

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 16786

The total emissions of air contaminants from any of the sources listed on this table shall not exceed the stated values. The annual tons per year (TPY) emission rates are based on a rolling 12-month period.

AIR CONTAMINANTS DATA

| Emission Point Grouping (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|---|---------------------|-----------------------------|----------------|-------|
| | | | lb/hr | TPY |
| South (2B, 19B, 26C, 32A, 32C, 32D, 36, 53A, 53B, 54E, 54F, 60, 62 and 232) | South Building | VOC | 9.70 | 14.86 |
| | | Exempt VOC | 5.90 | 14.70 |
| | | Inorganics | 1.19 | 2.90 |
| | | POC | <0.01 | <0.01 |
| S28AB (28A and 28B) | South Building | VOC | 0.12 | 0.49 |
| | | Exempt VOC | 1.53 | 6.57 |
| | | Inorganics | 1.24 | 3.43 |
| | | POC | 0.09 | 0.01 |
| S204207 (204, 205, 206 and 207) | South Building | Exempt VOC | 0.02 | 0.08 |
| | | Inorganics | 1.00 | 2.20 |
| S109110 (109 and 110) | South Building | Exempt VOC | 0.09 | 0.20 |
| | | Inorganics | <0.01 | <0.01 |
| | | POC | 2.33 | 10.22 |
| S217 (217) | South Building | VOC | 1.44 | 3.26 |
| | | Exempt VOC | 2.72 | 9.31 |
| | | Inorganics | 4.45 | 7.40 |
| | | POC | 0.29 | 0.61 |
| S55 (55) | South Building | VOC | 2.96 | 6.65 |
| | | Exempt VOC | 3.52 | 8.01 |
| SEPI (EPI1, EPI2, EPI3, EPI4, and EPI5) | South Building | Exempt VOC | 0.09 | 0.09 |
| | | Inorganics | 0.15 | 0.50 |
| Floyd (101 and 103) | Floyd Road Building | VOC | 0.36 | 0.36 |
| | | Exempt VOC | 3.48 | 7.60 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission * | Source | Air Contaminant | <u>Emission Rates</u> | |
|-------------------------------------|-----------------------|----------------------|------------------------|--------|
| Point Grouping (1) | Name (2) | Name (3) | lb/hr | TPY |
| | | Inorganics | <0.01 | 0.02 |
| | | POC | <0.01 | <0.01 |
| QTZ (200) | Floyd Road Building | Exempt VOC | 0.09 | 0.09 |
| | | Inorganics | 0.14 | 0.54 |
| Security (11 and 52) | Security Building | VOC | | 0.69 |
| | 1.56 | Exempt VOC | 1.11 | 2.47 |
| | | Inorganics | 0.16 | 0.35 |
| Time (74) | Time Building | VOC (4) | 1.06 | 2.21 |
| | | Exempt VOC (4) | 3.33 | 7.40 |
| | | Inorganics (4) | 0.15 | 0.34 |
| | | POC (4) | 0.31 | 0.68 |
| D4AC (238) | DMOS 4 Building | Exempt VOC | 15.00 | 36.07 |
| | | Inorganics | 1.96 | 5.53 |
| | | POC | <0.01 | <0.01 |
| D4AM (D4AM) | DMOS 4 Building | Inorganics | 1.23 | 4.51 |
| East 51E (51E) | DMOS 4 Building | VOC | Emergency release only | |
| | | Exempt VOC | 0.03 | <0.01 |
| | | POC | Emergency release only | |
| CUP (99, CUP1, CUP2, CUP3 and CUP4) | Central Utility Plant | VOC | 4.39 | 8.16 |
| | | Exempt VOC | 8.05 | 17.54 |
| | | Inorganics | 0.05 | 0.01 |
| | | VOC (Combustion) (4) | 12.50 | 54.74 |
| | | NO _x (4) | 78.35 | 165.15 |
| | | SO _x (4) | 6.85 | 14.50 |
| | | PM (4) | 13.65 | 28.59 |
| | | CO (4) | 19.85 | 88.10 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission * | Source | Air Contaminant | <u>Emission Rates</u> | |
|----------------------------------|--------------------------------|-----------------|-----------------------|-------|
| | | | lb/hr | TPY |
| <u>Point Grouping</u> | <u>(1) Name</u> | <u>(2)</u> | <u>Name (3)</u> | |
| Solvent (213) | Solvent Building | VOC | 4.68 | 7.62 |
| | | Exempt VOC | 4.73 | 10.79 |
| | | Inorganics | <0.01 | 0.01 |
| | | POC | <0.01 | <0.01 |
| D5COR (208, 209, 219 and 220) | DMOS 5 Building | Exempt VOC | 3.70 | 6.00 |
| | | Inorganics | 1.97 | 6.63 |
| | | POC | <0.01 | <0.01 |
| D5VOC (210 and 218) | DMOS 5 Building | VOC | 7.24 | 21.63 |
| | | Exempt VOC | 1.15 | 4.24 |
| | | Inorganics | 0.28 | 0.69 |
| | | POC | 1.20 | 4.35 |
| D6COR (222, 223, and 224) | DMOS 6 Building | Exempt VOC | 0.20 | 0.48 |
| | | Inorganics | 5.23 | 17.84 |
| | | POC | 1.20 | 5.26 |
| D6VOC (221) | DMOS 6 Building | VOC | 2.02 | 4.39 |
| | | Exempt VOC | 0.29 | 0.46 |
| | | POC | 0.25 | 1.07 |
| RD1COR (226) | Kilby Center | Exempt VOC | 1.71 | 3.74 |
| | | Inorganics | 1.29 | 2.83 |
| | | POC 0.70 | 3.05 | |
| RD1VOC (225) | Kilby Center | VOC | 6.35 | 12.95 |
| | | Exempt VOC | 5.71 | 13.11 |
| | | Inorganics | 0.25 | 0.52 |
| | | POC | 0.42 | 2.30 |
| D4/5GEN (D4GEN and D5GEN) | DMOS 4 and DMOS 5 Buildings | VOC | 1.14 | 5.00 |
| SBST (SBST1 and SBST2) | South Building | VOC | 0.32 | 1.59 |
| | | Exempt VOC | 0.02 | 0.07 |

| | | | | |
|---|-----------------|------------|------|------|
| D4/5ST (D4ST1, D4ST2, D4ST3, and D4ST4) | DMOS 4 Building | VOC | 1.01 | 4.44 |
| | | Exempt VOC | 0.04 | 0.18 |

Permit No. 16786
Page 4

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (1) Emission points within groupings are shown in parenthesis.
- (2) Specific source name.
- (3) VOC - volatile organic compounds as defined in TNRCC 30 TAC Section 101.1
Exempt VOC - organic compounds specifically excluded in the definition of VOC in TNRCC 30 TAC Section 101.1
- PM - particulate matter, suspended in the atmosphere, including PM₁₀.
- PM₁₀ - particulate matter 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 - nitrogen oxides
- SO_x - sulfur oxides
- CO - carbon monoxide
- POC - products of combustion including NO_x, SO_x, CO, VOC, and PM
- Inorganics - acids and caustics
- (4) Fugitive (horizontal exhaust) emissions

* The facilities may operate 8,760 hours per year

Dated_____