating schedule:

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year except for the following:

EPN 55 (Auxiliary Boiler): 500 Hrs/yr
EPN 56 (Emergency Diesel Generator): 500 Hrs/yr
EPN 57 (Fire pump Diesel Engine): 100 Hrs/yr

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated December 29, 2010

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES