Permit Numbers 70492 and PSDTX1037

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.

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
U-6	Spruce Power Generating Unit No (8,000 MMBtu/Hr)		1600.0 2880.0 4480.0 29.0 44.0 50.0	1752.0 2102.0 5256.0 88.0 129.0 66.0
		HF HCI Pb Hg PM/PM ₁₀ (6) PM/PM ₁₀ (7)	60.0 480.0 0.2 0.43 264.0	26.0 66.0 0.3 0.07 771.0 525.6
U-6, U-5, E-3, E-1, and E-2	Emissions Cap for Spruce Units 1 and 2, Deely Units 1 and 2, and Sommers 1 and 2 (5)	NO _x		10454.0
U-6 and U-5	Emissions Cap for Spruce Units 1 and 2 (5)	SO ₂		4319.0
EMGEN-1	Emergency Generator 1	NO_x SO_2 PM/PM_{10} CO VOC	14.1 1.1 0.04 7.7 0.9	0.4 0.03 0.01 0.2 0.03
EMGEN-2	Emergency Generator 2	NO_x SO_2 PM/PM_{10} CO VOC	17.6 1.4 0.6 9.6 1.2	0.5 0.04 0.02 0.3 0.04
T-ACID	Sulfuric Acid Storage Tank	H_2SO_4	0.01	0.01

Emission	Source	Air Contaminant	<u>Emissior</u>	n Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
T-BASE	Base Storage Tank	Bases	0.01	0.01
F-NH ₃	Aqueous Ammonia Fugitives (4)	NH ₃	0.70	3.09
FAS3	Fly Ash Silos for Spruce Unit 1	PM PM ₁₀ Pb Hg	0.56 0.19 0.01 0.01	0.26 0.09 0.01 0.01
FAS4	Fly Ash Silos for Spruce Unit 2	PM PM ₁₀ Pb Hg	0.72 0.24 0.01 0.01	0.35 0.12 0.01 0.01
EAS4	Economizer Ash Silos for Spruce Unit 2	PM PM ₁₀ Pb Hg	0.11 0.10 0.01 0.01	0.16 0.16 0.01 0.01
FAD3	Spruce Unit 1 Fly Ash Loadout to Trucks	PM PM ₁₀ Pb Hg	0.46 0.11 0.01 0.01	0.21 0.05 0.01 0.01
FAD4	Spruce Unit 2 Fly Ash Loadout to Trucks	PM PM ₁₀ Pb Hg	0.46 0.11 0.01 0.01	0.29 0.10 0.01 0.01
EAD4	Spruce Unit 2 Economizer Ash Loadout to Trucks	PM PM ₁₀ Pb Hg	0.01 0.01 0.01 0.01	0.01 0.01 0.01 0.01

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emissior lb/hr	n Rates * TPY**
F-FILL	Sludge and Ash Landfill Fugitives (4)	PM PM ₁₀ Pb Hg	1.51 0.72 0.01 0.01	6.66 3.15 0.01 0.01
F-BA-PILE	Bottom Ash Storage Pile Fugitives (4)	PM PM ₁₀	0.15 0.07	0.65 0.31
F-GYP	Gypsum Storage Pile Fugitives (4)	PM PM ₁₀	0.07 0.03	0.30 0.17
F-LS	Limestone Receiving and Handlin Fugitives (4)	ng PM PM ₁₀	0.01 0.01	0.01 0.01
A-L55	Limestone Storage Pile (4)	PM PM ₁₀	0.08 0.04	0.35 0.18
LDC-12	Limestone Receiving Baghouse	PM PM ₁₀	0.01 0.01	0.01 0.01
LDC-13	Limestone Silo	PM PM ₁₀	0.01 0.01	0.01 0.01
LDC-10	Limestone Silos	PM PM ₁₀	0.01 0.01	0.01 0.01
F-CCS	Coal Storage Fugitives (4)	PM PM ₁₀	9.08 1.88	39.7 8.2
PX-CO1A/B	Railcar No. 1 Unloading and Transfer Baghouse	PM PM ₁₀	0.01 0.01	0.02 0.02
PX-CO2	Railcar No. 1 Unloading Fugitives	S (4) PM PM ₁₀	0.26 0.05	0.53 0.11

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
PX-CO4	Rotary Plow Reclaim	PM PM ₁₀	0.35 0.07	0.43 0.09
PX-C16	Stacker/Reclaim - Stackout	PM PM ₁₀	0.86 0.18	0.72 0.15
PX-C17	Stacker/Reclaim - Reclaim	PM PM ₁₀	1.39 0.29	
PX-C17	Stacker/Reclaim - Bypass	PM PM ₁₀	0.70 0.14	
PX-C17	Stacker/Reclaim	PM PM ₁₀		1.20 0.25
F-Area1	Coal Conveyor Fugitives - Coal Yard Area (4)	PM PM ₁₀	1.44 0.30	1.41 0.29
F-Area2	Coal Conveyor Fugitives - Transfer Area (4)	PM PM ₁₀	0.43 0.09	0.47 0.10
F-Area3	Coal Conveyor Fugitives - J. K. Spruce Power Island (4)	PM PM ₁₀	0.25 0.05	0.17 0.03
DC-1	Transfer Building 1	PM PM ₁₀	0.03 0.01	0.04 0.01
DC-2	South Reclaim Hopper to Convey	or 4PM PM ₁₀	0.15 0.03	0.12 0.02
DC-3	Transfer Building 1a	PM PM ₁₀	0.05 0.01	0.06 0.01
DC-CCG016	Crusher Building 1	PM PM ₁₀	0.30 0.06	0.60 0.12

Emission	Source	Air Contaminant	Emission	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
DC-4A	Silo Group A Headhouse	PM PM ₁₀	0.03 0.01	0.03 0.01
DC-4B	Silo Group A Unloading	PM PM ₁₀	0.01 0.01	0.01 0.01
DC-5	Crusher Building 2	PM PM ₁₀	0.30 0.06	0.60 0.12
DC-6	North Reclaim Hopper to Conveyor 23B	PM PM ₁₀	0.15 0.03	0.12 0.02
DC-7	Transfer Building 4	PM PM ₁₀	0.01 0.01	0.01 0.01
DC-14	Transfer Building 1B	PM PM ₁₀	0.01 0.01	0.01 0.01
DC-101	Unit 1 Transfer Building 5 and and Tripper Deck	PM PM ₁₀	0.02 0.01	0.01 0.01
DC-201	Unit 2 Transfer Building 6 and Tripper Deck	PM PM ₁₀	0.02 0.01	0.01 0.01
DC-8	Transfer Building 3	PM PM ₁₀	0.01 0.01	0.01 0.01
Т3	Emergency Generator No. 1 Fuel Tanks	VOC	0.14	0.01
T4	Emergency Generator No. 2 Fuel Tanks	VOC	0.14	0.01

⁽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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1.

PM - particulate matter, suspended in the atmosphere, including PM₁₀.

 PM_{10} - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not

listed, it shall be assumed that no PM greater than 10 microns is emitted.

 NO_x - total oxides of nitrogen

 SO_2 - sulfur dioxide NH_3 - ammonia

CO - carbon monoxide H₂SO₄ - sulfuric acid mist

Pb - lead

HCl - hydrogen chlorideHF - hydrogen fluoride

Hg - mercury

- (4) Fugitive emissions are an estimate only.
- (5) The cap becomes effective upon start-up of Spruce 2 Utility Boiler.
- (6) The PM emission rate is for front and back-half condensable, for the concentration of PM₁₀.
- (7) The PM emission rate is for front-half only, excluding back-half condensables.
- * Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/yr 8,760

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

Dated August 24, 2009