

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 9438

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) | <u>Emission Rates</u> | |
|--------------------------------|---|-----------------------------|-----------------------|-------|
| | | | lb/hr | TPY |
| SCB-F-01 and SCB-F-06 (4) | Scrubbed Exhaust (wet scrubber) | VOC | 0.27 | 1.20 |
| | | Non-VOC | 0.20 | 0.88 |
| | | Corrosives | 0.50 | 2.19 |
| | | Reactives | <0.01 | 0.01 |
| | | PM | 0.05 | 0.23 |
| SCB-F-03 | Scrubbed Exhaust (wet scrubber) | VOC | 0.27 | 1.20 |
| | | Non-VOC | 0.20 | 0.88 |
| | | Corrosives | 0.50 | 2.19 |
| | | Reactives | <0.01 | 0.01 |
| | | PM | 0.05 | 0.23 |
| SCB-G-01 and SCB-G-02 (4) | Scrubbed Exhaust (wet scrubber) | VOC | 0.27 | 1.20 |
| | | Non-VOC | 0.20 | 0.88 |
| | | Corrosives | 0.50 | 2.19 |
| | | Reactives | <0.01 | 0.01 |
| | | PM | 0.05 | 0.23 |
| GEN-F-01 | General Exhaust (uncontrolled) | VOC | 11.02 | 48.14 |
| | | Non-VOC | 2.10 | 9.20 |
| | | Inerts | 15.03 | 65.84 |
| T0-01 | Thermal Oxidizer (5) (regenerative oxidizer) 2.92 | VOC | 6.31 | 1.83 |
| | | Non-VOC | | 9.92 |
| | | NO _x | 3.90 | 16.43 |
| | | CO | 2.37 | 10.00 |
| | | SO ₂ | 0.17 | 0.72 |
| | | PM | 0.40 | 1.80 |

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| Emission * Point No. (1) | Source Name (2) | Air Contaminant Name (3) | <u>Emission Rates</u> | |
|--------------------------------|--|-----------------------------|-----------------------|------------|
| | | | <u>lb/hr</u> | <u>TPY</u> |
| AMON-F-01 | Ammonia Exhaust (uncontrolled) | Ammonia | 1.80 | 7.88 |
| SCB-G-03 | Building G Scrubbed Exhaust (wet scrubber) | VOC | 0.53 | 2.33 |
| | | Corrosives | 0.08 | 0.36 |
| T0-02 | Rotary Concentrator (concentrator/ thermal oxidizer) (6) | VOC | 6.20 | 3.19 |
| | | Non-VOC | 9.92 | 5.09 |
| | | NO _x | 0.43 | 1.90 |
| | | CO | 0.14 | 0.61 |
| | | SO ₂ | 0.02 | 0.10 |
| | | PM | 0.06 | 0.25 |
| WW1 | Evaporator Ponds (uncontrolled) | Ammonia | 1.08 | 4.73 |
| STOR-COR | Chemical Storage Building (uncontrolled) | Corrosives | 0.11 | |
| | | 0.50 | | |
| STOR-VOC | Chemical Storage Building (uncontrolled) | VOC | 0.11 | |
| | | 0.50 | | |
| D1 | Cold Solvent Degreaser (uncontrolled) | VOC | <0.01 | <0.01 |
| L1 | Lab Exhaust (uncontrolled) | VOC | <0.01 | <0.01 |
| CS1 | Chemical Storage Building <0.01 (uncontrolled) | VOC | <0.01 | <0.01 |
| | | Corrosives | <0.01 | <0.01 |

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- (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 General Rule 101.1
Non-VOC -volatile organic compounds specifically excluded from the definition of volatile organic compounds in General Rule 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - PM - particulate matter
 - CO - carbon monoxide
 - (4) These emission rates are the sum of the two scrubbers.
 - (5) The hourly emission rates are the uncontrolled emissions allowed during planned maintenance activities as specified in Special Condition No. 7. The annual emission rates include 336 hours uncontrolled emissions as specified in Special Condition No. 7.
 - (6) The hourly emission rates are the uncontrolled emissions allowed during planned maintenance activities as specified in Special Condition No. 7. The annual emission rates include 168 hours uncontrolled emissions as specified in Special Condition No. 7.
- * These allowable emission rates do not represent the potential increases allowed under Special Condition No. 4.

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Dated_____