Permit Numbers 9403B and PSDTX627M2

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 | ion Rates |
|--------------------------------|---|--|----------------|-----------|
| | | riame (5) | lbs/hour | TPY (4) |
| WG-CAP (EPNs: 1 INC, 2, 2a, 3, | Waste Gas Combustion Annual Emissions Cap (5) | PM | - | 202.15 |
| 4, 9, 20, 21, 22, and 23) | | PM ₁₀ | - | 120.99 |
| | | PM _{2.5} | - | 86.50 |
| | | NO _x | - | 378.00 |
| | | SO ₂ | - | 3880.74 |
| | | СО | - | 1310.59 |
| | | VOC | - | 50.16 |
| | | H ₂ S - 35.00 COS - 9.20 | 35.00 | |
| | | | - | 9.20 |
| | | CS ₂ | - | 13.80 |
| | | HCN | - | 9.63 |
| | | BZ | - | 0.51 |
| | | NH ₃ | - | 3.15 |

Emission Sources - Maximum Allowable Emission Rates

| - | | | | |
|---|-----------------|-----------------------|-------|---|
| | | PM ₁₀ | 17.58 | - |
| | | PM _{2.5} | 12.60 | - |
| | | NO _x | 9.47 | - |
| | | NO _x (MSS) | 94.70 | - |
| | | SO ₂ | 756.2 | - |
| | | СО | 204.0 | - |
| | | VOC | 8.30 | - |
| | H₂S | 6.85 | - | |
| | cos | 1.80 | - | |
| | CS ₂ | 2.70 | - | |
| | HCN | 1.50 | - | |
| | | BZ | 0.08 | - |
| | NH ₃ | 0.75 | - | |

Emission Sources - Maximum Allowable Emission Rates

| - | | | |
|---|-------------------|-------|---|
| | PM ₁₀ | 0.60 | - |
| | PM _{2.5} | 0.43 | - |
| | NO _x | 0.99 | - |
| | SO ₂ | 9.61 | - |
| | VOC | 0.10 | - |
| | СО | 2.60 | - |
| | H ₂ S | 0.09 | - |
| | cos | 0.02 | - |
| | CS ₂ | 0.04 | - |
| | HCN | 0.02 | - |
| | BZ | <0.01 | - |

Emission Sources - Maximum Allowable Emission Rates

| - | | | |
|---|-------------------|-------|---|
| | PM ₁₀ | 0.60 | - |
| | PM _{2.5} | 0.43 | - |
| | NO _x | 0.99 | - |
| | SO ₂ | 9.61 | - |
| | VOC | 0.10 | - |
| | СО | 2.60 | - |
| | H ₂ S | 0.09 | - |
| | cos | 0.02 | - |
| | CS ₂ | 0.04 | - |
| | HCN | 0.02 | - |
| | BZ | <0.01 | - |

Emission Sources - Maximum Allowable Emission Rates

| - | | | |
|---|-------------------|-------|---|
| | PM ₁₀ | 0.60 | - |
| | PM _{2.5} | 0.43 | - |
| | NO _x | 0.99 | - |
| | SO ₂ | 9.61 | - |
| | VOC | 0.10 | - |
| | СО | 2.60 | - |
| | H ₂ S | 0.09 | - |
| | cos | 0.02 | - |
| | CS ₂ | 0.04 | - |
| | HCN | 0.02 | - |
| | BZ | <0.01 | - |

Emission Sources - Maximum Allowable Emission Rates

| - | | | |
|---|-------------------|-------|---|
| | PM ₁₀ | 0.60 | - |
| | PM _{2.5} | 0.43 | - |
| | NO _x | 0.99 | - |
| | SO ₂ | 9.61 | - |
| | VOC | 0.10 | - |
| | СО | 2.60 | - |
| | H ₂ S | 0.09 | - |
| | cos | 0.02 | - |
| | CS ₂ | 0.04 | - |
| | HCN | 0.02 | - |
| | BZ | <0.01 | - |

Emission Sources - Maximum Allowable Emission Rates

| - | | | |
|---|-------------------|-------|---|
| | PM ₁₀ | 1.80 | - |
| | PM _{2.5} | 1.29 | - |
| | NO _x | 12.10 | - |
| | SO ₂ | 96.31 | - |
| | СО | 26.00 | - |
| | VOC | 1.10 | - |
| | H ₂ S | 0.87 | - |
| | cos | 0.23 | - |
| | CS ₂ | 0.34 | - |
| | HCN | 0.20 | - |
| | BZ | <0.01 | - |

Emission Sources - Maximum Allowable Emission Rates

| - | | | | |
|---|--|-------------------|-------|---|
| | | PM ₁₀ | 1.80 | - |
| | | PM _{2.5} | 1.29 | - |
| | | NO _x | 9.88 | - |
| | | SO ₂ | 86.68 | - |
| | | СО | 26.00 | - |
| | | VOC | 1.00 | - |
| | | H₂S | 0.78 | - |
| | | cos | 0.21 | - |
| | | CS ₂ | 0.31 | - |
| | | HCN | 0.20 | - |
| | | BZ | <0.01 | - |

Emission Sources - Maximum Allowable Emission Rates

Emission Sources - Maximum Allowable Emission Rates

| - | | | |
|---|-------------------|-------|---|
| | PM ₁₀ | 1.80 | - |
| | PM _{2.5} | 1.29 | - |
| | NO _x | 9.88 | - |
| | SO ₂ | 86.88 | - |
| | со | 26.00 | - |
| | VOC (5) | 1.00 | - |
| | H₂S | 0.78 | - |
| | cos | 0.21 | - |
| | CS ₂ | 0.31 | - |
| | HCN | 0.20 | - |
| | BZ | <0.01 | - |

Emission Sources - Maximum Allowable Emission Rates

Emission Sources - Maximum Allowable Emission Rates

| - | | | |
|---|-------------------|-------|---|
| | PM ₁₀ | 1.80 | - |
| | PM _{2.5} | 1.29 | - |
| | NO _x | 9.88 | - |
| | SO ₂ | 86.68 | - |
| | СО | 26.00 | - |
| | VOC | 1.00 | - |
| | H₂S | 0.78 | - |
| | cos | 0.21 | - |
| | CS ₂ | 0.31 | - |
| | HCN | 0.20 | - |
| | BZ | <0.01 | - |

Emission Sources - Maximum Allowable Emission Rates

Emission Sources - Maximum Allowable Emission Rates

| - | | | | |
|----------|------------------------|-------------------|-------|------|
| | | PM ₁₀ | 1.80 | - |
| | | PM _{2.5} | 1.29 | - |
| | | NO _x | 9.88 | - |
| | | SO ₂ | 86.88 | - |
| | | со | 26.00 | - |
| | | voc | 1.00 | - |
| | | H₂S | 0.78 | - |
| | | cos | 0.21 | - |
| | | CS ₂ | 0.31 | - |
| | | HCN | 0.20 | - |
| | | BZ | <0.01 | - |
| AMMF-FUG | Ammonia Fugitives | NH ₃ | 0.17 | 0.74 |
| 7 | Rerun Line 2 | PM | 0.09 | 0.36 |
| | | PM ₁₀ | 0.05 | 0.22 |
| | | PM _{2.5} | 0.04 | 0.16 |
| 8 | Rerun Line 1 | PM | 0.04 | 0.15 |
| | | PM ₁₀ | 0.02 | 0.09 |
| | | PM _{2.5} | 0.02 | 0.06 |
| 19 | Packaging and Shipping | PM | 0.56 | 2.34 |
| | | PM ₁₀ | 0.33 | 1.40 |
| | | PM _{2.5} | 0.24 | 1.01 |

Emission Sources - Maximum Allowable Emission Rates

Emission Sources - Maximum Allowable Emission Rates

| | PM ₁₀ | 0.02 | 0.09 |
|-------------------------|---|------------|------|
| | PM _{2.5} | 0.02 | 0.06 |
| Rerun Line 3 | РМ | 0.04 | 0.15 |
| | PM ₁₀ | 0.02 | 0.09 |
| | PM _{2.5} | 0.02 | 0.06 |
| Packaging and Shipping | РМ | 0.04 | 0.15 |
| | PM ₁₀ | 0.02 | 0.09 |
| | PM _{2.5} | 0.02 | 0.06 |
| Rerun West System | PM | 0.04 | 0.15 |
| | PM ₁₀ | 0.02 | 0.09 |
| | PM _{2.5} | 0.02 | 0.06 |
| Sealed Bin Transloading | PM | 0.09 | 0.40 |
| | PM ₁₀ | 0.06 | 0.24 |
| | PM _{2.5} | 0.04 | 0.17 |
| Fugitives (7) | PM | 2.13 | 8.93 |
| | PM ₁₀ | 1.28 | 5.36 |
| | PM _{2.5} | 0.91 | 3.84 |
| CBO Tank 1 | voc | 1.79 | 0.20 |
| CBO Tank 2 | voc | 1.79 | 0.20 |
| CBO Tank 3 | voc | 1.29 | 0.30 |
| | Packaging and Shipping Rerun West System Sealed Bin Transloading Fugitives (7) CBO Tank 1 CBO Tank 2 | PM2.5 PM | No. |

Emission Sources - Maximum Allowable Emission Rates

Emission Sources - Maximum Allowable Emission Rates

| | T | | | T |
|---|--|-------------------|-------|-------|
| 0.38 | | | | |
| | | PM ₁₀ | 0.27 | 0.38 |
| | | PM _{2.5} | 0.27 | 0.38 |
| | | NO _x | 17.63 | 25.00 |
| | | SO ₂ | 0.02 | 0.03 |
| | | со | 3.02 | 4.16 |
| | | voc | 0.20 | 0.27 |
| L1-VENT, L2-VENT, and | Unit Bagfilter Planned Startup, Combusted Natural Gas Vent to | PM | 0.27 | 0.38 |
| L3-VENT | Atmosphere - MSS (8) | PM ₁₀ | 0.27 | 0.38 |
| | | PM _{2.5} | 0.27 | 0.38 |
| | | NO _x | 17.63 | 25.00 |
| | | SO ₂ | 0.02 | 0.03 |
| | со | 3.02 | 4.16 | |
| | | voc | 0.20 | 0.27 |
| VENT, RX2- load operations including startup and lyent, RX4- VENT, RX5- VENT, RX9 | | voc | - | 0.54 |
| | РМ | - | 0.76 | |
| | | PM10 | - | 0.76 |
| VENT, L1-VENT, L2-VENT, and | | PM2.5 | - | 0.76 |
| L3-VENT) | | NOx | - | 50.00 |
| | | со | - | 8.32 |
| | | SO2 | - | 0.06 |
| BAGFILTFUG | Bagfilter Changeout Fugitives -MSS (9) | PM | 0.57 | 0.01 |
| (5) | | PM ₁₀ | 0.34 | 0.01 |
| | | PM _{2.5} | 0.24 | 0.01 |
| BRICKFUG | Re-bricking Fugitives - MSS (10) | PM | 2.10 | 0.05 |
| | | PM ₁₀ | 2.10 | 0.05 |
| Project Number: 3232 | <u> </u> | 1 | 1 | 1 |

Emission Sources - Maximum Allowable Emission Rates

Emission Sources - Maximum Allowable Emission Rates

| 0.01 | | | | |
|------|--|------------------|------|------|
| | | SO ₂ | 0.01 | 0.02 |
| | | СО | 0.33 | 1.37 |
| | | VOC | 0.30 | 1.25 |
| | | H ₂ S | 0.01 | 0.02 |
| | | cos | 0.01 | 0.01 |
| | | CS ₂ | 0.01 | 0.01 |
| | | BZ | 0.01 | 0.01 |
| | | HCN | 0.01 | 0.01 |
| | | Ethane | 0.03 | 0.11 |
| | | Propane | 0.01 | 0.01 |
| | | Acetylene | 0.01 | 0.05 |

- (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
 - SO_2 sulfur dioxide
 - РΜ total particulate matter, suspended in the atmosphere, including PM₁₀ 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
 - hydrogen sulfide H_2S
 - COS carbonyl sulfide

 - carbon disulfide CS₂
 - HCN hydrogen cyanide
 - ΒZ benzene
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period and a maximum operating schedule of 8400 hours per year.
- (5) VOC includes (but is not limited to) Acetylene, COS, CS2, and BZ.
- (6) Annual emissions are regulated under the waste gas combustion annual emissions cap, EPN: WG-CAP.
- (7) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (8) Startup and shutdown emissions of products of natural gas combustion are captured in the emission rates for EPNs 1 INC and WG-CAP.
- (9) PM emissions from bagfilter changeouts do not occur simultaneously with production emissions from the corresponding unit and are captured by EPNs 1 INC and WG-CAP. Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (10) PM emissions from re-bricking are captured by EPNs 1 INC and WG-CAP. Production rates will be reduced to stay within the PM emission limits. Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

| Permit Numbers | 9403B ar | nd PSDTX6 | 27M2 |
|----------------|----------|-----------|------|
| Page | | | |

| Emission | Sources - | Maximum | Allowable | Emission | Rates |
|----------|-----------|---------|-----------|----------|-------|
| | | | | | |

| Date: | June 22, 2022 |
|-------|---------------|
|-------|---------------|