Permit Number 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, sources, and related activities. 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* | | |
|---------------------------|--|--------------------------------|-----------------|------------|--|
| 1 01111 140. (1) | | Name (5) | lbs/hour (4)(5) | TPY (4)(6) | |
| U-6 | Spruce Power Generating Unit No. 2 8,000 MMBtu/hr | NO _x | 1,600 | 1,752 | |
| | C,OOC WINDLAM | СО | 4,480 | 5,256 | |
| | | VOC | 29 | 88 | |
| | | PM/PM ₁₀ (9) | 264 | 771 | |
| | | PM/PM ₁₀ (10) | - | 525.60 | |
| | | SO ₂ | 2,880 | 2,102 | |
| | | H ₂ SO ₄ | 44 | 129 | |
| | | NH ₃ | 50 | 66 | |
| | | HF | 60 | 26 | |
| | | HCI | 480 | 66 | |
| | | Pb | 0.20 | 0.30 | |
| | | Hg | 0.43 | 0.07 | |
| U-6 and U-5 E-1, 2, 3 | NO _x Annual Emission Cap for: Spruce Units 1 and 2 Deely Units 1 and 2 Sommers 1 and 2 (8) | NO _x | - | 10,454 | |
| U-6 and U-5 | SO ₂ Annual Emission Cap for Spruce Unit 1 and 2 (8) | SO ₂ | - | 4,319 | |
| EMGEN-1 | Emergency Generator 1 | NO _x | 14.10 | 0.40 | |
| | | СО | 7.70 | 0.20 | |
| | | VOC | 0.90 | 0.03 | |
| | | PM/PM ₁₀ | 0.40 | 0.01 | |
| | | SO ₂ | 1.10 | 0.03 | |

| EMGEN-2 | Emergency Generator 2 | NO _x 17.60 0.50 | | 0.50 |
|-------------------|---|--------------------------------|------|------|
| | | СО | 9.60 | 0.30 |
| | | VOC | 1.20 | 0.04 |
| | | PM/PM ₁₀ | 0.60 | 0.02 |
| | | SO ₂ | 1.40 | 0.04 |
| T-ACID | Sulfuric Acid Storage Tank | H ₂ SO ₄ | 0.01 | 0.01 |
| T-BASE | Base Storage Tank | Bases | 0.01 | 0.01 |
| F-NH ₃ | Aqueous Ammonia Fugitives (7) | NH ₃ | 0.70 | 3.09 |
| FAS3 | Fly Ash Silo for Spruce Unit 1 | PM | 0.56 | 0.26 |
| | | PM ₁₀ | 0.19 | 0.09 |
| | | Pb | 0.01 | 0.01 |
| | | Hg | 0.01 | 0.01 |
| FAS4 | Fly Ash Silo for Spruce Unit 2 | РМ | 0.72 | 0.35 |
| | | PM ₁₀ | 0.24 | 0.12 |
| | | Pb | 0.01 | 0.01 |
| | | Hg | 0.01 | 0.01 |
| EAS4 | Economizer Ash Silos for Spruce Unit 2 | РМ | 0.11 | 0.16 |
| | | PM ₁₀ | 0.10 | 0.16 |
| | | Pb | 0.01 | 0.01 |
| | | Hg | 0.01 | 0.01 |
| FAD3 | Spruce Unit 1 Fly Ash Loadout to Trucks | PM | 0.46 | 0.21 |
| | | PM ₁₀ | 0.11 | 0.05 |
| | | Pb | 0.01 | 0.01 |
| FAD3 | Spruce Unit 1 Fly Ash Loadout to Trucks | Hg | 0.01 | 0.01 |
| FAD4 | Spruce Unit 2 Fly Ash Loadout to Trucks | PM | 0.46 | 0.29 |

| | | PM ₁₀ | 0.11 | 0.10 |
|-----------|--|------------------|------|------|
| | | Pb | 0.01 | 0.01 |
| | | Hg | 0.01 | 0.01 |
| EAD4 | Spruce Unit 2 Economizer Ash Loadout to Trucks | PM | 0.01 | 0.01 |
| | to Trucks | PM ₁₀ | 0.01 | 0.01 |
| | | Pb | 0.01 | 0.01 |
| | | Hg | 0.01 | 0.01 |
| F-FILL | Sludge and Ash Landfill Fugitives (7) | РМ | 1.51 | 6.66 |
| | | PM ₁₀ | 0.72 | 3.15 |
| | | Pb | 0.01 | 0.01 |
| | | | 0.01 | 0.01 |
| F-BA-PILE | PILE Bottom Ash Storage Pile Fugitives (7) | | 0.15 | 0.65 |
| | | PM ₁₀ | 0.07 | 0.31 |
| F-GYP | Gypsum Storage Pile Fugitives (7) | РМ | 0.07 | 0.30 |
| | | PM ₁₀ | 0.03 | 0.17 |
| F-LS | Limestone Receiving and Handling Fugitives (7) | РМ | 0.01 | 0.01 |
| | r agriives (r) | PM ₁₀ | 0.01 | 0.01 |
| A-L55 | Limestone Storage Pile (7) | РМ | 0.08 | 0.35 |
| | | PM ₁₀ | 0.04 | 0.18 |
| LDC-12 | Limestone Receiving Baghouse | РМ | 0.01 | 0.01 |
| | | PM ₁₀ | 0.01 | 0.01 |
| LDC-13 | Limestone Silo | РМ | 0.01 | 0.01 |
| | | PM ₁₀ | 0.01 | 0.01 |
| LDC-10 | Limestone Silos | РМ | 0.01 | 0.01 |
| | | PM ₁₀ | 0.01 | 0.01 |

| F-CCS | Coal Storage Fugitives (7) | PM | 9.08 | 39.7 |
|--|--|------------------|------|------|
| | | | 1.88 | 8.23 |
| PX-COA1A/B | Railcar Number 1 Unloading and Transfer Baghouse | PM | 0.01 | 0.02 |
| | baynouse | PM ₁₀ | 0.01 | 0.02 |
| PX-CO2 | Railcar No. 1 Unload Fugitives (7) | РМ | 0.26 | 0.53 |
| | | PM ₁₀ | 0.05 | 0.11 |
| PX-CO4 | Rotary Plow Reclaim | PM | 0.35 | 0.43 |
| | | PM ₁₀ | 0.07 | 0.09 |
| PX-C16 | Stacker/Reclaim - Stackout | PM | 0.86 | 0.72 |
| | | PM ₁₀ | 0.18 | 0.15 |
| PX-C17 | X-C17 Stacker/Reclaim - Reclaim | | 1.39 | - |
| | | PM ₁₀ | 0.29 | - |
| PX-C17 Stacker/Reclaim - Bypass | | PM | 0.70 | - |
| | | PM ₁₀ | 0.14 | - |
| PX-C17 | Annual Emissions -Stacker/Reclaim (Reclaim/Bypass) | PM | - | 1.20 |
| | (Кесіаіні/Буразз) | | - | 0.25 |
| F-Area1 | Coal Conveyor Fugitives - Coal Yard Area (7) | PM | 1.44 | 1.41 |
| | | | 0.30 | 0.29 |
| F-Area2 | Coal Conveyor Fugitives - Transfer Area (7) | PM | 0.43 | 0.47 |
| | | PM ₁₀ | 0.09 | 0.10 |
| Coal Conveyor Fugitives - J.K. Spruce Power Island (7) | | PM | 0.25 | 0.17 |
| | 1 ower isiana (1) | | 0.05 | 0.03 |
| DC-1 | Transfer Building 1 | РМ | 0.03 | 0.04 |
| | | PM ₁₀ | 0.01 | 0.01 |
| DC-2 | South Reclaim Hopper to Conveyor 4 | PM | 0.15 | 0.12 |

| | | PM ₁₀ | 0.03 | 0.02 | |
|-----------|--|------------------|-------|-------|--|
| DC-3 | Transfer Building 1a | PM | 0.05 | 0.06 | |
| | | PM ₁₀ | 0.01 | 0.01 | |
| DC-CCG016 | Crusher Building 1 | PM | 0.30 | 0.60 | |
| | | PM ₁₀ | 0.06 | 0.12 | |
| DC-4A | Silo Group A Headhouse | PM | 0.03 | 0.03 | |
| | | PM ₁₀ | 0.01 | 0.01 | |
| DC-4B | Silo Group A Unloading | PM | 0.01 | 0.01 | |
| | | PM ₁₀ | <0.01 | <0.01 | |
| DC-5 | Crusher Building 2 | PM | 0.60 | | |
| | | PM ₁₀ | 0.06 | 0.12 | |
| DC-6 | North Reclaim Hopper to Conveyor 23B | | 0.15 | 0.12 | |
| | | PM ₁₀ | 0.03 | 0.02 | |
| DC-7 | Transfer Building 4 | PM | 0.01 | 0.01 | |
| | | PM ₁₀ | 0.01 | 0.01 | |
| DC-14 | Transfer Building 1B | PM | 0.01 | 0.01 | |
| | | PM ₁₀ | 0.01 | 0.01 | |
| DC-101 | Unit 1 Transfer for Building 5 and Tripper Deck | PM | 0.02 | 0.01 | |
| | Deck | PM ₁₀ | 0.01 | 0.01 | |
| DC-201 | OC-201 Unit 2 Transfer for Building 6 and Tripper Deck | | 0.02 | 0.01 | |
| | Deck | PM ₁₀ | 0.01 | | |
| DC-8 | Transfer Building 3 | PM | 0.01 | 0.01 | |
| | | PM ₁₀ | 0.01 | 0.01 | |
| MSS-Fug | Miscellaneous Site-Wide Maintenance Activities (7) | VOC | 2.89 | 0.68 | |
| | , ouvilles (1) | PM | 22.0 | 3.29 | |
| | | • | • | • | |

| | | PM ₁₀ | 12.8 | 2.37 |
|----|--------------------------------------|-------------------|------|------|
| | | PM _{2.5} | 5.8 | 1.67 |
| | | NO _x | 0.01 | 0.01 |
| | | со | 0.18 | 0.05 |
| | | SO ₂ | 0.01 | 0.01 |
| | | NH ₃ | 7.67 | 0.01 |
| T3 | 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

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as

represented

PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as

represented

PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide

NH₃ - ammonia H₂SO₄ - sulfuric acid HCl - hydrogen chloride HF - hydrogen fluoride

Hg - mercury Pb - lead

- (4) The pound per hour and ton per year emission limits specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities, unless otherwise noted.
- (5) For each pollutant whose emissions during planned MSS activities are measured using a CEMS, the MSS lb/hr limits apply only during each clock hour that includes one or more minutes of MSS activities. During all other clock hours, the normal lb/hr limits apply.
- (6) Compliance with annual emission limits is based on a rolling 12-month period.
- (7) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (8) The cap becomes effective upon startup of Spruce 2 Utility Boiler.
- (9) The PM emission rate is for front and back-half condensable, for concentration of PM₁₀.
- (10) The PM emission rate is for front-half only, excluding back-half condensable.
- * Emission rates are based on and the facilities are limited by the following maximum operating schedule:

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|----------------------------------|---|
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| Hrs/day | 24 | Da | ys/week | 7 | Weeks/y | /ear | 52 | or Hrs/y | r | 8,760 |
|---------|----|----|---------|---|---------|------|----|----------|---|-------|
| | | | | | | | | | | |

| Date: |
|-------|
|-------|