

# Bay Area Air Quality Management District

375 Beale Street, Suite 600  
San Francisco, CA 94105  
(415) 749-5000

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**Final**

## MAJOR FACILITY REVIEW PERMIT

**Issued To:**  
**Corteva Agriscience LLC**  
**Facility #A0031**

**Facility Address:**  
901 Loveridge Road  
Pittsburg, CA 94565

**Mailing Address:**  
PO Box 1398  
Pittsburg, CA 94565

**Responsible Official**

Jose A. Carrascal, Pittsburg Site Director  
Telephone #925 432-5455

**Facility Contact**

Marvin Louie, Environmental Specialist  
Telephone #925 432-5525

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**Type of Facility:** Chemical Manufacturing  
**Primary SIC:** 2879  
**Product:** Agricultural Chemicals

**BAAQMD Engineering Division Contact:**  
Irma Salinas

**ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

**Pamela Leong**  
Pamela Leong  
2021.03.04  
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Pamela J. Leong  
Director of Engineering

March 3, 2021  
Date

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## I. STANDARD CONDITIONS

### A. Administrative Requirements

The permit holder shall comply with all applicable requirements in the following regulations:

- BAAQMD Regulation 1 - General Provisions and Definitions  
(as amended by the District Board on 5/4/11);
- SIP Regulation 1 - General Provisions and Definitions  
(as approved by EPA through 6/28/99);
- BAAQMD Regulation 2, Rule 1 - Permits, General Requirements  
(as amended by the District Board on 12/6/17);
- BAAQMD Regulation 2, Rule 2 - Permits, New Source Review  
(as amended by the District Board on 12/6/17);
- BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking  
(as amended by the District Board on 12/4/17);
- BAAQMD Regulation 2, Rule 5 – New Source Review of Toxic Air Contaminants  
(as amended by the District Board on 12/7/16);
- BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review  
(as amended by the District Board on 12/6/17); and
- SIP Regulation 2, Rule 6 – Permits Major Facility Review  
(as approved by EPA through 6/23/95).

### B. Conditions to Implement Regulation 2, Rule 6, Major Facility Review

1. This Major Facility Review Permit was issued on January 15, 2016 and expires on January 14, 2021. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than July 14, 2020 and no earlier than January 14, 2020. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after January 14, 2021.** If the permit renewal has not been issued by January 14, 2021, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407, & 409.6; MOP Volume II, Part 3, §4.2)
2. The permit holder shall comply with all Conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and Conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)
3. In the event any enforcement action is brought as a result of a violation of any term or Condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or Condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)
4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)

## **I. Standard Conditions**

5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit Condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit which the permittee considers proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (Regulation 2-6-409.20, MOP Volume II, Part 3, §4.11)
12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless of whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

## **C. Requirement to Pay Fees**

The permit holder shall pay annual fees in accordance with District Regulation 3, including Schedule P. (Regulation 2-6-402 & 409.13, Regulation 3; MOP Volume II, Part 3, §4.12)

## I. Standard Conditions

### D. Inspection and Entry

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment which is subject to this permit to the APCO and/or to his or her designee. (Regulation 1-440, Regulation 2-6-409.3; MOP Volume II, Part 3, §4.14)

### E. Records

1. The permit holder must provide any information, records, and reports requested or specified by the APCO. (Regulation 1-441, Regulation 2-6-409.4)
2. Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of creation of the record. (Regulation 2-6-501, MOP Volume II, Part 3, §4.7)

### F. Monitoring Reports

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. The first reporting period for this permit shall be December 1, 2003, to May 31, 2004. The report shall be submitted by June 30, 2004. Subsequent reports shall be for the following periods: June 1<sup>st</sup> through November 30<sup>th</sup> and December 1<sup>st</sup> through May 31<sup>st</sup>, and are due on the last day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent by e-mail to [compliance@baaqmd.gov](mailto:compliance@baaqmd.gov) or by postal mail to the following address:

Director of Compliance and Enforcement  
Bay Area Air Quality Management District  
375 Beale Street, Suite 600  
San Francisco, CA 94105  
Attn: Title V Reports

(Regulation 2-6-502, MOP Volume II, Part 3, §4.7)

### G. Compliance Certification

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification period will be December 1st through November 30th. The certification shall be submitted by December 31st of each year. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the

## I. Standard Conditions

certification shall be sent by e-mail to [r9.aeo@epa.gov](mailto:r9.aeo@epa.gov) or postal mail to the Environmental Protection Agency at the following address:

Director  
Enforcement Division, TRI & Air Section (ENF-2-1)  
USEPA, Region 9  
75 Hawthorne Street  
San Francisco, CA 94105

(MOP Volume II, Part 3, §4.5 and 4.15)

## H. Emergency Provisions

1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)
2. The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. (MOP Volume II, Part 3, §4.8)
3. The granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement. (MOP Volume II, Part 3, §4.8)

## I. Severability

In the event that any provision of this permit is invalidated by a court or tribunal of competent jurisdiction, or by the Administrator of the EPA, all remaining portions of the permit shall remain in full force and effect. (Regulation 2-6-409.5; MOP Volume II, Part 3, §4.10)

## J. Miscellaneous Conditions

1. The maximum capacity for each source as shown in Table II-A is the maximum allowable capacity. Exceedance of the maximum allowable capacity for any source is a violation of Regulation 2, Rule 1, Section 301. (Regulation 2-1-301)

## K. Accidental Release

This facility is subject to 40 CFR Part 68, Chemical Accident Prevention Provisions. The permit holder shall submit a risk management plan (RMP) by the date specified in §68.10. The permit holder shall also certify compliance with the requirements of Part 68 as part of the annual compliance certification, as required by Regulation 2, Rule 6. (40 CFR Part 68, Regulation 2, Rule 6)

## II. EQUIPMENT

**Table II A - Permitted Sources**

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. Exempt sources that have a source number are included in this Table. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

| S-# | Description  | Make or Type and Model  | Capacity                             |
|-----|--|---|--------------------------------------|
| 4   | HCL Rail Tank Car Loading, Central Rail Loading Rack, Acid, TC-1 | 3 loading arms  | 96 tons/hour of HCl                  |
| 5   | 720 Terminalized Products  | Dow Custom Design, 15 loading arms, 15 pumps, part splash/part submerged fill; 6 loading arms and pumps for exempt products | Largest single pump capacity 800 gpm |
| 6   | 725 Terminalized Products  | Dow Custom Design, 5 loading arms, 5 pumps, part splash/part submerged fill; 8 loading arms and pumps for exempt products   | Largest single pump capacity 800 gpm |
| 7   | 725 Block Truck Loading  | Dow Custom Design, 6 loading arms, 6 pumps, splash fill; 3 loading arms and pumps for exempt products                       | Largest single pump capacity 800 gpm |
| 10  | T-503A Material Flow   | Fixed Roof Tank   | 11,000 gallons                       |
| 11  | T-503B Material Flow   | Fixed Roof Tank   | 11,000 gallons                       |
| 12  | T-705 Rainwater Storage at former Latex Plant (exempt 2-1-123.2) | Fixed Roof Tank   | 21,000 gallons                       |
| 13  | T-504B Material Flow   | Fixed Roof Tank   | 21,000 gallons                       |
| 14  | T-504C Paraffins   | Fixed Roof Tank   | 21,000 gallons                       |
| 21  | T-507 Material Flow, n-methylpyrrolidine (exempt 2-1-123.3)      | Fixed Roof Tank   | 40,000 gallons                       |
| 26  | T-604B Glycols (exempt 2-1-123.3)                                | Fixed Roof Tank   | 307,000 gallons                      |
| 27  | T-605A Terminalized Products                                     | Fixed Roof Tank, bottom/submerged fill  | 69,000 gallons                       |
| 28  | T-605B Material Flow   | Fixed Roof Tank, bottom/submerged fill  | 69,000 gallons                       |
| 29  | T-608A Terminalized Products                                     | Fixed Roof Tank, bottom/submerged fill  | 333,000 gallons                      |
| 30  | T-608B Terminalized Products                                     | Fixed Roof Tank, bottom/submerged fill  | 333,000 gallons                      |
| 31  | T-609 Terminalized Products                                      | Fixed Roof Tank, bottom/submerged fill  | 288,000 gallons                      |
| 33  | T-727 Terminalized Products                                      | Fixed Roof Tank, bottom/submerged fill  | 159,000 gallons                      |
| 34  | T-721 Inorganic Liquid (exempt 2-1-123.2)                        | Fixed Roof Tank   | 430,000 gallons                      |
| 35  | T-773 Terminalized Products                                      | Fixed Roof Tank, bottom/submerged fill  | 97,000 gallons                       |
| 36  | N-Serve Plant Storage  | Fixed Roof Tank, bottom/submerged fill  | 430,000 gallons                      |
| 37  | T-771 Terminalized Products (exempt 2-1-123.3.2)                 | Fixed Roof Tank   | 62,000 gallons                       |
| 38  | T-772 Terminalized Products (exempt 2-1-123.3.2)                 | Fixed Roof Tank   | 62,000 gallons                       |
| 40  | Utilities Water Treatment Tank T-24                              | Fixed Roof Tank   | 1,100 gallons                        |

## II. Equipment

**Table II A - Permitted Sources**

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. Exempt sources that have a source number are included in this Table. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

| S-# | Description  | Make or Type and Model  | Capacity        |
|-----|--|---|-----------------|
| 44  | N-Serve Plant  | Reactors, Columns, and Tanks  |                 |
| 45  | T-1 N-Serve  | Fixed Roof Tank, bottom/submerged fill  | 15,000 gallons  |
| 46  | T-13 N-Serve (exempt 2-1-123.3.6)                    | Fixed Roof Tank   | 20,000 gallons  |
| 47  | T-18 N-Serve (exempt 2-1-123.3.6)                    | Fixed Roof Tank   | 20,000 gallons  |
| 48  | T19A N-Serve   | Pressure Tank, splash fill, nitrogen blanketed                                | 2,000 gallons   |
| 49  | T19B N-Serve   | Pressure Tank, splash fill, nitrogen blanketed                                | 2,000 gallons   |
| 51  | T-22 N-Serve (exempt 2-1-123.3.2)                    | Pressure Tank   | 4,000 gallons   |
| 54  | T-26 N-Serve (exempt 2-1-123.1)                      | Pressure Tank   | 84,000 gallons  |
| 55  | T-30 N-Serve   | Pressure Tank, bottom/submerged fill, nitrogen blanketed, heat transfer fluid | 1,700 gallons   |
| 56  | T-31 N-Serve   | Fixed Roof Tank, bottom/submerged fill  | 50,000 gallons  |
| 57  | T-32 N-Serve   | Fixed Roof Tank, part splash/part submerged fill                              | 147,000 gallons |
| 61  | T-780 N-Serve  | Fixed Roof Tank, bottom/submerged fill  | 40,000 gallons  |
| 62  | T-781 N-Serve  | Fixed Roof Tank, bottom/submerged fill  | 40,000 gallons  |
| 63  | T-782 N-Serve  | Fixed Roof Tank, bottom/submerged fill  | 50,000 gallons  |
| 64  | Heat Transfer Operation – Other (exempt 2-1-114.1.2) | Natural Gas Fired   | 2.94 MMBtu/hour |
| 81  | T-183 Sym Tet (exempt 2-1-123.3.2)                   | Pressure Tank   | 1,200 gallons   |
| 135 | HCl Storage Tank T-606A                              | Rubber-Lined Fixed Roof Tank  | 250,000 gallons |
| 136 | HCl Storage Tank T-606B                              | Rubber-Lined Fixed Roof Tank  | 250,000 gallons |
| 137 | HCl Storage Tank T-606C                              | Rubber-Lined Fixed Roof Tank  | 400,000 gallons |
| 138 | HCl Storage Tank T-606D                              | Rubber-Lined Fixed Roof Tank  | 400,000 gallons |
| 139 | HCl Storage Tank T-606E                              | Rubber-Lined Fixed Roof Tank  | 400,000 gallons |
| 140 | Storage Tank T-606F (exempt per 2-1-123.2)           | Rubber-Lined Fixed Roof Tank  | 400,000 gallons |
| 151 | T-614 Terminalized Products                          | Fixed Roof Tank, bottom/submerged fill  | 700,000 gallons |
| 153 | T-604 Terminalized Products                          | Fixed Roof Tank, bottom/submerged fill  | 307,000 gallons |
| 154 | T-616 Fresh Water Storage (exempt 2-1-123.3.2)       | Aqueous Materials Storage Tank  | 700,000 gallons |
| 161 | Maintenance Paint Booth M-1 (exempt per 2-1-118.10)  |   |                 |
| 164 | Maintenance Exhaust Area M-2 (exempt)                |   | 90,000 cfm      |



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| S-# | Description   | Make or Type and Model  | Capacity                 |
|-----|---|---|--------------------------|
| 167 | Maintenance Welding Facility W-5 (exempt)                                       |   | 144,000 cfm              |
| 168 | Maintenance Welding Facility W-6 (exempt)                                       |   | 84,000 cfm               |
| 170 | Maintenance Paint Booth M-4 (exempt per 2-1-118.10)                             |   |                          |
| 172 | Maintenance Exhaust Area M-5 (exempt)   |   | 34,000 cfm               |
| 174 | GDF, G#131  | Husky black unleaded nozzle, hoses, swivels, breakaway, 1 pump, splash fill; 10,000 gallon underground tank – submerged fill, Phase I – 2 point | 20,000 gallons/12 months |
| 176 | Chloralkali Cooling Tower H-1A  | Marley Class 600  | 24,900 gpm               |
| 177 | Chloralkali Cooling Tower H-1B  | Marley Class 600  | 24,900 gpm               |
| 178 | Chloralkali Cooling Tower H-2A  | Marley Class 600  | 24,900 gpm               |
| 179 | Chloralkali Cooling Tower H-2B  | Marley Class 600  | 24,900 gpm               |
| 188 | T-641 Aqueous Potassium Chloride (exempt 2-1-123.2)                             | Fixed Roof Tank   | 125,000 gallons          |
| 189 | T-642 Partially Chlorinated Heterocyclics (exempt 2-1-123.3.2)                  | Fixed Roof Tank   | 50,000 gallons           |
| 190 | T-643 Product Storage, Partially Chlorinated Heterocyclics (exempt 2-1-123.3.9) | Fixed Roof Tank   | 50,000 gallons           |
| 191 | T-664 Product Storage Glycols (exempt 2-1-123.3.9)                              | Fixed Roof Tank   | 50,000 gallons           |
| 192 | T-646A Material Handling (exempt)   | Fixed Roof Tank   | 2,000 gallons            |
| 193 | T-646B Material Handling (exempt 2-1-123.2)                                     | Fixed Roof Tank   | 20,000 gallons           |
| 194 | T-647 Feed Tank (exempt 2-1-123.3.2)  | Fixed Roof Tank   | 10,000 gallons           |
| 195 | T-648 Partially Chlorinated Heterocyclics (exempt 2-1-123.3.9)                  | Fixed Roof Tank   | 10,000 gallons           |
| 196 | T-731 Material Handling Wastewater (exempt 2-1-123.2)                           | Fixed Roof Tank   | 419,000 gallons          |
| 197 | T-725 Terminalized Products (exempt 2-1-123.3.9)                                | Fixed Roof Tank   | 419,000 gallons          |

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| S-# | Description   | Make or Type and Model  | Capacity         |
|-----|---|---|------------------|
| 210 | T-8 Former Latex Plant Antioxidant Storage (exempt 2-1-123.3.6) | Fixed Roof Tank   | 4,500 gallons    |
| 212 | Former Latex Plant Seed Latex Storage (exempt 2-1-123.3.9)      | Fixed Roof Tank   | 10,000 gallons   |
| 224 | T-31 Former Latex Tank Defoamer Storage (exempt 2-1-123.3.2)    | Fixed Roof Tank   | 140 gallons      |
| 225 | T-45 Versonal Tank (exempt 2-1-123.3.9)                         | Fixed Roof Tank   | 6,300 gallons    |
| 231 | T-112 Former Latex Product Tank (exempt 2-1-123.3.9)            | Fixed Roof Tank   | 4,000 gallons    |
| 233 | T-302A Former Latex Product Filter Feed (exempt 2-1-123.3.9)    | Fixed Roof Tank   | 4,000 gallons    |
| 237 | T-302B Former Latex Product Filter Feed (exempt 2-1-123.3.9)    | Fixed Roof Tank   | 4,000 gallons    |
| 286 | Railcar Purging Facility At Car-Barn                            | Hoses, water scrubber, water tanks                                  | 22,000 Gallons   |
| 299 | T-113 Hydrochloric Acid Storage Tank (exempt 2-1-123.2)         | Fixed Roof Tank   | 20,000 gallons   |
| 301 | T-103 Hydrochloric Acid Storage (exempt 2-1-123.2)              | Fixed Roof Tank   | 20,000 gallons   |
| 302 | Dowicil Train 1   | Littleford Reactor/Drier Train                                      |                  |
| 303 | Dowicil Train 2   | Littleford Reactor/Drier Train                                      |                  |
| 309 | Heat Transfer Operation – Other (exempt 2-1-114.1.2)            | Natural Gas Fired   | 2.6 MMbtu/hour   |
| 320 | T-100 Teminalized Products, Ethers (exempt 2-1-123.3.2)         | Fixed Roof Tank   | 200 gallons      |
| 321 | D-608A Dryer  | PSF Resin Bed Dryer, 200 cfm, solvent circulation rate 35 tons/hour | 250 gallons      |
| 322 | D203A/B Portable Dryers   | PSF Resin Bed Dryer, 200 cfm, solvent circulation rate 35 tons/hour | 150 gallons each |
| 323 | D-605A Dryer  | PSF Resin Bed Dryer, 200 cfm, solvent circulation rate 35 tons/hour | 200 gallons      |
| 324 | D-609 Dryer   | PSF Resin Bed Dryer, 200 cfm, solvent circulation rate 35 tons/hour | 200 gallons      |
| 325 | Dock Flush Tank (exempt per 2-1-123.1)                          | Fixed Roof Tank   | 50 gallons       |
| 326 | T-601 Dock Recovery Tank  | Fixed Roof Tank, bottom/submerged fill                              | 500 gallons      |

## II. Equipment

**Table II A - Permitted Sources**

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. Exempt sources that have a source number are included in this Table. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

| S-#  | Description  | Make or Type and Model   | Capacity                                     |
|------|--|--|--|
| 327  | T-602 Dock Recovery Tank, Wastewater (exempt per 2-1-123.2)        | Fixed Roof Tank  | 6,800 gallons                                |
| 336  | Manufacturing Services Thermal Oxidizer                            | Custom Design, burning natural gas, process vents, and waste liquids   | 4,998,000 BTU/hour, 650 lb/hour liquid waste |
| 346  | T-241 Trifluoro Storage  | Fixed Roof Tank, bottom/submerged fill                                 | 400 gallons                                  |
| 372  | T-20 in Block 560  | Fixed Roof Tank, bottom/submerged fill                                 | 500 gallons                                  |
| 373  | Dowtherm Heat Exchange Fluid Storage (exempt 2-1-123.3.2)          | Pressure Tank  | 360 gallons                                  |
| 375  | Heat Transfer Operation – Other (exempt 2-1-114.1.2)               | Natural Gas Fired  | 1 MMBtu/hour                                 |
| 382  | N-Serve Unit Storage T-783   | Fixed Roof Tank, bottom/submerged fill                                 | 116,000 gallons                              |
| 383  | Petroleum Hydrocarbon Distillate Tank, T-724                       | Fixed Roof Tank, bottom/submerged fill                                 | 584,000 gallons                              |
| 389  | Sym-Tet Thermal Oxidizer, R-501                                    | Custom Design, burning natural gas, process vents, and liquid waste    | 3,000,000 BTU/hour                           |
| 393  | T-121 Water Storage (exempt 2-1-123.2)                             | Fixed Roof Tank  | 20,000 gallons                               |
| -400 | Thermal Oxidizer R-901   | Custom Design, tube fired boiler, burning natural gas and liquid waste | 1,300,000 BTU/hour                           |
| 401  | B-901 Acid Adsorber, Hydrochloric Acid                             | Custom Design HCl absorber   |  |
| 402  | Acid Storage Tank T-901  | Fiberglass Tank  | 2400 gallons                                 |
| 407  | T-728 N-Serve Formulation Tank                                     | Fixed Roof Tank, bottom/submerged fill                                 | 420,000 gallons                              |
| 408  | T-723 Terminalized Products  | Pressure Tank, Sphere, bottom/submerged fill                           | 215,000 gallons                              |
| 423  | T-301 Sym-Tet Partially Chlorinated Heterocyclics Storage (exempt) | Fixed Roof Tank  | 15,500 gallons                               |
| 424  | T-302 Sym-Tet Partially Chlorinated Heterocyclics Storage (exempt) | Fixed Roof Tank  | 15,500 gallons                               |
| 425  | T-303 Sym-Tet Partially Chlorinated Heterocyclics Storage (exempt) | Fixed Roof Tank  | 15,500 gallons                               |
| 426  | T-304 Sym-Tet Partially Chlorinated Heterocyclics Storage (exempt) | Fixed Roof Tank  | 15,500 gallons                               |

## II. Equipment

**Table II A - Permitted Sources**

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. Exempt sources that have a source number are included in this Table. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

| S-# | Description   | Make or Type and Model  | Capacity            |
|-----|---|---|---------------------|
| 428 | H-300 Sym-Tet Processing<br>(exempt per 2-1-123.3.2)                  | Dow Custom Design, 25 feet X 15 feet  |                     |
| 431 | Carbon Tetrachloride Pressure Vessel D-260A                           | Pressure Tank, part splash/part submerged fill                                | 36,625 gallons      |
| 432 | Carbon Tetrachloride Pressure Vessel D-260B                           | Pressure Tank, part splash/part submerged fill                                | 36,625 gallons      |
| 434 | Manufacturing Services Facility                                       | Columns, In-process Tanks, Driers   |                     |
| 435 | T-126 N-Serve Distillation Vessel                                     |   |                     |
| 439 | T-306 Sym-Tet Partially Chlorinated Heterocyclics Storage<br>(exempt) | Pressure Tank   | 15,500 gallons      |
| 440 | T-164 Sym-Tet Partially Chlorinated Heterocyclics<br>(exempt)         | Fixed Roof Tank   | 50,000 gallons      |
| 441 | T171E Sym-Tet Partially Chlorinated Heterocyclics<br>(exempt)         | Pressure Tank   | 736 gallons         |
| 442 | T-171C Sym-Tet Partially Chlorinated Heterocyclics<br>(exempt)        | Pressure Tank   | 1352 gallons        |
| 443 | T-172 Sym Tet Pechlorinated heterocyclics (exempt)                    | Fixed Roof Tank   | 20,000 gallons      |
| 444 | U-183 Dowtherm Heater   | Eclipse Process Heater, Alzeta low NOx burners, natural gas                   | 28,000,000 BTU/hour |
| 446 | Sym-Tet Plant   | Chemical Reactors, Columns, Tanks, and Compressors                            |                     |
| 447 | T-774   | Fixed Roof Tank, part splash/part submerged fill                              | 98,000 gallons      |
| 448 | H-200 Sym-Tet (exempt per 2-1-123.3.2)                                | Dow Custom Design, Separation/purification                                    | 0.31 tons/hour      |
| 450 | T-32A Sodium Hydroxide Storage<br>(exempt 2-1-123.2)                  | Fixed Roof Tank   | 25,000 gallons      |
| 451 | T-32B Sodium Hydroxide Storage<br>(exempt 2-1-123.2)                  | Fixed Roof Tank   | 25,000 gallons      |
| 458 | T-80 in Block 660   | Pressure Tank, insulated, part splash/part submerged fill                     | 600 gallons         |
| 460 | U-83 Dowtherm Burner  | Process Heater, Eclipse Lookout 1250-8 VHC, Coen Low NOx Burners, natural gas | 25,000,000 BTU/hour |
| 461 | Plant 663 R-401 Reactor   | Pfudler   |                     |
| 462 | Plant 663 R-402 Reactor   | Pfudler   |                     |

## II. Equipment

**Table II A - Permitted Sources**

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. Exempt sources that have a source number are included in this Table. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

| S-# | Description  | Make or Type and Model   | Capacity                             |
|-----|--|--|--------------------------------------|
| 463 | Plant 663 F-403 Separator                                      | Tolhurst Batch-O-Matic 48 inches X 30 inches   |                                      |
| 465 | Plant 663 D-413 Dryer  | Rotary Dryer, 3 feet diameter X 10 feet  |                                      |
| 466 | Plant 663 T-408A Intermediate Product Storage                  | Pressure tank operated as atmospheric tank, splash fill, 8 feet diameter X 8 feet high | 3500 gallons                         |
| 467 | Plant 663 T-408B Intermediate Product Storage                  | Pressure tank operated as atmospheric tank, splash fill, 8 feet diameter X 8 feet high | 3500 gallons                         |
| 474 | Verdict Reactor R-210 (Plant 421)                              | Reactor  |                                      |
| 476 | Plant 421 Trifluoro  | Reactors, Columns, and Tanks   |                                      |
| 482 | Carbon Tetrachloride Rail Car Loading                          | Rail cars up to 15,000 gallons capacity  | 10,075 gallons/hour                  |
| 483 | Carbon Tetrachloride Rail Car Loading                          | Rail cars up to 15,000 gallons capacity  | 4,400 gallons/hour                   |
| 492 | T-403 Environmental Services                                   | Pressure Tank, bottom/submerged fill   | 33,400 gallons                       |
| 496 | T-241 Storage Tank Specialty Chemicals                         | Pressure Tank, part splash/part submerged fill   | 2,000 gallons                        |
| 498 | Sym Tet T-102 Storage Tank                                     | Fixed Roof Tank, part splash/part submerged fill                                       | 13,300 gallons                       |
| 504 | Chlorinolysis Train 1 (R-1001, R-1002, & B-1001)               | 2 Reactors and Distillation Column   | 4000 gallons each, 900 gallons/hour  |
| 505 | Chlorinolysis Train 2 (R-1003 & R-1004)                        | 2 Reactors   | 4000 gallons each, 1200 gallons/hour |
| 509 | T-20 T-Dodecyl Mercaptan Storage (exempt 2-1-123.3.2)          | Pressure Tank  | 10,000 gallons                       |
| 515 | T-16A Anhydrous Hydrochloric Acid Storage (exempt 2-1-123.3.1) | Pressure Tank  | 2,600 gallons                        |
| 516 | T-16B Anhydrous Hydrochloric Acid Storage (exempt 2-1-123.3.1) | Pressure Tank  | 2,600 gallons                        |
| 519 | Chlorinated Pyridine Storage T-502A                            | Pressure Tank, part splash/part submerged fill   | 15,000 gallons                       |
| 520 | Chlorinated Pyridine Storage T-501B                            | Pressure Tank, part splash/part submerged fill   | 15,000 gallons                       |
| 521 | Water Treatment System-Steam Stripper                          | Vapor pump, stripper column, piping system, tanks D-5A and D-5B                        | 12,000 gallons/hour                  |
| 530 | T-902 HCl Storage Tank (36%)                                   | Fixed Roof Tank, 7 feet diameter X 8 feet high   | 2,400 gallons                        |
| 535 | D-605B Portable Dryer  | Resin Bed Dryer, 200 cfm, solvent circulation 6,000 gallons/hour                       | 200 gallons                          |
| 576 | 36% HCL Storage Tank T-122                                     | Derakane 470.36  | 128,000 gallons                      |
| 580 | T-3A Specialty Chemicals Storage Tank                          | Pressure Tank, part splash/part submerged fill   | 4,000 gallons                        |

## II. Equipment

**Table II A - Permitted Sources**

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. Exempt sources that have a source number are included in this Table. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

| S-# | Description   | Make or Type and Model  | Capacity             |
|-----|---|---|----------------------|
| 581 | T-3B Specialty Chemicals Storage Tank                                 | Pressure Tank, part splash/part submerged fill                              | 7,500 gallons        |
| 582 | T-215 Specialty Chemicals Storage Tank                                | Pressure Tank, bottom/submerged fill  | 15,600 gallons       |
| 583 | T-200 Specialty Chemicals Storage Tank                                | Pressure Tank, bottom/submerged fill  | 15,600 gallons       |
| 584 | Drum Stations, Perchlorinated Heterocyclics (exempt)                  |   |                      |
| 593 | Plant 640, Section 1  | Reactors, Columns, Tanks, Centrifuges, and Dryer                            |                      |
| 594 | Plant 640, Section 2  | Reactors, Columns, and Tanks  |                      |
| 595 | Plant 640, Section 3  | Reactors, Columns, and Tanks  |                      |
| 596 | Plant 640, Section 4  | Reactors, Column, and Tanks   |                      |
| 602 | Bulk Plant (truck/rail), Partially Chlorinated Heterocyclics (exempt) | Bottom Submerged Fill   |                      |
| 604 | Truck Loading Facility Plant 640                                      | Dow Custom Design, 1 loading arm, 1 pump, submerged fill                    |                      |
| 606 | T-602 Partially Chlorinated Heterocyclics Storage (exempt)            | Pressure Tank   | 11,060 gallons       |
| 607 | T-1904 Plant 640  | Pressure Tank, part splash/part submerged fill                              | 8,253 gallons        |
| 618 | Cooling Tower, Water (exempt 2-1-128.4)                               |   | 6,200 gpm            |
| 620 | HCl Truck Loading Operation   | Dow Custom Design, 1 loading arm, 1 pump, splash fill                       | 300 gpm              |
| 622 | Bulk Plant (Rail/Truck), Chlorinated Pyridine Truck Loading (exempt)  | Splash fill   |                      |
| 623 | T-650 Chlorinated Pyridine Storage (exempt 2-1-123.3.2)               | Pressure Tank   | 600 gallons          |
| 625 | T-610 PERC Expansion Tank   | Pressure Tank, part splash/part submerged fill                              | 275 gallons          |
| 630 | Liquid Chlorine Unloading Operation (exempt)                          | Dow custom design   | 10 tons/hour         |
| 631 | D-203C Portable Resin Drier   | Resin Bed Dryer, 200 cfm, solvent circulation 35 tons/hour                  | 413 gallon           |
| 632 | T-432 Wastewater Storage Tank (exempt 2-1-123.2)                      | Fixed roof tank   | 340,000 gallons      |
| 633 | Water Treatment Carbon Beds Regeneration                              | Dow Custom Design, 4 carbon beds, steam regeneration system, heat exchanger | 9,600 gallons/minute |

## II. Equipment

**Table II A - Permitted Sources**

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. Exempt sources that have a source number are included in this Table. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

| S-# | Description  | Make or Type and Model  | Capacity       |
|-----|--|---|----------------|
| 641 | T-440 Groundwater Treatment Plant Decant Tank            | Pressure Tank, bottom/submerged fill                                      | 5,260 gallons  |
| 644 | T-34A, Hydrochloric Acid Storage Tank                    | Fixed roof tank, bottom fill  | 25,000 gallons |
| 645 | T-34B, Hydrochloric Acid Storage Tank                    | Fixed roof tank, bottom fill  | 25,000 gallons |
| 646 | 36% Hydrochloric Acid Tank Truck Loading Operation       | Dow Custom Design, 1 loading arm, 2 pump, splash fill                     |                |
| 647 | Catalytic Hydrogen Chloride Plant                        | Dow Custom Design, 4 Reactors, 2 process tanks                            |                |
| 648 | E-277 HCl Absorber                                       | Custom Design   |                |
| 649 | T-277 36% HCl Storage Tank                               | Pressure tank, top fill   | 2,000 gallons  |
| 650 | T-280A 36% HCl Storage Tank                              | Pressure tank, bottom fill  | 10,000 gallons |
| 651 | T-280B 36% HCl Storage Tank                              | Pressure tank, bottom fill  | 10,000 gallons |
| 652 | T-280C 36% HCl Storage Tank                              | Pressure tank, bottom fill  | 10,000 gallons |
| 654 | Abrasive Blasting Operation                              | Dow Custom Design   | 0.13 tons/hour |
| 662 | Storage Tank, T-243                                      | Pressure Tank, bottom/submerged fill                                      | 15,000 gallons |
| 663 | Storage Tank, T-242                                      | Pressure Tank, bottom/submerged fill                                      | 15,000 gallons |
| 664 | Storage Tank, T-244                                      | Pressure Tank, bottom/submerged fill                                      | 10,000 gallons |
| 674 | H-350 Chlorinated Pyridine Purification Storage (exempt) | Dow custom design   |                |
| 680 | T-440 Pressure Vessel Storage Tank                       | Pressure Tank, splash fill, Carbon tetrachloride                          | 25,000 gallons |
| 681 | Truck Transfer   | Dow Custom Design, 1 loading arm, 1 pump, part splash/part submerged fill | Gravity fed    |
| 693 | Distillation System                                      | 2 columns; 4 tanks  |                |
| 694 | Reaction/HCL Absorption System                           | 2 columns; 2 reactors; 4 tanks  |                |
| 695 | T-580 FTF Storage  | Pressure tank,  | 1,000 gallons  |
| 696 | T-585  | Pressure tank   | 8,800 gallons  |
| 697 | ISO Container Loading Operation                          | one CARB 15 loading arm, one pump   |                |
| 699 | Purge Tank/Drum Loading Operation                        | Gravity fed – no loading arms, nozzles, or pumps                          |                |
| 701 | T-12 at Manufacturing Services                           | Fixed roof tank, White, 8 ft diam, may be operated as a pressure tank     | 3750 gallons   |

## II. Equipment

**Table II A - Permitted Sources**

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. Exempt sources that have a source number are included in this Table. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

| S-# | Description  | Make or Type and Model            | Capacity       |
|-----|--|-----------------------------------|----------------|
| 703 | Degreaser (Cold Cleaner), Methylated Siloxane (exempt 2-1-118.4) |                                   |                |
| 706 | Diesel Engine for FPI Standby Generator                          | 885 in3 displacement, Diesel fuel | 535 hp         |
| 707 | Detroit Diesel Standby Generator P1A                             | 552 in3 displacement, Diesel fuel | 328 hp         |
| 708 | Detroit Diesel Standby Generator P1B                             | 552 in3 displacement, Diesel fuel | 328 hp         |
| 709 | DMT Standby Generator 471A                                       | 226 in3 displacement, Propane     | 58 hp          |
| 710 | Onan Standby Generator (exempt per 2-1-114.2.1)                  | 210 in3 displacement, Diesel fuel | 50 hp          |
| 711 | Onan Standby Generator   | 239 in3 displacement, Diesel fuel | 86 hp          |
| 718 | Nitrapyrin Formulation Plant                                     |                                   |                |
| 719 | Aromatic 200 Storage (exempt 2-1-123.3.2)                        | Pressure Tank                     | 37,200 gallons |
| 720 | T-310 Organic Mix Tank   | Fixed Roof Tank                   | 9,000 gallons  |
| 721 | D-110A Organic Liquid Storage Tank (exempt 2-1-123.3.2)          | Pressure Tank                     | 10,000 gallons |
| 722 | T-8 Tergitol Storage Tank (exempt 2-1-123.3.6)                   | Pressure Tank                     | 5,900 gallons  |
| 723 | T-9 Tergitol Storage Tank (exempt 2-1-123.3.6)                   | Pressure Tank                     | 5,900 gallons  |
| 724 | T-15 Propylene Glycol Storage (exempt 2-1-123.3.2)               | Fixed Roof Tank                   | 7,820 gallons  |
| 725 | V-250 Aqueous Tank   | Fixed Roof Tank                   | 2,900 gallons  |
| 726 | (T-112) Indopol H-15 (exempt per 2-1-123.3.2)                    | Fixed Roof Tank                   | 8,800 gallons  |
| 727 | Gel Phase Mix Tank   | Fixed Roof Tank                   | 1,500 gallons  |
| 728 | T-20 Ethylene Diamine Storage                                    | Fixed Roof Tank                   | 9,987 gallons  |
| 729 | V-100 Encapsulation Vessel                                       | Fixed Roof Tank                   | 8,200 gallons  |
| 730 | (T-569) Nitrapyrin Formulation Storage                           | Fixed Roof Tank                   | 80,000 gallons |



## II. Equipment

**Table II A - Permitted Sources**

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. Exempt sources that have a source number are included in this Table. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

| S-#  | Description                                  | Make or Type and Model                                       | Capacity                     |
|------|--|--|------------------------------|
| 731  | (T-570) Nitrpyrin Formulation Storage        | Fixed Roof Tank  | 80,000 gallons               |
| 732  | T-16 Storage Tank, Water/Organics Mixture    | Fixed Roof Tank  | 13,500 gallons               |
| 733  | T-216 Mixing Tank                            | Fixed Roof Tank  | 11,500 gallons               |
| 734  | N-Serve TG Isotainer                         | Isotainer Tank   | 4,600 gallons                |
| 735  | (T-751) Proxel Tote (exempt per 2-1-123.3.2) | Tote (2 totes)   | Each 376 gallons             |
| 736  | Indopol H-15 Tote (exempt per 2-1-123.3.2)   | Tote (4 totes)   | Each 375 gallons             |
| 737  | Antifoam C tote (exempt per 2-1-123.3.2)     | Tote (2 totes)   | Each 375 gallons             |
| 738  | Antifoam 100 (exempt per 2-1-123.2)          | Tote (2 totes)   | Each 375 gallons             |
| 800  | Emergency Diesel Engine                      | 2016 Cummins Model QSB5-G6; 272 in <sup>3</sup> displacement | 208 BHP;<br>1.41 MM BTU/hour |
| 1011 | Auxiliary Boiler                             | Foster Wheeler, AG 5275, Natural Gas Fired                   | 307 MM BTU/hour              |
| N/A  | Fugitive Components                          | Compressors, pumps, valves, flanges, pressure relief devices |                              |

## II. Equipment

**Table II B – Abatement Devices**

| A-# | Description   | Source(s)<br>Controlled                        | Applicable<br>Requirement                           | Monitored<br>Parameters | Limit or<br>Efficiency                                       |
|-----|---|--|---|-------------------------|--|
| 18  | Hydrochloric Acid Storage Tanks<br>Scrubber – packed bed scrubber | S-135, S-136,<br>S-137, S-138,<br>S-139, S-140 | BAAQMD<br>6-301<br>6-310<br>6-311                   |                         | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr |
| 21  | B-15 Manufacturing Services<br>Scrubber – packed bed scrubber     | S-336<br>(A-86<br>upstream)                    | BAAQMD<br>6-301<br>6-310<br>6-311<br>Condition 6859 |                         | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr |
| 24  | Maintenance Dynamic Cyclone                                       | S-164 (exempt<br>2-1-128.1)                    | BAAQMD<br>6-1-301<br>6-1-310<br>6-1-311             |                         | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr |
| 26  | Maintenance Two Stage Electrostatic<br>Precipitator               | S-167 (exempt<br>2-1-128.1)                    | BAAQMD<br>6-1-301<br>6-1-310<br>6-1-311             |                         | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr |
| 27  | Maintenance Two Stage Electrostatic<br>Precipitator               | S-168 (exempt<br>2-1-128.1)                    | BAAQMD<br>6-1-301<br>6-1-310<br>6-1-311             |                         | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr |
| 30  | Chloralkali – mist eliminator                                     | S-176  | BAAQMD<br>6-301<br>6-310<br>6-311                   |                         | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr |
| 31  | Chloralkali – mist eliminator                                     | S-177  | BAAQMD<br>6-301<br>6-310<br>6-311                   |                         | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr |
| 32  | Chloralkali – mist eliminator                                     | S-178  | BAAQMD<br>6-301<br>6-310<br>6-311                   |                         | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr |
| 33  | Chloralkali – mist eliminator                                     | S-179  | BAAQMD<br>6-301<br>6-310<br>6-311                   |                         | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr |
| 54  | B-15 Demister –mist eliminator,<br>spray/irrigated                | S-336<br>(A-21<br>upstream)                    | BAAQMD<br>6-301<br>6-310<br>6-311<br>Condition 6859 |                         | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr |

## II. Equipment

**Table II B – Abatement Devices**

| A-# | Description   | Source(s) Controlled  | Applicable Requirement   | Monitored Parameters | Limit or Efficiency   |
|-----|---|---|--|----------------------|---|
| 55  | Maintenance – packed bed scrubber                     | S-286   | BAAQMD<br>6-301<br>6-310<br>6-311  |                      | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr  |
| 74  | B-502 Caustic Scrubber – packed bed scrubber          | S-389<br>(A-412 upstream)   | BAAQMD<br>6-301<br>6-310<br>6-311<br>Condition 2039                        |                      | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr  |
| 75  | X-505 Particulate Scrubber – preformed spray scrubber | S-389<br>(A-74 upstream)  | BAAQMD<br>6-301<br>6-310<br>6-311<br>Condition 2039                        |                      | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr  |
| 76  | B-503A Carbon Adsorber – activated carbon adsorption  | S-389<br>(A-75 upstream)  | BAAQMD 8-1-110.3/8-2-301<br>Condition 2039                                 |                      |   |
| 77  | R-502 Nonselective Catalytic Reduction Unit           | S-389<br>(A-76, A-80 upstream)  |  |                      |   |
| 79  | Packed Scrubber B-902 – packed bed scrubber           | A-400 (S-400), S-402, S-504, S-505, S-530                                 | BAAQMD<br>6-301<br>6-310<br>6-311<br>Condition 2213                        |                      | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr  |
| 80  | B-503B Carbon Adsorber – activated carbon adsorption  | S-389<br>(A-75 upstream)  | BAAQMD 8-1-110.3/8-2-301<br>Condition 2039                                 |                      |   |
| 85  | B-102 Absorber – packed bed scrubber                  | S-44, S-434, S-454, S-516 (exempt), S-517 (exempt), S-576 (A-87 upstream) | BAAQMD<br>6-301<br>6-310<br>6-311<br>8-2-301<br>9-1-302<br>Condition 17985 |                      | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr<br>15 lbs/day & 300ppm carbon<br>300 ppm SO2<br>No detectable leaks in piping. |
| 86  | B-14 A & B Karbate Acid Absorber – vapor recovery     | S-336   | BAAQMD<br>6-301<br>6-310<br>6-311<br>Condition 6859                        |                      | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr  |

## II. Equipment

**Table II B – Abatement Devices**

| A-# | Description   | Source(s) Controlled                                      | Applicable Requirement   | Monitored Parameters | Limit or Efficiency  |
|-----|---|---|--|----------------------|--|
| 87  | HCl Absorber/Heat Exchanger, H-109 – vapor recovery         | S-44, S-434, S-454, S-516 (exempt), S-517 (exempt), S-576 | BAAQMD<br>6-301<br>6-310<br>6-311<br>8-2-301<br><br>9-1-302<br>Condition 17985 |                      | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr<br>15 lbs/day &<br>300ppm carbon<br>300 ppm SO2<br>No detectable leaks in piping. |
| 88  | B-106 Sym-Tet Scrubber – packed bed scrubber                | S-44, S-446, S-630  | BAAQMD<br>6-301<br>6-310<br>6-311<br>8-2-301                                   |                      | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr<br>15 lbs/day &<br>300 ppm carbon   |
| 89  | X-3 Emergency Venturi at N-Serve/Sym-Tet – venturi scrubber | S-44, S-446   | BAAQMD<br>6-301<br>6-310<br>6-311<br>8-2-301                                   |                      | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr<br>15 lbs/day &<br>300 ppm carbon   |
| 96  | B-405 Acid Absorber & Tails Tower – vapor recovery          | S-461, S-462  | BAAQMD<br>6-301<br>6-310<br>6-311<br>8-2-301                                   |                      | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr<br>15 lbs/day &<br>300 ppm carbon   |
| 97  | B-201 Organic Scrubber – packed bed scrubber                | S-476   | BAAQMD<br>6-301<br>6-310<br>6-311<br>8-2-301                                   |                      | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr<br>15 lbs/day &<br>300 ppm carbon   |
| 98  | B-202 Reactor Vent Scrubber – packed bed scrubber           | S-474   | BAAQMD<br>6-301<br>6-310<br>6-311<br>8-2-301                                   |                      | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr<br>15 lbs/day &<br>300 ppm carbon   |
| 99  | B-203 Scrubber – packed bed scrubber                        | S-474 (A-98 upstream), then routed to S-694               | BAAQMD<br>6-301<br>6-310<br>6-311<br>8-2-301                                   |                      | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr<br>15 lbs/day &<br>300 ppm carbon   |

## II. Equipment

**Table II B – Abatement Devices**

| A-# | Description   | Source(s) Controlled                                 | Applicable Requirement                                       | Monitored Parameters | Limit or Efficiency  |
|-----|---|--|--|----------------------|--|
| 100 | B-230 Scrubber – packed bed scrubber  | S-474, S-476 (A-97 upstream)                         | BAAQMD<br>6-301<br>6-310<br>6-311<br>8-2-301                 |                      | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr<br>15 lbs/day &<br>300 ppm carbon |
| 114 | Vacuum System with Condenser – Condenser  | S-465 (A-95 upstream)                                | BAAQMD<br>6-301<br>6-310<br>6-311<br>Condition 23250         |                      | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr                                   |
| 125 | Vapor Recovery System   | S-321, S-322, S-323, S-324, S-535 (A-336 downstream) | BAAQMD<br>6-301<br>6-310<br>6-311<br>8-2-301                 |                      | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr<br>15 lbs/day &<br>300 ppm carbon |
| 139 | Venturi Scrubber  | S-584  | BAAQMD<br>6-301<br>6-310<br>6-311<br>Condition 3500          |                      | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr                                   |
| 140 | Specialty Chemicals Pressure Storage Tanks Vapor Balance System – vapor balance | S-580, S-581, S-582, S-583                           | Condition 3195   |                      |  |
| 144 | Vapor Balance for DCP Unloading   | S-5  | BAAQMD<br>8-6-302.1<br>8-6-304<br>8-6-305<br>Condition 11276 |                      |  |
| 146 | B-3000 Scrubber – packed bed scrubber   | S-593, S-606   | BAAQMD<br>8-2-301  |                      | 15 lbs/day &<br>300 ppm carbon   |

## II. Equipment

**Table II B – Abatement Devices**

| A-# | Description  | Source(s) Controlled   | Applicable Requirement              | Monitored Parameters | Limit or Efficiency   |
|-----|--|--|-------------------------------------|----------------------|---|
| 147 | B-3210 Scrubber – packed bed scrubber                                  | S-593, S-594, S-596, S-606, S-607<br>(A-146, A-148 upstream) | BAAQMD<br>8-2-301<br>Condition 4780 |                      | 15 lbs/day & 300 ppm carbon<br>Combined POC emissions from A-147 and A-149 ≤ 8 lbs/day<br>Combined emissions of 4-amino, 3,5 – dichloro 2,6-difluoro pyridine ≤ 0.02 lbs/day<br>Combined ammonia emissions ≤ 0.02 lbs/day and outlet concentration ≤ 200 ppm. |
| 148 | B-3200, B-3201 Packed Columns – packed bed scrubber                    | S-596  | BAAQMD<br>8-2-301                   |                      | 15 lbs/day & 300 ppm carbon   |
| 149 | B-1303 Packed Column – packed bed scrubber                             | S-595  | BAAQMD<br>8-2-301<br>Condition 4780 |                      | 15 lbs/day & 300 ppm carbon<br>Combined POC emissions from A-147 and A-149 ≤ 8 lbs/day<br>Combined emissions of 4-amino, 3,5 – dichloro 2,6-difluoro pyridine ≤ 0.02 lbs/day<br>Combined ammonia emissions ≤ 0.02 lbs/day and outlet concentration ≤ 200 ppm. |
| 153 | Vapor Balance System for Dowanol PM Tank Truck Loading – vapor balance | S-6  | Condition 11276                     |                      |   |

## II. Equipment

**Table II B – Abatement Devices**

| A-# | Description  | Source(s) Controlled                       | Applicable Requirement   | Monitored Parameters         | Limit or Efficiency   |
|-----|--|--|--|------------------------------|---|
| 154 | Vent Recovery System H-320A&B, T-320 – water cooled Condenser                | S-48, S-49, S-428, S-448                   | BAAQMD<br>8-1-110.3<br><br>Condition 5148                      | Pressure drop<br>Temperature | VOC abated ≥ 85% by weight and ≥ 90% of organic carbon oxidized to CO2<br>VOC control ≥ 85% weight or emit ≤ 15 lbs/day carbon<br>Vapor stream temperature exiting Heat Exchanger ≤ 140 deg F |
| 155 | Vapor Return for Truck Loading Facility – vapor balance                      | S-602 (vents to S-606)                     | BAAQMD<br>8-6-110  |                              | TVP of materials ≤ 0.5 psia   |
| 157 | Vapor Return for Truck Loading Facility – vapor balance                      | S-604 (to S-607)                           | BAAQMD<br>8-6-110  |                              | TVP of materials ≤ 0.5 psia   |
| 165 | HCl Truck Loading Scrubber System – packed bed scrubber                      | S-620                                      | BAAQMD<br>6-301<br>6-310<br>6-311<br>Condition 4945            |                              | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr  |
| 167 | Vapor Balance System for Chlorinated Pyridines Truck Loading – vapor balance | S-622 (to S-623)                           | Condition 5384   |                              |   |
| 168 | B-609 Emergency Backup Caustic Scrubber – packed bed scrubber                | S-446                                      | BAAQMD<br>6-301<br>6-310<br>6-311<br>8-2-301<br>Condition 5385 |                              | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr<br>15 lbs/day & 300 ppm carbon   |
| 175 | Utilities T-24 Scrubber – packed bed scrubber                                | S-40                                       | BAAQMD<br>6-301<br>6-310<br>6-311                              |                              | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr  |
| 177 | Container Loading Vapor Balance Line – vapor balance                         | S-588, except for Lorsban 4E-HF (to S-638) | Condition 3712   |                              |   |

## II. Equipment

**Table II B – Abatement Devices**

| A-# | Description  | Source(s) Controlled                               | Applicable Requirement                                       | Monitored Parameters     | Limit or Efficiency  |
|-----|--|--|--|--------------------------|--|
| 179 | X-39/B-39 Scrubber System – packed bed and venturi scrubbers | S-644, S-645, S-646 (A-180 upstream)               | BAAQMD<br>6-301<br>6-310<br>6-311<br>Condition 7775          |                          | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr   |
| 180 | HCl Tank Truck Loading Vapor Return Line – vapor balance     | S-646  | BAAQMD<br>6-301<br>6-310<br>6-311<br>Condition 7775          |                          | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr   |
| 181 | B-278 Packed Bed Column – packed bed scrubber                | S-648, S-649, S-650, S-651, S-652                  | BAAQMD<br>6-301<br>6-310<br>6-311<br>Condition 8894          |                          | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr   |
| 182 | B-279 Packed Bed Column – packed bed scrubber                | S-648, S-649, S-650, S-651, S-652 (A-181 upstream) | BAAQMD<br>6-301<br>6-310<br>6-311<br>Condition 8894          |                          | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr   |
| 185 | Eagle Containment Screens – shrouds                          | S-654  | BAAQMD<br>6-301<br>6-310<br>6-311                            |                          | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr   |
| 191 | CCl4 Tank Truck Loading Vapor Return Line – vapor balance    | S-681  | BAAQMD<br>8-6-302.1<br>8-6-304<br>8-6-305<br>Condition 14354 |                          | 0.34 lbs/mgal<br>0.17 lbs/mgal   |
| 192 | Vent Recovery System – vapor recovery by refrigeration       | S-302, S-303, S-662, S-663, S-664                  | BAAQMD<br>8-2-301<br>Condition 14438                         |                          | 15 lbs/day &<br>300 ppm carbon   |
| 194 | X-600 Venturi Scrubber - 2300 ACFM                           | S-693  | BAAQMD<br>6-301<br>6-310<br>6-311<br>Condition 15932         | Caustic circulation rate | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr<br>Alkali solution circulation rate ≥ 17 gal/min when S-693 processing FTF. |



## II. Equipment

**Table II B – Abatement Devices**

| A-# | Description  | Source(s) Controlled   | Applicable Requirement  | Monitored Parameters     | Limit or Efficiency   |
|-----|--|--|---|--------------------------|---|
| 195 | B-615 Scrubber – Dow Design  | S-693, S-694 (A-194 upstream)                                | BAAQMD<br>6-301<br>6-310<br>6-311<br>Condition 15932            | Caustic circulation rate | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr<br>Alkali solution circulation rate ≥ 50 gal/min when S-694 processing organics. |
| 199 | Manufacturing Services Scrubber B-12 - Dow Design 26inch I.D. X 12feet Packed Bed Caustic Scrubber | S-4, S-434, S-454, S-576 (A-85, A-87 upstream)               | BAAQMD<br>6-301<br>6-310<br>6-311<br>8-2-301<br>Condition 17985 | Caustic concentration    | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr<br>15 lbs/day & 300 ppm carbon Caustic ≥ 1% by weight                            |
| 200 | Sootlifter - Mine - X Sootlifter   | S-706  | Condition 18317   |                          |   |
| 205 | R-503 Carbon Monoxide Scrubber   | S-389, (A-74, A-75, A-76, A-80, A-77, A-147, A-149 upstream) | Condition 2039  |                          | CO shall not exceed 250 ppm @3% O <sub>2</sub> .  |
| 206 | ME-3220 Backup Carbon Adsorber   | S-594, S-595, S-604, S-607, (A-147, A-149 upstream)          | Condition 4780  |                          | POC emissions from the MEI plant do not exceed 8 pounds per day, averaged over each calendar month.   |

## II. Equipment

**Table II B – Abatement Devices**

| A-#  | Description   | Source(s) Controlled   | Applicable Requirement   | Monitored Parameters                     | Limit or Efficiency  |
|------|---|--|--|--|--|
| -336 | Manufacturing Services Thermal Oxidizer – furnace/firebox | S-4, S-5, S-6, S-7, S-27, S-29, S-30, S-31, S-33, S-35, S-151, S-153, S-302, S-303, S-321, S-322, S-323, S-324, S-431 and S-432 if not operated as pressure vessels, S-434, S-482, S-492, S-521, S-535, S-631, S-641, S-644, S-645, S-648, S-649, S-650, S-651, S-652, S-662, S-663, S-664, S-701 (A-42, A-125, A-180, A-182 upstream) | BAAQMD<br>6-301<br>6-310<br>6-311<br>8-2-301<br><br>Condition 2501 | Temperature<br>Liquid feedrate           | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr<br>15 lbs/day &<br>300 ppm carbon |
| -389 | Sym-Tet Thermal Oxidizer R-501 – furnace/firebox          | S-5, S-6, S-7, S-27, S-29, S-30, S-31, S-33, S-35, S-44, S-151, S-153, S-302, S-303, S-446, S-482, S-519, S-520, S-521, S-641, S-662, S-663, S-664, (S-192 upstream)   | BAAQMD<br>6-301<br>6-310<br>6-311<br>8-2-301<br><br>Condition 2039 | Temperature<br>Oxygen<br>Liquid feedrate | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr<br>15 lbs/day &<br>300 ppm carbon |
| -400 | Thermal Oxidizer R-901                                    | S-372, S-504, S-505, S-625   | BAAQMD<br>8-2-301<br>Condition 2213                                | Temperature                              | 15 lbs/day &<br>300 ppm carbon<br>800 degrees C  |

## II. Equipment

**Table II B – Abatement Devices**

| A-#  | Description                                 | Source(s)<br>Controlled       | Applicable<br>Requirement   | Monitored<br>Parameters | Limit or<br>Efficiency   |
|------|---|-------------------------------|---|-------------------------|--|
| 401  | Acid Absorber, B-901                        | S-402, S-504,<br>S-505, S-625 | BAAQMD<br>6-301<br>6-310<br>6-311<br>Condition 2213<br>Condition 5147 |                         | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr                   |
| 410  | B-16 Caustic Scrubber – packed bed scrubber | S-336<br>(A-21<br>upstream)   | BAAQMD<br>6-301<br>6-310<br>6-311<br>Condition 6859                   |                         | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr                   |
| 412  | B-501 Acid Absorber – packed bed scrubber   | S-389                         | BAAQMD<br>6-301<br>6-310<br>6-311<br>Condition 2039                   |                         | Ringelmann 1<br>0.15 gr/dscf<br>4.10 P <sup>0.67</sup> lb/hr                   |
| 1011 | Selective Catalytic Reduction System        | S-1011                        | BAAQMD<br>Condition<br>#19356, part 3                                 |                         | 9 ppmvd NO <sub>x</sub> ,<br>@<br>3% O <sub>2</sub> , averaged<br>over 3 hours |

**Table II C – Significant Sources**

The following source is exempt from the requirement to obtain an authority to construct and permit to operate, but is defined as a significant source pursuant to BAAQMD Regulation 2-6-239.

| S-# | Description   | Make or Type | Model | Capacity |
|-----|---------------|--------------|-------|----------|
|     | Cooling Tower |              |       |          |

### III. GENERALLY APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP rules and regulations and other federal requirements cited below. These requirements apply in a general manner to the facility and/or to sources exempt from the requirement to obtain a District Permit to Operate. The District has determined that these requirements will not be violated under normal, routine operations, and that no additional periodic monitoring or reporting to demonstrate compliance is warranted. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more sources, the requirement and the source are also included in Section IV, Source-Specific Applicable Requirements, of this permit. This section also contains provisions that may apply to temporary sources.

Unpermitted sources are exempt from normal District permits pursuant to an exemption in BAAQMD Regulation 2, Rule 1. They may, however, be specifically described in a Title V permit if they are considered significant sources pursuant to the definition in BAAQMD Rule 2-6-239.

Portable equipment operating in accordance with the ARB portable equipment registration program and temporary equipment such as sandblasting equipment may be operated at the facility provided that the source is not significant pursuant to Rule 2-6-239. Otherwise the significant source would need to be included in the Title V permit.

The dates in parentheses in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board of Directors
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full language of SIP requirements is on EPA Region 9's website. The address is <https://www.epa.gov/sips-ca/epa-approved-bay-area-air-district-regulations-california-sip>

**NOTE:**

There are differences between the current BAAQMD rules and the versions of the rules in the SIP. All sources must comply with both versions of a rule until US EPA has reviewed and approved the District's revision of the regulation.

### III. Generally Applicable Requirements

**Table III**  
**Generally Applicable Requirements**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> |
|-------------------------------|--|------------------------------------|
| BAAQMD Regulation 1           | General Provisions and Definitions (5/4/11)  | N                                  |
| SIP Regulation 1              | General Provisions and Definitions (6/28/99)   | Y                                  |
| BAAQMD Regulation 2, Rule 1   | Permits – General Requirements (12/6/17)   | N                                  |
| BAAQMD 2-1-429                | Federal Emissions Statement (12/21/04)   | N                                  |
| SIP Regulation 2, Rule 1      | Permits – General Requirements (5/21/18)   | Y                                  |
| SIP Regulation 2-1-429        | Federal Emissions Statement (4/3/95)   |                                    |
| BAAQMD Regulation 4           | Air Pollution Episode Plan (3/20/91)   | N                                  |
| SIP Regulation 4              | Air Pollution Episode Plan (8/06/90)   | Y                                  |
| BAAQMD Regulation 5           | Open Burning (11/20/19)  | N                                  |
| SIP Regulation 5              | Open Burning (9/4/98)  | Y                                  |
| BAAQMD Regulation 6:          | Particulate Matter – Common Definitions and Test Methods (8/1/18)                                    | N                                  |
| BAAQMD Regulation 6, Rule 1   | Particulate Matter – General Requirements (8/1/18)   | N                                  |
| SIP Regulation 6              | Particulate Matter and Visible Emissions (9/4/98)  | Y                                  |
| BAAQMD Regulation 7           | Odorous Substances (3/17/82)   | N                                  |
| BAAQMD Regulation 8, Rule 1   | Organic Compounds – General Provisions (6/15/94)   | Y                                  |
| BAAQMD Regulation 8, Rule 2   | Organic Compounds – Miscellaneous Operations (7/20/05)   | N                                  |
| SIP Regulation 8, Rule 2      | Organic Compounds – Miscellaneous Operations (3/22/95)   | Y                                  |
| BAAQMD Regulation 8, Rule 3   | Organic Compounds – Architectural Coatings (7/01/09)   | N                                  |
| SIP Regulation 8, Rule 3      | Organic Compounds – Architectural Coatings (1/2/04)  | Y                                  |
| BAAQMD Regulation 8, Rule 4   | Organic Compounds – General Solvent and Surface Coating Operations (10/16/02)                        | Y                                  |
| BAAQMD Regulation 8, Rule 15  | Organic Compounds – Emulsified and Liquid Asphalts (6/1/94)  | Y                                  |
| BAAQMD Regulation 8, Rule 40  | Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05) | N                                  |
| SIP Regulation 8, Rule 40     | Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (4/19/01) | Y                                  |
| BAAQMD Regulation 8, Rule 47  | Organic Compounds – Air Stripping and Soil Vapor Extraction Operations (6/15/05)                     | N                                  |
| SIP Regulation 8, Rule 47     | Organic Compounds – Air Stripping and Soil Vapor Extraction Operations (4/26/95)                     | Y                                  |

### III. Generally Applicable Requirements

**Table III  
 Generally Applicable Requirements**

| <b>Applicable Requirement</b>                             | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> |
|---|---|------------------------------------|
| BAAQMD Regulation 8, Rule 49                              | Organic Compounds – Aerosol Paint Products (12/20/95)   | N                                  |
| SIP Regulation 8, Rule 49                                 | Organic Compounds – Aerosol Paint Products (3/22/95)  | Y                                  |
| BAAQMD Regulation 8, Rule 51                              | Organic Compounds – Adhesive and Sealant Products (7/17/02)   | N                                  |
| SIP Regulation 8, Rule 51                                 | Organic Compounds – Adhesive and Sealant Products (2/26/02)   | Y                                  |
| BAAQMD Regulation 9, Rule 1                               | Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)   | N                                  |
| SIP Regulation 9, Rule 1                                  | Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99)  | Y                                  |
| BAAQMD Regulation 9, Rule 6                               | Inorganic Gaseous Pollutants – Nitrogen Oxide Emissions from Natural Gas Fired Water Heaters (11/7/07)                | N                                  |
| BAAQMD Regulation 11, Rule 2                              | Hazardous Pollutants – Asbestos Demolition, Renovation and Manufacturing (10/7/98)                                    | N                                  |
| BAAQMD Regulation 11, Rule 18                             | Hazardous Pollutants – Reduction of Risk from Air Toxic Emissions at Existing Facilities (11/15/17)                   | N                                  |
| BAAQMD Regulation 12, Rule 4                              | Miscellaneous Standards of Performance – Sandblasting (7/11/90)   | N                                  |
| SIP Regulation 12, Rule 4                                 | Miscellaneous Standards of Performance – Sandblasting (9/2/81)  | Y                                  |
| BAAQMD Regulation 14, Rule 1                              | Mobile Source Emission Reduction Methods – Bay Area Commuter Benefits Program (3/19/14)                               | N                                  |
| California Health and Safety Code Section 41750 et seq.   | Portable Equipment  | N                                  |
| California Health and Safety Code Section 44300 et seq.   | Air Toxics “Hot Spots” Information and Assessment Act of 1987   | N                                  |
| California Health and Safety Code Title 17, Section 93115 | Airborne Toxic Control Measure for Stationary Compression Ignition Engines  | N                                  |
| California Health and Safety Code Title 17, Section 93116 | Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater | N                                  |
| 40 CFR Part 61, Subpart M                                 | National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (7/20/04)          | Y                                  |
| EPA Regulation 40 CFR 82                                  | Protection of Stratospheric Ozone (12/1/16)   |                                    |

### III. Generally Applicable Requirements

**Table III**  
**Generally Applicable Requirements**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>                         | <b>Federally Enforceable (Y/N)</b> |
|-------------------------------|---|------------------------------------|
| Subpart F, 40 CFR 82.156      | Recycling and Emissions Reductions – Required Practices                       | Y                                  |
| Subpart F, 40 CFR 82.161      | Recycling and Emissions Reductions – Technician Certification                 | Y                                  |
| Subpart F, 40 CFR 82.166      | Recycling and Emissions Reductions – Reporting and Recordkeeping Requirements | Y                                  |

#### IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP rules and regulations and other federal requirements cited below. The requirements cited in the following tables apply in a specific manner to the indicated source(s).

The dates in parenthesis in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board of Directors
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9’s website. The address is:

<https://www.epa.gov/sips-ca/epa-approved-bay-area-air-district-regulations-california-sip>

All other text may be found in the regulations themselves.

**Table IV – A**  
**Source-Specific Applicable Requirements**  
**Facility**

| Applicable Requirement            | Regulation Title or Description of Requirement                   | Federally Enforceable (Y/N) | Future Effective Date |
|-----------------------------------|--|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 1</b>        | <b>General Provisions and Definitions (5/4/11)</b>               |                             |                       |
| 1-107                             | Combination of Emissions   | N                           |                       |
| 1-301                             | Public Nuisance  | N                           |                       |
| 1-523                             | Parametric Monitoring and Recordkeeping Procedures               | N                           |                       |
| SIP Regulation 1                  | <b>General Provisions and Definitions (6/28/99)</b>              |                             |                       |
| 1-107                             | Combination of Emissions   | Y                           |                       |
| 1-523                             | Parametric Monitoring and Recordkeeping Procedures               | Y                           |                       |
| <b>BAAQMD Regulation 8 Rule 5</b> | <b>Organic Compounds – Storage of Organic Liquids (10/18/06)</b> |                             |                       |
| 8-5-328                           | Tank Degassing Requirements                                      | N                           |                       |
| 8-5-331                           | Tank Cleaning Requirements                                       | N                           |                       |
| 8-5-332                           | Sludge Handling Requirements                                     | N                           |                       |



#### IV. Source-Specific Applicable Requirements

**Table IV – A  
 Source-Specific Applicable Requirements  
 Facility**

| <b>Applicable Requirement</b>       | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------------|--|------------------------------------|------------------------------|
| 8-5-501                             | Records  | N                                  |                              |
| 8-5-502                             | Source Test Requirements   | N                                  |                              |
| <b>SIP Regulation 8, Rule 5</b>     | <b>Organic Compounds – Storage of Organic Liquids (11/27/02)</b>   |                                    |                              |
| 8-5-328                             | Tank Degassing Requirements  | Y                                  |                              |
| 8-5-501                             | Records  | Y                                  |                              |
| 8-5-502                             | Tank Degassing Annual Source Test Requirement  | Y                                  |                              |
| <b>BAAQMD Regulation 8, Rule 9</b>  | <b>Organic Compounds – Vacuum Producing Systems (7/20/83)</b>  |                                    |                              |
| 8-9-301                             | Vacuum Producing Systems   | Y                                  |                              |
| <b>BAAQMD Regulation 8, Rule 10</b> | <b>Organic Compounds – Process Vessel Depressurization (1/21/04)</b>   |                                    |                              |
| 8-10-301                            | Process Vessel Depressurizing  | N                                  |                              |
| 8-10-302                            | Opening of Process Vessels   | N                                  |                              |
| <b>SIP Regulation 8, Rule 10</b>    | <b>Organic Compounds – Process Vessel Depressurization (10/3/84)</b>   |                                    |                              |
| 8-10-301                            | Process Vessel Depressurizing  | Y                                  |                              |
| <b>40 CFR, Part 60, Subpart A</b>   | <b>Standards of Performance for New Stationary Sources (5/16/07): General Provisions</b>   | Y                                  |                              |
| 60.4(b)                             | Reports to EPA and District  | Y                                  |                              |
| 60.7                                | Notification and record keeping  | Y                                  |                              |
| 60.8                                | Performance Tests  | Y                                  |                              |
| 60.9                                | Availability of Information  | Y                                  |                              |
| 60.11                               | Compliance with standards and maintenance requirement  | Y                                  |                              |
| 60.12                               | Circumvention  | Y                                  |                              |
| 60.13                               | Monitoring Requirements  | Y                                  |                              |
| 60.19                               | General notification and reporting requirements  | Y                                  |                              |
| <b>40 CFR, Part 63, Subpart A</b>   | <b>National Emission Standards for Hazardous Air Pollutants for Source Categories, General Provisions of MACT Standards (03/16/94)</b> |                                    |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – A**  
**Source-Specific Applicable Requirements**  
**Facility**

| Applicable Requirement | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------|--|-----------------------------|-----------------------|
| 63.1                   | Applicability  | Y                           |                       |
| 63.2                   | Definitions  | Y                           |                       |
| 63.3                   | Units and Abbreviations  | Y                           |                       |
| 63.4                   | Prohibited activities and circumvention  | Y                           |                       |
| 63.5                   | Construction and Reconstruction  | Y                           |                       |
| 63.6                   | Compliance with standards and maintenance requirements   | Y                           |                       |
| 63.7                   | Performance testing requirements   | Y                           |                       |
| 63.8                   | Monitoring requirements  | Y                           |                       |
| 63.9                   | Notification requirements  | Y                           |                       |
| 63.10                  | Record keeping and reporting requirements  | Y                           |                       |
| 63.11                  | Control Device Requirements  | Y                           |                       |
| 63.12                  | State Authority and Delegations  | Y                           |                       |
| 63.13                  | Addresses of EPA Regional Offices  | Y                           |                       |
| 63.14                  | Incorporation by Reference   | Y                           |                       |
| 63.15                  | Availability of Information and confidentiality  | Y                           |                       |
| <b>40 CFR, Part 63</b> | <b>National Emission Standards for Hazardous Air Pollutants for Source Categories: General Provisions; and Requirements for Control Technology Determinations for Major Sources in Accordance with Clean Air Act Sections, Section 112(g) and 112(j); Final Rule</b> |                             |                       |
| 63.52                  | Approved process for new and existing affected sources.  | Y                           |                       |
| 63.52(a)               | Sources subject to section 112(j) as of the section 112(j) deadline  | Y                           |                       |
| 63.52(a)(1)            | Submit an application for Title V permit revision  | Y                           |                       |
| 63.52(e)               | Permit application review  | Y                           |                       |
| 63.52(e)(1)            | Submit a Part 2 MACT application meeting the requirements of 63.53(b) for Process Heaters, which burn hazardous waste  | Y                           |                       |
| 63.52(h)               | Enhanced monitoring  | Y                           |                       |
| 63.52(h)(i)            | MACT emission limitations  | Y                           |                       |
| 63.52(h)(i)(1)         | Compliance with all requirements applicable to affected sources, including compliance date for affected sources  | Y                           |                       |
| 63.53                  | Application content for case-by-case MACT determination  | Y                           |                       |
| 63.53(a)               | Part 1 MACT application  | Y                           |                       |
| 63.53(b)               | Part 2 MACT application  | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – A  
 Source-Specific Applicable Requirements  
 Facility**

| Applicable Requirement          | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date  |
|---------------------------------|---|-----------------------------|--|
| 40 CFR, Part 63, Subpart NNNNN  | National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4/17/03)                                    | Y                           |  |
| 40 CFR, Part 63, Subpart MMM    | National Emission Standards for Hazardous Air Pollutants: Pesticide Active Ingredient (6/23/99)                                     | Y                           |  |
| 40 CFR, Part 63, Subpart EEEE   | National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline) (2/3/04)                      | Y                           |  |
| 40 CFR, Part 63, Subpart EEE    | National Emission Standards for Hazardous Air Pollutants: Hazardous Waste Combustor (9/30/99)                                       | Y                           |  |
| 40 CFR, Part 63, Subpart FFFF   | National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing (11/10/03)                   | Y                           | compliance by 4 years, 6 months from Title V renewal issuance date |
| 40 CFR, Part 63, Subpart ZZZZ   | National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE) (1/30/13) | Y                           | See 63.6595(b)   |
| 40 CFR, Part 63, Subpart GGGGG  | National Emission Standards for Hazardous Air Pollutants: Site Remediation (10/8/03)  | Y                           | 63.7883(d)   |
| 40 CFR, Part 63, Subpart VVVVVV | National Emissions Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources (12/21/12),                       | Y                           | Until renewal permit issuance date                                 |

#### IV. Source-Specific Applicable Requirements

**Table IV – A**  
**Source-Specific Applicable Requirements**  
**Facility**

| Applicable Requirement         | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date |
|--------------------------------|---|-----------------------------|-----------------------|
| 40 CFR, Part 63, Subpart DDDDD | National Emissions Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters (1/31/2013), | Y                           | See 63.7495(c)        |
| 40 CFR, Part 64                | Compliance Assurance Monitoring (10/22/97)  | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – B**  
**Source-Specific Applicable Requirements**  
**S-4, HCl Rail Tank Car Loading, Central Rail Loading Rack TC-1**  
**Abated by A-199, Manufacturing Services Scrubber B-12 or**  
**S-336, Manufacturing Services Thermal Oxidizer**

| <b>Applicable Requirement</b>         | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|---------------------------------------|--|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 6, Rule 1</b>    | <b>Particulate Matter and Visible Emissions (12/5/07)</b>  |                                    |                              |
| 6-1-301                               | Ringelmann Number 1 Limitation   | N                                  |                              |
| 6-1-305                               | Visible Particles  | N                                  |                              |
| 6-1-310                               | Particulate Weight Limitation  | N                                  |                              |
| 6-1-311                               | General Operations   | N                                  |                              |
| 6-1-401                               | Appearance of Emissions  | N                                  |                              |
| <b>SIP Regulation 6</b>               | <b>Particulate Matter and Visible Emissions (9/4/98)</b>   |                                    |                              |
| 6-301                                 | Ringelmann Number 1 Limitation   | Y                                  |                              |
| 6-305                                 | Visible Particles  | Y                                  |                              |
| 6-310                                 | Particulate Weight Limitation  | Y                                  |                              |
| 6-311                                 | General Operations   | Y                                  |                              |
| 6-401                                 | Appearance of Emissions  | Y                                  |                              |
| <b>40 CFR, Part 63, Subpart NNNNN</b> | <b>National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4/17/03), See MACT Summary Tables at End of Section IV.</b> | Y                                  |                              |
| <b>BAAQMD Condition #17985</b>        |  |                                    |                              |
| Part 1                                | Abatement Requirement during hydrochloric acid loading (6-310, 7-300, 2-1-403)   | Y                                  |                              |
| Part 6                                | pH at A-199 $\geq$ 8.5 and 1% by weight sodium hydroxide   | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – C**  
**Source-Specific Applicable Requirements**  
**S-5, 720 Terminalized Products**  
**1,3-Dichloropropene Loading Abated by A-144, Vapor Balance System**  
**Non-Exempt Material Loading Abated by S-336 or S-389, Thermal Oxidizers**  
**All other Exempt Material Loading - Unabated**

| <b>Applicable Requirement</b>        | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|--------------------------------------|--|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 8, Rule 6</b>   | <b>Organic Compounds – Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)</b>  |                                    |                              |
| 8-6-110                              | Exemption  | Y                                  |                              |
| 8-6-114                              | Exemption, Maintenance and Repair  | Y                                  |                              |
| 8-6-302                              | Bulk Plant Limitations   | Y                                  |                              |
| 8-6-302.1                            | Vapor Recovery Requirement   | Y                                  |                              |
| 8-6-302.2                            | Submerged Fill Requirement   | Y                                  |                              |
| 8-6-304                              | Deliveries to Storage Tanks  | Y                                  |                              |
| 8-6-305                              | Delivery Vehicle Requirements  | Y                                  |                              |
| 8-6-306                              | Equipment Maintenance  | Y                                  |                              |
| 8-6-307                              | Operating Practices  | Y                                  |                              |
| 8-6-501                              | Records  | Y                                  |                              |
| 8-6-503                              | Burden of Proof  | Y                                  |                              |
| <b>40 CFR, Part 63, Subpart EEEE</b> | <b>National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline) (2/3/04),<br/>See MACT Summary Tables at End of Section IV.</b> | Y                                  |                              |
| <b>BAAQMD Condition #11276</b>       |  |                                    |                              |
| Part 1                               | Abatement requirement (8-6-302, 8-6-304)   | Y                                  |                              |
| Part 2                               | Vapor-tight connections (8-6-306)  | Y                                  |                              |
| Part 3                               | Vapor balance for 1,3-dichloropropene loading (Cumulative Increase)  | Y                                  |                              |
| Part 5                               | Leak Inspection (8-6-306)  | Y                                  |                              |
| Part 6                               | Records (2-1-403, 2-6-501, 8-6-306, 8-6-501.2)   | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – D**  
**Source-Specific Applicable Requirements**  
**S-6, 725 Terminalized Products**  
**All Non-Exempt Material Loading Abated by S-336 or S-389, Thermal Oxidizers**  
**Dowanol PM Loading Abated by A-153, Vapor Balance System**  
**All other Exempt Materials: Loading Unabated**

| Applicable Requirement             | Regulation Title or Description of Requirement                                    | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|---|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 8, Rule 6</b> | <b>Organic Compounds – Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)</b> |                             |                       |
| 8-6-110                            | Exemption   | Y                           |                       |
| 8-6-114                            | Exemption, Maintenance and Repair   | Y                           |                       |
| 8-6-302                            | Bulk Plant Limitations  | Y                           |                       |
| 8-6-302.1                          | Vapor Recovery Requirement  | Y                           |                       |
| 8-6-302.2                          | Submerged Fill Requirement  | Y                           |                       |
| 8-6-304                            | Deliveries to Storage Tanks   | Y                           |                       |
| 8-6-305                            | Delivery Vehicle Requirements   | Y                           |                       |
| 8-6-306                            | Equipment Maintenance   | Y                           |                       |
| 8-6-307                            | Operating Practices   | Y                           |                       |
| 8-6-501                            | Records   | Y                           |                       |
| 8-6-503                            | Burden of Proof   | Y                           |                       |
| <b>BAAQMD Condition #11276</b>     |   |                             |                       |
| Part 1                             | Abatement requirement (8-6-302, 8-6-304)  | Y                           |                       |
| Part 2                             | Vapor-tight connections (8-6-306)   | Y                           |                       |
| Part 4                             | Vapor balance for Dowanol loading (voluntary limit)                               | N                           |                       |
| Part 5                             | Leak Inspection (8-6-306)   | Y                           |                       |
| Part 6                             | Records (2-1-403, 2-6-501, 8-6-306, 8-6-501.2)                                    | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – E**  
**Source-Specific Applicable Requirements**  
**S-7, 725 Block Truck Loading**  
**All Non-Exempt Material Loading Abated by S-336 or S-389, Thermal Oxidizers**  
**All Exempt Materials: Loading Unabated**

| Applicable Requirement             | Regulation Title or Description of Requirement                                    | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|---|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 8, Rule 6</b> | <b>Organic Compounds – Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)</b> |                             |                       |
| 8-6-110                            | Exemption   | Y                           |                       |
| 8-6-114                            | Exemption, Maintenance and Repair   | Y                           |                       |
| 8-6-302                            | Bulk Plant Limitations  | Y                           |                       |
| 8-6-302.1                          | Vapor Recovery Requirement  | Y                           |                       |
| 8-6-302.2                          | Submerged Fill Requirement  | Y                           |                       |
| 8-6-304                            | Deliveries to Storage Tanks   | Y                           |                       |
| 8-6-305                            | Delivery Vehicle Requirements   | Y                           |                       |
| 8-6-306                            | Equipment Maintenance   | Y                           |                       |
| 8-6-307                            | Operating Practices   | Y                           |                       |
| 8-6-501                            | Records   | Y                           |                       |
| 8-6-503                            | Burden of Proof   | Y                           |                       |
| <b>BAAQMD Condition #11276</b>     |   |                             |                       |
| Part 1                             | Abatement requirement (8-6-302, 8-6-304)  | Y                           |                       |
| Part 2                             | Vapor-tight connections (8-6-306)   | Y                           |                       |
| Part 5                             | Leak Inspection (8-6-306)   | Y                           |                       |
| Part 6                             | Records (2-1-403, 2-6-501, 8-6-306, 8-6-501.2)                                    | Y                           |                       |



#### IV. Source-Specific Applicable Requirements

**Table IV – F**  
**Source-Specific Applicable Requirements**  
**S-27, Terminalized Product Storage T-605A**  
**S-30, Material Flow Tank T-608B**  
**Each Abated by S-336 or S-389, Thermal Oxidizers**

| Applicable Requirement             | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|---|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 8 Rule 5</b>  | <b>Organic Compounds – Storage of Organic Liquids (10/18/06)</b>  |                             |                       |
| 8-5-111                            | Limited Exemption, Tank Removal From and Return to Service  | N                           |                       |
| 8-5-112                            | Limited Exemption, Tanks in Operation   | N                           |                       |
| 8-5-301                            | Storage Tank Control Requirements   | N                           |                       |
| 8-5-306                            | Requirements for Approved Emission Control Systems  | N                           |                       |
| 8-5-307                            | Requirements for Fixed Roof Tanks   | N                           |                       |
| 8-5-328                            | Tank Degassing Requirements   | N                           |                       |
| 8-5-331                            | Tank Cleaning Requirements  | N                           |                       |
| 8-5-501                            | Records   | N                           |                       |
| 8-5-501.1                          | Type and Amount of Liquids Stored, Blanket Gases, TVP   | N                           |                       |
| <b>SIP Regulation 8 Rule 5</b>     | <b>Organic Compounds – Storage of Organic Liquids (06/05/03)</b>  |                             |                       |
| 8-5-111                            | Limited Exemption, Tank Removal From and Return to Service  | Y                           |                       |
| 8-5-112                            | Limited Exemption, Tanks in Operation   | Y                           |                       |
| 8-5-301                            | Storage Tank Control Requirements   | Y                           |                       |
| 8-5-306                            | Requirements for Approved Emission Control Systems  | Y                           |                       |
| 8-5-328                            | Tank Degassing Requirements   | Y                           |                       |
| 8-5-501                            | Records   | Y                           |                       |
| 8-5-501.1                          | Type and Amount of Liquids Stored, Blanket Gases, TVP   | Y                           |                       |
| 8-5-503                            | Portable Hydrocarbon Detector   | Y                           |                       |
| <b>40 CFR, Part 60, Subpart Kb</b> | <b>Standards of Performance for Volatile Organic Liquid Storage Vessels (4/8/87):</b> This regulation applies only when storing a volatile organic liquid as defined in 40 CFR 51.100. See NSPS Summary at the end of Section IV. |                             |                       |
| <b>BAAQMD Condition #11276</b>     |   |                             |                       |
| Part 1                             | Abatement Requirement (8-5-306)   | Y                           |                       |
| Part 2                             | Vapor-tight connections (8-5-306)   | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – G**  
**Source-Specific Applicable Requirements**  
**[Tanks storing liquids with vapor pressure ≤ 0.5 psia]**  
**S-28, T-605B Material Flow, S-36, N-Serve Plant Storage**  
**S-45, T-1 N-Serve, S-56, T-31 N-Serve**  
**S-57, T-32 N-Serve, S-61, T-780 N-Serve**  
**S-62, T-781 N-Serve, S-63, T-782 N-Serve**  
**S-346, T-241, S-372, T-20 Block 560 Storage Tank, Abated by A-400 (S-400),**  
**Thermal Oxidizer R-901**  
**S-382, N-Serve Unit Storage T-783, S-383, Petroleum Hydrocarbon Distillate Tank**  
**S-407, T-728 N-Serve Formulation Tank, S-447, T-774**  
**S-466, Plant 663 T-408A Intermediate Product Storage**  
**S-467, Plant 663 T-408B Intermediate Product Storage**  
**S-498, Sym Tet T-102 Storage Tank**

| <b>Applicable Requirement</b>        | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|--------------------------------------|--|------------------------------------|------------------------------|
| BAAQMD 8-5-117                       | Limited Exemption, Low Vapor Pressure ≤ 0.5 psia   | N                                  |                              |
| SIP 8-5-117                          | Limited Exemption, Low Vapor Pressure ≤ 0.5 psia   | Y                                  |                              |
| <b>40 CFR, Part 63, Subpart EEEE</b> | <b>National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline) (2/3/2004)</b><br><b>This Only Applies To S-346 (T-241) and S-372 (T-20), See MACT Summary Tables at End of Section IV.</b> | Y                                  |                              |
| <b>BAAQMD Condition #21059</b>       |  |                                    |                              |
| Part 1                               | Restriction on vapor pressure to ≤ 0.5 psia (Regulation 2-1-301)   | Y                                  |                              |
| Part 2                               | Recordkeeping Requirement (Regulation 2-1-403, 2-6-501)  | Y                                  |                              |

## IV. Source-Specific Applicable Requirements

**Table IV – H**  
**Source-Specific Applicable Requirements**  
**[1.5 to 11 psia, > 75 M<sup>3</sup>, abated]**  
**S-29, T-608 Terminalized Products, S-31, T-609 Terminalized Products,**  
**S-33, T-727 Terminalized Products, S-35, T-773 Terminalized Products,**  
**S-151, T-614 Terminalized Products, S-153, T-604 Terminalized Products**  
**Each Abated by S-336 or S-389, Thermal Oxidizers**

| Applicable Requirement            | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date |
|-----------------------------------|--|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 8 Rule 5</b> | <b>Organic Compounds – Storage of Organic Liquids (10/18/06)</b>   |                             |                       |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service   | N                           |                       |
| 8-5-112                           | Limited Exemption, Tanks in Operation  | N                           |                       |
| 8-5-301                           | Storage Tank Control Requirements  | N                           |                       |
| 8-5-306                           | Requirements for Approved Emission Control Systems   | N                           |                       |
| 8-5-307                           | Requirements for Fixed Roof Tanks  | N                           |                       |
| 8-5-328                           | Tank Degassing Requirements  | N                           |                       |
| 8-5-331                           | Tank Cleaning Requirements   | N                           |                       |
| 8-5-501                           | Records  | N                           |                       |
| 8-5-501.1                         | Type and Amount of Liquids Stored, Blanket Gases, TVP  | N                           |                       |
| <b>SIP Regulation 8 Rule 5</b>    | <b>Organic Compounds – Storage of Organic Liquids (06/05/03)</b>   |                             |                       |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service   | Y                           |                       |
| 8-5-112                           | Limited Exemption, Tanks in Operation  | Y                           |                       |
| 8-5-301                           | Storage Tank Control Requirements  | Y                           |                       |
| 8-5-306                           | Requirements for Approved Emission Control Systems   | Y                           |                       |
| 8-5-328                           | Tank Degassing Requirements  | Y                           |                       |
| 8-5-501                           | Records  | Y                           |                       |
| 8-5-501.1                         | Type and Amount of Liquids Stored, Blanket Gases, TVP  | Y                           |                       |
| 8-5-503                           | Portable Hydrocarbon Detector  | Y                           |                       |
| <b>40 CFR Part 64</b>             | <b>Compliance Assurance Monitoring (S-151, T-614 Terminalized Products (See CAM Table at the end of this Section))</b> | Y                           |                       |
| <b>BAAQMD Condition # 11276</b>   |  |                             |                       |
| Part 1                            | Abatement Requirement (8-5-306)  | Y                           |                       |
| Part 2                            | Vapor-tight connections (8-5-306)  | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – I**  
**Source-Specific Applicable Requirements**  
**S-40, Water Treatment HCl Storage T-24**  
**Abated by A-175, Utilities T-24 Scrubber**

| Applicable Requirement             | Regulation Title or Description of Requirement            | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|---|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 6, Rule 1</b> | <b>Particulate Matter and Visible Emissions (12/5/07)</b> |                             |                       |
| 6-1-301                            | Ringelmann Number 1 Limitation                            | N                           |                       |
| 6-1-305                            | Visible Particles   | N                           |                       |
| 6-1-310                            | Particulate Weight Limitation                             | N                           |                       |
| 6-1-311                            | General Operations  | N                           |                       |
| 6-1-401                            | Appearance of Emissions                                   | N                           |                       |
| <b>SIP Regulation 6</b>            | <b>Particulate Matter and Visible Emissions (9/4/98)</b>  |                             |                       |
| 6-301                              | Ringelmann Number 1 Limitation                            | Y                           |                       |
| 6-305                              | Visible Particles   | Y                           |                       |
| 6-310                              | Particulate Weight Limitation                             | Y                           |                       |
| 6-311                              | General Operations  | Y                           |                       |
| 6-401                              | Appearance of Emissions                                   | Y                           |                       |

**Table IV – J**  
**Source-Specific Applicable Requirements**  
**S-44, N-Serve Plant**  
**Abated by S-389, Sym-Tet Thermal Oxidizer R-501 or**  
**Abated by A-88, B-106 Sym-Tet Scrubber or**  
**Abated by A-89, X-3 Emergency Venturi at N-Serve/Sym-Tet**

| Applicable Requirement             | Regulation Title or Description of Requirement            | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|---|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 6, Rule 1</b> | <b>Particulate Matter and Visible Emissions (12/5/07)</b> |                             |                       |
| 6-1-301                            | Ringelmann Number 1 Limitation                            | N                           |                       |
| 6-1-305                            | Visible Particles   | N                           |                       |
| 6-1-310                            | Particulate Weight Limitation                             | N                           |                       |
| 6-1-311                            | General Operations  | N                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – J**  
**Source-Specific Applicable Requirements**  
**S-44, N-Serve Plant**  
**Abated by S-389, Sym-Tet Thermal Oxidizer R-501 or**  
**Abated by A-88, B-106 Sym-Tet Scrubber or**  
**Abated by A-89, X-3 Emergency Venturi at N-Serve/Sym-Tet**

| <b>Applicable Requirement</b>        | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|--------------------------------------|---|------------------------------------|------------------------------|
| 6-1-401                              | Appearance of Emissions   | N                                  |                              |
| <b>SIP Regulation 6</b>              | <b>Particulate Matter and Visible Emissions (9/4/98)</b>  |                                    |                              |
| 6-301                                | Ringelmann Number 1 Limitation  | Y                                  |                              |
| 6-305                                | Visible Particles   | Y                                  |                              |
| 6-310                                | Particulate Weight Limitation   | Y                                  |                              |
| 6-311                                | General Operations  | Y                                  |                              |
| 6-401                                | Appearance of Emissions   | Y                                  |                              |
| <b>BAAQMD Regulation 8, Rule 2</b>   | <b>Organic Compounds – Miscellaneous Operations (7/20/05)</b>   |                                    |                              |
| 8-2-301                              | Miscellaneous Operations  | Y                                  |                              |
| <b>BAAQMD Regulation 8, Rule 10</b>  | <b>Organic Compounds – Process Vessel Depressurization (1/21/04)</b>  |                                    |                              |
| 8-10-301                             | Process Vessel Depressurizing   | N                                  |                              |
| 8-10-302                             | Opening of Process Vessels  | N                                  |                              |
| <b>SIP Regulation 8, Rule 10</b>     | <b>Organic Compounds – Process Vessel Depressurization (10/3/84)</b>  |                                    |                              |
| 8-10-301                             | Process Vessel Depressurizing   | Y                                  |                              |
| <b>40 CFR, Part 63, Subpart EEEE</b> | <b>National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline) (2/3/2004)</b><br><b>This Only Applies To T-70 and T-74, See MACT Summary Tables at End of Section IV.</b> | <b>Y</b>                           |                              |

**IV. Source-Specific Applicable Requirements**

**Table IV – J  
 Source-Specific Applicable Requirements  
 S-44, N-Serve Plant  
 Abated by S-389, Sym-Tet Thermal Oxidizer R-501 or  
 Abated by A-88, B-106 Sym-Tet Scrubber or  
 Abated by A-89, X-3 Emergency Venturi at N-Serve/Sym-Tet**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b>  |
|-------------------------------|---|------------------------------------|---|
| 40 CFR, Part 63, Subpart FFFF | National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing (11/10/2003), See MACT Summary Table at End of Section IV. | Y                                  | compliance by 4 years, 6 months from Title V Renewal permit issuance date |

## IV. Source-Specific Applicable Requirements

**Table IV – K**  
**Source-Specific Applicable Requirements**  
**[Pressure Tank < 75m<sup>3</sup>]**  
**S-48, T19A N-Serve**  
**S-49, T19B N-Serve**  
**Abated by A-154, Vent Recovery System H-320A & B T-320**

| Applicable Requirement            | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date |
|-----------------------------------|--|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 8 Rule 5</b> | <b>Organic Compounds – Storage of Organic Liquids (10/18/06)</b>                           |                             |                       |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service                                 | N                           |                       |
| 8-5-112                           | Limited Exemption, Tanks in Operation  | N                           |                       |
| 8-5-301                           | Storage Tank Control Requirements  | N                           |                       |
| 8-5-307                           | Requirements for Pressure Tanks and Blanketed Tanks  | N                           |                       |
| 8-5-328                           | Tank Degassing Requirements  | N                           |                       |
| 8-5-331                           | Tank Cleaning Requirements   | N                           |                       |
| 8-5-501                           | Records  | N                           |                       |
| 8-5-501.1                         | Type and Amount of Liquids Stored, Blanket Gases, TVP                                      | N                           |                       |
| <b>SIP Regulation 8 Rule 5</b>    | <b>Organic Compounds – Storage of Organic Liquids (06/05/03)</b>                           |                             |                       |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service                                 | Y                           |                       |
| 8-5-112                           | Limited Exemption, Tanks in Operation  | Y                           |                       |
| 8-5-301                           | Storage Tank Control Requirements  | Y                           |                       |
| 8-5-307                           | Requirements for Pressure Tanks and Blanketed Tanks  | Y                           |                       |
| 8-5-328                           | Tank Degassing Requirements  | Y                           |                       |
| 8-5-501                           | Records  | Y                           |                       |
| 8-5-501.1                         | Type and Amount of Liquids Stored, Blanket Gases, TVP                                      | Y                           |                       |
| 8-5-503                           | Portable Hydrocarbon Detector  | Y                           |                       |
| <b>BAAQMD Condition #5148</b>     |  |                             |                       |
| Part 1                            | Minimum of 85% by weight control of organics or shall emit less than 15 lbs/day as carbon. | Y                           |                       |
| Part 4                            | Abatement Requirement (2-1-403)  | Y                           |                       |
| Part 5                            | Recordkeeping (2-1-403, 2-6-501)   | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – L**  
**Source-Specific Applicable Requirements**  
**[Pressure Tank < 75m<sup>3</sup> with submerged fill]**  
**S-55, T-30 N-Serve**  
**S-408, T-723 Terminalized Products**

| <b>Applicable Requirement</b>     | <b>Regulation Title or Description of Requirement</b>            | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-----------------------------------|--|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 8 Rule 5</b> | <b>Organic Compounds – Storage of Organic Liquids (10/18/06)</b> |                                    |                              |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service       | N                                  |                              |
| 8-5-112                           | Limited Exemption, Tanks in Operation                            | N                                  |                              |
| 8-5-301                           | Storage Tank Control Requirements                                | N                                  |                              |
| 8-5-307                           | Requirements for Pressure Tanks and Blanketed Tanks              | N                                  |                              |
| 8-5-328                           | Tank Degassing Requirements                                      | N                                  |                              |
| 8-5-331                           | Tank Cleaning Requirements                                       | N                                  |                              |
| 8-5-501                           | Records  | N                                  |                              |
| 8-5-501.1                         | Type and Amount of Liquids Stored, Blanket Gases, TVP            | N                                  |                              |
| <b>SIP Regulation 8 Rule 5</b>    | <b>Organic Compounds – Storage of Organic Liquids (06/05/03)</b> |                                    |                              |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service       | Y                                  |                              |
| 8-5-112                           | Limited Exemption, Tanks in Operation                            | Y                                  |                              |
| 8-5-301                           | Storage Tank Control Requirements                                | Y                                  |                              |
| 8-5-307                           | Requirements for Pressure Tanks and Blanketed Tanks              | Y                                  |                              |
| 8-5-328                           | Tank Degassing Requirements                                      | Y                                  |                              |
| 8-5-501                           | Records  | Y                                  |                              |
| 8-5-501.1                         | Type and Amount of Liquids Stored, Blanket Gases, TVP            | Y                                  |                              |
| 8-5-503                           | Portable Hydrocarbon Detector                                    | Y                                  |                              |



#### IV. Source-Specific Applicable Requirements

**Table IV – M**  
**Source-Specific Applicable Requirements**  
**S-135, HCl Storage Tank T-606A, S-136, HCl Storage Tank T-606B,**  
**S-137, HCl Storage Tank T606C, S-138, HCl Storage Tank T606D,**  
**S-139, HCl Storage Tank T-606E,**  
**Abated by A-18, Hydrochloric Acid Storage Tanks Scrubber**

| <b>Applicable Requirement</b>         | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|---------------------------------------|--|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 6, Rule 1</b>    | <b>Particulate Matter and Visible Emissions (12/5/07)</b>  |                                    |                              |
| 6-1-301                               | Ringelmann Number 1 Limitation   | N                                  |                              |
| 6-1-305                               | Visible Particles  | N                                  |                              |
| 6-1-310                               | Particulate Weight Limitation  | N                                  |                              |
| 6-1-311                               | General Operations   | N                                  |                              |
| 6-1-401                               | Appearance of Emissions  | N                                  |                              |
| <b>SIP Regulation 6</b>               | <b>Particulate Matter and Visible Emissions (9/4/98)</b>   |                                    |                              |
| 6-301                                 | Ringelmann Number 1 Limitation   | Y                                  |                              |
| 6-305                                 | Visible Particles  | Y                                  |                              |
| 6-310                                 | Particulate Weight Limitation  | Y                                  |                              |
| 6-311                                 | General Operations   | Y                                  |                              |
| 6-401                                 | Appearance of Emissions  | Y                                  |                              |
| <b>40 CFR, Part 63, Subpart NNNNN</b> | <b>National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003), See MACT Summary Tables at End of Section IV.</b> | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – N**  
**Source-Specific Applicable Requirements**  
**S-172, Maintenance Exhaust Area M-5**

| <b>Applicable Requirement</b>       | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------------|---|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 8, Rule 19</b> | <b>Organic Compounds - Surface Preparation and Coating of Miscellaneous Parts and Products (10/16/02)</b> |                                    |                              |
| 8-19-302                            | Limits  | Y                                  |                              |
| 8-19-307                            | Prohibition of Specification  | Y                                  |                              |
| 8-19-313                            | Spray Application Equipment Limitations   | Y                                  |                              |
| 8-19-320                            | Solvent Evaporative Loss Minimization   | Y                                  |                              |
| 8-19-321                            | Surface Preparation Standards   | Y                                  |                              |
| 8-19-501                            | Records   | Y                                  |                              |

## IV. Source-Specific Applicable Requirements

**Table IV – O**  
**Source-Specific Applicable Requirements**  
**S-174, Gasoline Dispensing Facility**

| Applicable Requirement             | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|--|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 8, Rule 7</b> | <b>Organic Compounds – Gasoline Dispensing Facilities (11/6/2002)</b>  |                             |                       |
| 8-7-113                            | Tank Gauging and Inspection Exemption  | Y                           |                       |
| 8-7-114                            | Stationary Tank Testing Exemption  | Y                           |                       |
| 8-7-301                            | Phase I Requirements   |                             |                       |
| 8-7-301.1                          | Requirements for Transfers into Stationary Tanks, Cargo Tanks, and Mobile Refuelers                                | Y                           |                       |
| 8-7-301.2                          | CARB Certification Requirements  | Y                           |                       |
| 8-7-301.3                          | Submerged Fill Pipe Requirement  | Y                           |                       |
| 8-7-301.5                          | Maintenance and Operating Requirement  | Y                           |                       |
| 8-7-301.6                          | Leak-Free and Vapor Tight Requirement for Components   | Y                           |                       |
| 8-7-301.7                          | Fitting Requirements for Vapor Return Line   | Y                           |                       |
| 8-7-301.8                          | Coaxial Phase I Systems Certified by CARB prior to January 1, 1994 may not be installed on New or Modified Systems | Y                           |                       |
| 8-7-301.9                          | Anti-rotational Coupler or Swivel Adapter Required   | Y                           |                       |
| 8-7-301.10                         | Vapor Recovery Efficiency Requirements for New and Modified Systems  | Y                           |                       |
| 8-7-301.11                         | CARB-Certified Spill Box   | Y                           |                       |
| 8-7-301.12                         | Drain Valve Permanently Plugged  | Y                           |                       |
| 8-7-301.13                         | Annual Vapor Tightness Test  | Y                           |                       |
| 8-7-303                            | Topping Off  | Y                           |                       |
| 8-7-304                            | Certification Requirements   | Y                           |                       |
| 8-7-308                            | Operating Practices  | Y                           |                       |
| 8-7-315                            | Pressure Vacuum Valve Requirements, Underground Tanks  | Y                           |                       |
| 8-7-401                            | Equipment Installation and Modification  | Y                           |                       |
| 8-7-407                            | Periodic Testing Requirements  | Y                           |                       |
| 8-7-408                            | Periodic Testing Notification and Submission Requirements  | Y                           |                       |
| 8-7-501                            | Burden of Proof  | Y                           |                       |
| 8-7-502                            | Right of Access  | Y                           |                       |
| 8-7-503                            | Recordkeeping Requirements   |                             |                       |
| 8-7-503.1                          | Gasoline Throughput Records  | Y                           |                       |
| 8-7-503.2                          | Maintenance Records  | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – O**  
**Source-Specific Applicable Requirements**  
**S-174, Gasoline Dispensing Facility**

| <b>Applicable Requirement</b>  | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|--------------------------------|--|------------------------------------|------------------------------|
| 8-7-503.3                      | Records Retention Time   | Y                                  |                              |
| <b>BAAQMD Condition #20666</b> |  |                                    |                              |
| Part 1                         | Phase I equipment installed and maintained per CARB Executive Order (Basis: District Regulation 8-7-301.2)         | Y                                  |                              |
| Part 2                         | Triennial drop tube/drain valve and static adaptor torque test requirements (Basis: District Regulation 8-7-301.2) | Y                                  |                              |
| <b>BAAQMD Condition #24289</b> |  |                                    |                              |
| Part 1                         | Maximum Annual Gasoline Throughput (Regulation 2, Rule 5)  | N                                  |                              |

<sup>1</sup> California Health & Safety Code §41954(g) prohibits local Districts from enforcing stricter local standards for gasoline vapor recovery equipment until two components or systems have been certified to meet the stricter standards, and allows existing facilities four years to retrofit to meet any such standards. Since the District adopted these standards, the California Air Resources Board has adopted similar standards in Certification Procedure CP-201 which will apply to new facilities effective 1/1/05, and all facilities effective 1/1/09.

#### IV. Source-Specific Applicable Requirements

**Table IV – P**  
**Source-Specific Applicable Requirements**  
**S-176 Chloralkali Cooling Tower H-1A, Abated by A-30,**  
**Chloralkali mist eliminator**  
**S-177 Chloralkali Cooling Tower H-1B, Abated by A-31,**  
**Chloralkali mist eliminator**  
**S-178 Chloralkali Cooling Tower H-2A, Abated by A-32,**  
**Chloralkali mist eliminator**  
**S-179 Chloralkali Cooling Tower H-2B, Abated by A-33,**  
**Chloralkali mist eliminator**

| <b>Applicable Requirement</b>      | <b>Regulation Title or Description of Requirement</b>     | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|------------------------------------|---|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 6, Rule 1</b> | <b>Particulate Matter and Visible Emissions (12/5/07)</b> |                                    |                              |
| 6-1-301                            | Ringelmann Number 1 Limitation                            | N                                  |                              |
| 6-1-305                            | Visible Particles   | N                                  |                              |
| 6-1-310                            | Particulate Weight Limitation                             | N                                  |                              |
| 6-1-311                            | General Operations  | N                                  |                              |
| 6-1-401                            | Appearance of Emissions                                   | N                                  |                              |
| <b>SIP Regulation 6</b>            | <b>Particulate Matter and Visible Emissions (9/4/98)</b>  |                                    |                              |
| 6-301                              | Ringelmann Number 1 Limitation                            | Y                                  |                              |
| 6-305                              | Visible Particles   | Y                                  |                              |
| 6-310                              | Particulate Weight Limitation                             | Y                                  |                              |
| 6-311                              | General Operations  | Y                                  |                              |
| 6-401                              | Appearance of Emissions                                   | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – Q**  
**Source-Specific Applicable Requirements**  
**S-286, Railcar Purging Facility at Car-Barn**  
**Abated by A-55, Maintenance – Packed Bed Scrubber**

| <b>Applicable Requirement</b>      | <b>Regulation Title or Description of Requirement</b>     | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|------------------------------------|---|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 6, Rule 1</b> | <b>Particulate Matter and Visible Emissions (12/5/07)</b> |                                    |                              |
| 6-1-301                            | Ringelmann Number 1 Limitation                            | N                                  |                              |
| 6-1-305                            | Visible Particles   | N                                  |                              |
| 6-1-310                            | Particulate Weight Limitation                             | N                                  |                              |
| 6-1-311                            | General Operations  | N                                  |                              |
| 6-1-401                            | Appearance of Emissions                                   | N                                  |                              |
| <b>SIP Regulation 6</b>            | <b>Particulate Matter and Visible Emissions (9/4/98)</b>  |                                    |                              |
| 6-301                              | Ringelmann Number 1 Limitation                            | Y                                  |                              |
| 6-305                              | Visible Particles   | Y                                  |                              |
| 6-310                              | Particulate Weight Limitation                             | Y                                  |                              |
| 6-311                              | General Operations  | Y                                  |                              |
| 6-401                              | Appearance of Emissions                                   | Y                                  |                              |
| <b>BAAQMD Condition #20826</b>     |   |                                    |                              |
| Part 1                             | Visual Check (6-310/2-1-403)                              | Y                                  |                              |
| Part 2                             | Records (6-310/2-1-403, 2-6-501)                          | Y                                  |                              |

## IV. Source-Specific Applicable Requirements

**Table IV – R**  
**Source-Specific Applicable Requirements**  
**S-302, Dowicil Train 1**  
**S-303, Dowicil Train 2**  
**Abated by A-192, Vent Recovery System (refrigeration)**  
**Followed by S-389, Sym-Tet Thermal Oxidizer or S-336, Manufacturing Services**  
**Thermal Oxidizer, at least 89% of the Dowicil Plant operating time**

| Applicable Requirement         | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date   |
|--------------------------------|--|-----------------------------|---|
| 40 CFR Part 63, Subpart VVVVVV | National Emissions Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources (12/21/2012),  | Y                           | Until Issuance Date of Title V Renewal                                    |
| 40 CFR Part 63, Subpart FFFF   | National Emission Standards for Hazardous Air Pollutants for – Miscellaneous Organic Chemical Manufacturing, See MACT Summary Tables at End of Section IV. | Y                           | compliance by 4 years, 6 months from Title V Renewal permit issuance date |
| 40 CFR Part 64                 | Compliance Assurance Monitoring (See CAM Table at the end of this section)   | Y                           |   |
| BAAQMD Condition #14438        |  |                             |   |
| Part 3                         | Abatement Requirement (BACT)   | Y                           |   |
| Part 6                         | A-192 shall emit no more than 1,233 pounds per day of methylene chloride. (BACT)   | Y                           |   |
| Part 8                         | Recordkeeping Requirement (Cumulative Increase, BACT, 2-6-501)   | Y                           |   |

#### IV. Source-Specific Applicable Requirements

**Table IV – S**  
**Source-Specific Applicable Requirements**  
**S-321, Dryer, D-608A**  
**Abated by S-336, Manufacturing Services Thermal Oxidizer**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b> | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|---|------------------------------------|------------------------------|
| <b>BAAQMD Condition 2501</b>  |   |                                    |                              |
| Part 1                        | Abatement Requirement (voluntary limit)               | N                                  |                              |
| Part 3                        | Recordkeeping Requirement (2-6-501)                   | Y                                  |                              |

**Table IV – T**  
**Source-Specific Applicable Requirements**  
**S-322, Portable Dryers, D-203A/B**  
**Abated by S-336, Manufacturing Services Thermal Oxidizer if operating**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>                             | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|---|------------------------------------|------------------------------|
| <b>40 CFR Part 64</b>         | <b>Compliance Assurance Monitoring (See CAM Table at the end of this section)</b> | <b>Y</b>                           |                              |
| <b>BAAQMD Condition #2501</b> |   |                                    |                              |
| Part 2                        | Abatement Requirement (voluntary limit)   | N                                  |                              |
| Part 3                        | Recordkeeping Requirement (2-6-501)   | Y                                  |                              |



#### IV. Source-Specific Applicable Requirements

**Table IV – U**  
**Source-Specific Applicable Requirements**  
**S-323, Dryer, D-605A**  
**S-324, Dryer, D-609**  
**S-535, Portable Dryer, D-605B**  
**Each Abated by S-336, Manufacturing Services Thermal Oxidizer**

| Applicable Requirement             | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|--|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 8, Rule 1</b> | Organic Compounds – General Provisions (6/15/94) |                             |                       |
| 8-1-110.3                          | Exemptions                                       | Y                           |                       |
| <b>BAAQMD Condition 2501</b>       |  |                             |                       |
| Part 1                             | Abatement Requirement (8-1-110.3)                | Y                           |                       |
| Part 3                             | Recordkeeping Requirement (2-6-501, 8-1-110.3)   | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – V**  
**Source-Specific Applicable Requirements**  
**S-326, T-601**

| <b>Applicable Requirement</b>     | <b>Regulation Title or Description of Requirement</b>            | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-----------------------------------|--|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 8 Rule 5</b> | <b>Organic Compounds – Storage of Organic Liquids (10/18/06)</b> |                                    |                              |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service       | N                                  |                              |
| 8-5-112                           | Limited Exemption, Tanks in Operation                            | N                                  |                              |
| 8-5-301                           | Storage Tank Control Requirements                                | N                                  |                              |
| 8-5-302                           | Requirements for Submerged Fill Pipes                            | N                                  |                              |
| 8-5-307                           | Requirements for Fixed Roof Tanks                                | N                                  |                              |
| 8-5-328                           | Tank Degassing Requirements                                      | N                                  |                              |
| 8-5-331                           | Tank Cleaning Requirements                                       | N                                  |                              |
| 8-5-501                           | Records  | N                                  |                              |
| 8-5-501.1                         | Type and Amount of Liquids Stored, Blanket Gases, TVP            | N                                  |                              |
| <b>SIP Regulation 8 Rule 5</b>    | <b>Organic Compounds – Storage of Organic Liquids (06/05/03)</b> |                                    |                              |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service       | Y                                  |                              |
| 8-5-112                           | Limited Exemption, Tanks in Operation                            | Y                                  |                              |
| 8-5-301                           | Storage Tank Control Requirements                                | Y                                  |                              |
| 8-5-302                           | Requirements for Submerged Fill Pipes                            | Y                                  |                              |
| 8-5-328                           | Tank Degassing Requirements                                      | Y                                  |                              |
| 8-5-501                           | Records  | Y                                  |                              |
| 8-5-501.1                         | Type and Amount of Liquids Stored, Blanket Gases, TVP            | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – W**  
**Source-Specific Applicable Requirements**  
**S-336, Manufacturing Services Thermal Oxidizer**  
**Abated by A-86, B14A & B Carbate Acid Absorber > A-21, B-15 Manufacturing**  
**Services Scrubber > A-54, B-15 Demister > A-410, B-16 Caustic Scrubber in series**

| Applicable Requirement             | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|--|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 6, Rule 1</b> | <b>Particulate Matter and Visible Emissions (12/5/07)</b>  |                             |                       |
| 6-1-301                            | Ringelmann Number 1 Limitation   | N                           |                       |
| 6-1-305                            | Visible Particles  | N                           |                       |
| 6-1-310                            | Particulate Weight Limitation  | N                           |                       |
| 6-1-311                            | General Operations   | N                           |                       |
| 6-1-401                            | Appearance of Emissions  | N                           |                       |
| <b>SIP Regulation 6</b>            | <b>Particulate Matter and Visible Emissions (9/4/98)</b>   |                             |                       |
| 6-301                              | Ringelmann Number 1 Limitation   | Y                           |                       |
| 6-305                              | Visible Particles  | Y                           |                       |
| 6-310                              | Particulate Weight Limitation  | Y                           |                       |
| 6-311                              | General Operations   | Y                           |                       |
| 6-401                              | Appearance of Emissions  | Y                           |                       |
| <b>BAAQMD Regulation 8, Rule 2</b> | <b>Organic Compounds – Miscellaneous Operations (7/20/05)</b>  |                             |                       |
| 8-2-301                            | Miscellaneous Operations   | Y                           |                       |
| <b>BAAQMD Regulation 9, Rule 1</b> | <b>Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)</b>   |                             |                       |
| 9-1-301                            | Limitations on Ground Level Concentrations   | Y                           |                       |
| 9-1-304                            | Fuel Burning (Liquid and Solid Fuels)  | Y                           |                       |
| <b>40 CFR Part 63 Subpart EEE</b>  | <b>National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors (9/30/99), See MACT Summary Tables at End of Section IV.</b> |                             |                       |
| <b>40 CFR Part 64</b>              | <b>Compliance Assurance Monitoring (See CAM Table at the end of this section)</b>  | Y                           |                       |
| <b>BAAQMD Condition #1785</b>      |  |                             |                       |
| Part 2                             | Abatement Requirement (Cumulative Increase, 8-2-301)   | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – W**  
**Source-Specific Applicable Requirements**  
**S-336, Manufacturing Services Thermal Oxidizer**  
**Abated by A-86, B14A & B Carbate Acid Absorber > A-21, B-15 Manufacturing**  
**Services Scrubber > A-54, B-15 Demister > A-410, B-16 Caustic Scrubber in series**

| Applicable Requirement        | Regulation Title or Description of Requirement                        | Federally Enforceable (Y/N) | Future Effective Date |
|-------------------------------|---|-----------------------------|-----------------------|
| <b>BAAQMD Condition #2501</b> |   |                             |                       |
| Part 1                        | Abatement Requirement (8-1-110.3)                                     | Y                           |                       |
| Part 2                        | Abatement Requirement (voluntary limit)                               | N                           |                       |
| Part 3                        | Recordkeeping (2-6-501, 8-1-110.3)                                    | Y                           |                       |
| <b>BAAQMD Condition #5336</b> |   |                             |                       |
| Part 1                        | Abatement Requirement (Cumulative Increase)                           | Y                           |                       |
| <b>BAAQMD Condition #5722</b> |   |                             |                       |
| Part 2                        | Abatement Requirement (Regulation 2, Rule 5, 8-1-110.3/2-1-403)       | Y                           |                       |
| <b>BAAQMD Condition #6859</b> |   |                             |                       |
| Part 1                        | Hourly Liquid Waste Feed Rate Limit (2-1-403)                         | Y                           |                       |
| Part 2                        | Effluent Flow Routing (2-1-403)                                       | Y                           |                       |
| Part 3                        | NOx Daily Emission Limit (Cumulative Increase, Offsets)               | Y                           |                       |
| Part 4                        | Minimum Organic Destruction Efficiency (Cumulative Increase, Offsets) | Y                           |                       |
| Part 5                        | Recordkeeping Requirement (2-1-403)                                   | Y                           |                       |
| Part 6                        | Minimum Operating Temperature (Cumulative Increase, Offsets)          | Y                           |                       |
| Part 7                        | Recordkeeping Requirement (2-1-403)                                   | Y                           |                       |
| Part 8                        | NOx Source Test Requirement (Cumulative Increase, Offsets, 2-6-501)   | Y                           |                       |
| Part 9                        | Monitoring of pH (2-6-503)  | Y                           |                       |
| <b>BAAQMD Condition #7775</b> |   |                             |                       |
| Part 2                        | Abatement Requirement (2-1-403)                                       | Y                           |                       |
| Part 4                        | Abatement Requirement (2-1-403)                                       | Y                           |                       |
| <b>BAAQMD Condition.</b>      |   |                             |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – W**  
**Source-Specific Applicable Requirements**  
**S-336, Manufacturing Services Thermal Oxidizer**  
**Abated by A-86, B14A & B Carbate Acid Absorber > A-21, B-15 Manufacturing**  
**Services Scrubber > A-54, B-15 Demister > A-410, B-16 Caustic Scrubber in series**

| <b>Applicable Requirement</b>  | <b>Regulation Title or Description of Requirement</b>             | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|--------------------------------|---|------------------------------------|------------------------------|
| <b>#8894</b>                   |   |                                    |                              |
| Part 2                         | Abatement Requirement (Cumulative Increase)                       | Y                                  |                              |
| Part 10                        | Abatement Requirement (Cumulative Increase, Regulation 2, Rule 5) | Y                                  |                              |
| Part 12                        | Abatement Requirement (Cumulative Increase, Regulation 2, Rule 5) | Y                                  |                              |
| <b>BAAQMD Condition #11276</b> |   |                                    |                              |
| Part 1                         | Abatement Requirement (8-5-306, 8-6-302, 8-6-304)                 | Y                                  |                              |
| Part 2                         | Vapor Tight Connections (8-5-306, 8-6-302)                        | Y                                  |                              |
| <b>BAAQMD Condition #14722</b> |   |                                    |                              |
| Part 1                         | Abatement Requirement (Cumulative Increase, Offsets, 8-47-301)    | Y                                  |                              |
| <b>BAAQMD Condition #16612</b> |   |                                    |                              |
| Part 2                         | Abatement Requirement (8-5-301, 8-5-306, 8-5-307)                 | Y                                  |                              |
| <b>BAAQMD Condition #17971</b> |   |                                    |                              |
| Part 1                         | Abatement Requirement (Cumulative Increase, 8-6-304)              | Y                                  |                              |
| <b>BAAQMD Condition #17985</b> |   |                                    |                              |
| Part 1                         | Abatement Requirement (6-310, 7-300/2-1-403)                      | Y                                  |                              |
| Part 2                         | Abatement Requirement (6-310, 7-300/2-1-403)                      | Y                                  |                              |

## IV. Source-Specific Applicable Requirements

**Table IV – X**  
**Source-Specific Applicable Requirements**  
**S-389, Sym-Tet Thermal Oxidizer, R-501**  
**Abated by A-74, B-502 Caustic Scrubber and A-412, B-501 Acid Absorber**  
**Abated by A-75, X-505 Particulate Scrubber when burning chlorinated liquids**  
**Abated by A-77, R-502 Nonselective Catalytic Reduction Unit, and A-76, B-503A**  
**Carbon Adsorber, A-80, B-503B Carbon Adsorber, and A-205, R-503 Carbon**  
**Monoxide Scrubber when A-77 is operating**

| Applicable Requirement             | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|--|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 6, Rule 1</b> | <b>Particulate Matter and Visible Emissions (12/5/07)</b>  |                             |                       |
| 6-1-301                            | Ringelmann Number 1 Limitation   | N                           |                       |
| 6-1-305                            | Visible Particles  | N                           |                       |
| 6-1-310                            | Particulate Weight Limitation  | N                           |                       |
| 6-1-311                            | General Operations   | N                           |                       |
| 6-1-401                            | Appearance of Emissions  | N                           |                       |
| <b>SIP Regulation 6</b>            | <b>Particulate Matter and Visible Emissions (9/4/98)</b>   |                             |                       |
| 6-301                              | Ringelmann Number 1 Limitation   | Y                           |                       |
| 6-305                              | Visible Particles  | Y                           |                       |
| 6-310                              | Particulate Weight Limitation  | Y                           |                       |
| 6-311                              | General Operations   | Y                           |                       |
| 6-401                              | Appearance of Emissions  | Y                           |                       |
| <b>BAAQMD Regulation 8, Rule 2</b> | <b>Organic Compounds – Miscellaneous Operations (7/20/05)</b>  |                             |                       |
| 8-2-301                            | Miscellaneous Operations   | Y                           |                       |
| <b>BAAQMD Regulation 9, Rule 1</b> | <b>Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)</b>   |                             |                       |
| 9-1-301                            | Limitations on Ground Level Concentrations   | Y                           |                       |
| 9-1-304                            | Fuel Burning (Liquid and Solid Fuels)  | Y                           |                       |
| <b>40 CFR Part 63 Subpart EEE</b>  | <b>National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors (9/30/99), See MACT Summary Tables at End of Section IV.</b> |                             |                       |
| <b>40 CFR Part 64</b>              | <b>Compliance Assurance Monitoring (See CAM Table at the end of this section)</b>  | Y                           |                       |
| <b>BAAQMD</b>                      |  |                             |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – X**  
**Source-Specific Applicable Requirements**  
**S-389, Sym-Tet Thermal Oxidizer, R-501**  
**Abated by A-74, B-502 Caustic Scrubber and A-412, B-501 Acid Absorber**  
**Abated by A-75, X-505 Particulate Scrubber when burning chlorinated liquids**  
**Abated by A-77, R-502 Nonselective Catalytic Reduction Unit, and A-76, B-503A**  
**Carbon Adsorber, A-80, B-503B Carbon Adsorber, and A-205, R-503 Carbon**  
**Monoxide Scrubber when A-77 is operating**

| Applicable Requirement        | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date |
|-------------------------------|---|-----------------------------|-----------------------|
| <b>Condition #1748</b>        |   |                             |                       |
| Part 1                        | Abatement Requirement (Cumulative Increase)   | Y                           |                       |
| <b>BAAQMD Condition #1785</b> |   |                             |                       |
| Part 2                        | Abatement Requirement (Cumulative Increase, 8-2-301)                                    | Y                           |                       |
| <b>BAAQMD Condition #2039</b> |   |                             |                       |
| Part 1                        | Minimum Temperature Requirement (Cumulative Increase, BACT)                             | Y                           |                       |
| Part 2                        | Minimum Residence Time Requirement (Cumulative Increase, BACT)                          | Y                           |                       |
| Part 3                        | Abatement Requirement (Cumulative Increase, BACT, Regulation 6)                         | Y                           |                       |
| Part 4                        | Carbon Monoxide Emission Limit (Cumulative Increase, BACT)                              | Y                           |                       |
| Part 5                        | Minimum Organic Destruction Removal Efficiency (Cumulative Increase)                    | Y                           |                       |
| Part 7                        | Annual Liquid Throughput Limit (Cumulative Increase)                                    | Y                           |                       |
| Part 8                        | Daily Liquid Throughput Limit (Cumulative Increase, BACT)                               | Y                           |                       |
| Part 9                        | Source Test Requirement for NOx and CO (Cumulative Increase, BACT)                      | Y                           |                       |
| Part 10                       | NOx Emission Limit, Reporting, and Source Test Requirements (Cumulative Increase, BACT) | Y                           |                       |
| Part 11                       | Carbon Adsorber and Oxidation Catalyst Operation (Cumulative Increase)                  | Y                           |                       |
| Part 13                       | Continuous Monitors (Cumulative Increase, BACT)   | Y                           |                       |
| Part 14                       | Stack Height Requirements (Regulation 2, Rule 5)  | N                           |                       |
| Part 15                       | Recordkeeping Requirement (Cumulative Increase, BACT, 2-6-501)                          | Y                           |                       |
| Part 16                       | Monitoring of pH (2-6-503)  | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – X**  
**Source-Specific Applicable Requirements**  
**S-389, Sym-Tet Thermal Oxidizer, R-501**  
**Abated by A-74, B-502 Caustic Scrubber and A-412, B-501 Acid Absorber**  
**Abated by A-75, X-505 Particulate Scrubber when burning chlorinated liquids**  
**Abated by A-77, R-502 Nonselective Catalytic Reduction Unit, and A-76, B-503A**  
**Carbon Adsorber, A-80, B-503B Carbon Adsorber, and A-205, R-503 Carbon**  
**Monoxide Scrubber when A-77 is operating**

| Applicable Requirement         | Regulation Title or Description of Requirement                  | Federally Enforceable (Y/N) | Future Effective Date |
|--------------------------------|---|-----------------------------|-----------------------|
| <b>BAAQMD Condition #5722</b>  |   |                             |                       |
| Part 2                         | Abatement Requirement (Regulation 2, Rule 5, 8-1-110.3/2-1-403) | Y                           |                       |
| <b>BAAQMD Condition #11276</b> |   |                             |                       |
| Part 1                         | Abatement Requirement (8-5-306, 8-6-302, 8-6-304)               | Y                           |                       |
| Part 2                         | Vapor Tight Connections (8-5-306, 8-6-304)                      | Y                           |                       |
| <b>BAAQMD Condition #14438</b> |   |                             |                       |
| Part 4                         | Abatement Requirement (Cumulative Increase, 8-5-306, 8-5-307)   | Y                           |                       |
| Part 5                         | Minimum Abatement Period (BACT)                                 | Y                           |                       |
| <b>BAAQMD Condition #14722</b> |   |                             |                       |
| Part 1                         | Abatement Requirement (Cumulative Increase, Offsets, 8-47-301)  | Y                           |                       |



#### IV. Source-Specific Applicable Requirements

**Table IV – Y**  
**Source-Specific Applicable Requirements**  
**A-400 (S-400), Thermal Oxidizer R-901**  
**Abated by A-401, Acid Adsorber B-901, Followed by A-79,**  
**Packed Bed Scrubber B-902**

| <b>Applicable Requirement</b>      | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|------------------------------------|---|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 6, Rule 1</b> | <b>Particulate Matter and Visible Emissions (12/5/07)</b>   |                                    |                              |
| 6-1-301                            | Ringelmann Number 1 Limitation  | N                                  |                              |
| 6-1-305                            | Visible Particles   | N                                  |                              |
| 6-1-310                            | Particulate Weight Limitation   | N                                  |                              |
| 6-1-311                            | General Operations  | N                                  |                              |
| 6-1-401                            | Appearance of Emissions   | N                                  |                              |
| <b>SIP Regulation 6</b>            | <b>Particulate Matter and Visible Emissions (9/4/98)</b>  |                                    |                              |
| 6-301                              | Ringelmann Number 1 Limitation  | Y                                  |                              |
| 6-305                              | Visible Particles   | Y                                  |                              |
| 6-310                              | Particulate Weight Limitation   | Y                                  |                              |
| 6-401                              | Appearance of Emissions   | Y                                  |                              |
| <b>BAAQMD Regulation 8, Rule 2</b> | <b>Organic Compounds – Miscellaneous Operations (7/20/05)</b>   |                                    |                              |
| 8-2-301                            | Miscellaneous Operations  | Y                                  |                              |
| <b>BAAQMD Regulation 9, Rule 1</b> | <b>Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)</b>  |                                    |                              |
| 9-1-301                            | Limitations on Ground Level Concentrations  | Y                                  |                              |
| 9-1-302                            | General Emission Limitation   | Y                                  |                              |
| <b>BAAQMD Regulation 9, Rule 7</b> | <b>Inorganic Gaseous Pollutants –Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (5/4/11)</b> |                                    |                              |
| 9-7-112                            | Limited Exemption, Low Fuel Usage – Section 9-7-307   | N                                  |                              |
| 9-7-309                            | Low Fuel Usage Requirements – Section 9-7-307   |                                    |                              |
| 9-7-309.2                          | Tune once every 12 months   |                                    |                              |
| 9-7-504                            | Records   | N                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – Y**  
**Source-Specific Applicable Requirements**  
**A-400 (S-400), Thermal Oxidizer R-901**  
**Abated by A-401, Acid Adsorber B-901, Followed by A-79,**  
**Packed Bed Scrubber B-902**

| <b>Applicable Requirement</b>   | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|---------------------------------|---|------------------------------------|------------------------------|
| <b>SIP Regulation 9, Rule 7</b> | <b>Inorganic Gaseous Pollutants –Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (12/15/97)</b> |                                    |                              |
| 9-7-111                         | Limited Exemption, Low Fuel Usage – Section 9-7-301   | Y                                  |                              |
| 9-7-304                         | Low Fuel Usage Requirements   | Y                                  |                              |
| 9-7-304.2                       | Tune once every 12 months   | Y                                  |                              |
| 9-7-504                         | Records   | Y                                  |                              |
| <b>40 CFR Part 64</b>           | <b>Compliance Assurance Monitoring (See CAM Table at the end of this section)</b>   | <b>Y</b>                           |                              |
| <b>BAAQMD Condition #2213</b>   |   |                                    |                              |
| Part 3                          | Abatement Requirement (Cumulative Increase, Regulation 6)   | Y                                  |                              |
| Part 7                          | Abatement Requirement (Cumulative Increase, 8-2-301)  | Y                                  |                              |
| Part 8                          | Abatement Efficiency (8-2-301)  | Y                                  |                              |
| Part 9                          | Minimum Temperature Requirement (8-2-301/2-1-403)   | Y                                  |                              |
| Part 12                         | Recordkeeping Requirement (2-1-403, 2-6-501)  | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – Z**  
**Source-Specific Applicable Requirements**  
**S-402, HCL Storage Tank**  
**Abated by A-401, Acid Adsorber B-901 and A-79, Packed Bed Scrubber B-902**

| <b>Applicable Requirement</b>      | <b>Regulation Title or Description of Requirement</b>     | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|------------------------------------|---|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 6, Rule 1</b> | <b>Particulate Matter and Visible Emissions (12/5/07)</b> |                                    |                              |
| 6-1-301                            | Ringelmann Number 1 Limitation                            | N                                  |                              |
| 6-1-305                            | Visible Particles   | N                                  |                              |
| 6-1-310                            | Particulate Weight Limitation                             | N                                  |                              |
| 6-1-311                            | General Operations  | N                                  |                              |
| 6-1-401                            | Appearance of Emissions                                   | N                                  |                              |
| <b>SIP Regulation 6</b>            | <b>Particulate Matter and Visible Emissions (9/4/98)</b>  |                                    |                              |
| 6-301                              | Ringelmann Number 1 Limitation                            | Y                                  |                              |
| 6-305                              | Visible Particles   | Y                                  |                              |
| 6-310                              | Particulate Weight Limitation                             | Y                                  |                              |
| 6-311                              | General Operations  | Y                                  |                              |
| 6-401                              | Appearance of Emissions                                   | Y                                  |                              |
| <b>BAAQMD Condition #5147</b>      |   |                                    |                              |
| Part 1                             | Abatement Requirement (Regulation 2, Rule 5)              | N                                  |                              |
| Part 2                             | Annual Throughput Limit (Regulation 2, Rule 5)            | N                                  |                              |
| Part 3                             | Recordkeeping Requirement (Regulation 2, Rule 5)          | N                                  |                              |

**IV. Source-Specific Applicable Requirements**

**Table IV – AA  
 Source-Specific Applicable Requirements  
 S-428, Sym-Tet Processing, H-300  
 S-448, H-200 Sym-Tet  
 Both Abated by A-154, Vent Recovery System H-320A & B, T-320**

| <b>Applicable Requirement</b>      | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|------------------------------------|--|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 8, Rule 1</b> | <b>Organic Compounds – General Provisions (6/15/94)</b>  |                                    |                              |
| 8-1-110.3                          | Exemptions   | Y                                  |                              |
| <b>BAAQMD Condition #5148</b>      |  |                                    |                              |
| Part 1                             | Vent Recovery System (A-154) shall achieve 85% by weight control efficiency or shall emit less than 15 lb/day as carbon (8-1-110.3, 8-2-301) | Y                                  |                              |
| Part 2                             | Heat Exchanger Temperature Condition (8-1-110.3, 8-2-301)  | Y                                  |                              |
| Part 3                             | Monitoring Requirement (8-1-110.3, 8-2-301/2-1-403)  | Y                                  |                              |
| Part 4                             | Abatement Requirement (8-1-110.3, 8-2-301/2-1-403)   | Y                                  |                              |
| Part 5                             | Recordkeeping (2-6-501, 8-1-110.3, 8-2-301/2-1-403)  | Y                                  |                              |

**Table IV – AB  
 Source-Specific Applicable Requirements  
 S-431, Carbon Tetrachloride Pressure Vessel, D-260A  
 S-432, Carbon Tetrachloride Pressure Vessel, D-260B  
 Each abated by S-336, Manufacturing Services Thermal Oxidizer or Operated as Pressure Vessels**

| <b>Applicable Requirement</b>     | <b>Regulation Title or Description of Requirement</b>            | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-----------------------------------|--|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 8 Rule 5</b> | <b>Organic Compounds – Storage of Organic Liquids (10/18/06)</b> |                                    |                              |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service       | N                                  |                              |
| 8-5-112                           | Limited Exemption, Tanks in Operation                            | N                                  |                              |
| 8-5-301                           | Storage Tank Control Requirements                                | N                                  |                              |
| 8-5-306                           | Requirements for Approved Emission Control Systems               | N                                  |                              |
| 8-5-328                           | Tank Degassing Requirements                                      | N                                  |                              |
| 8-5-331                           | Tank Cleaning Requirements                                       | N                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – AB**  
**Source-Specific Applicable Requirements**  
**S-431, Carbon Tetrachloride Pressure Vessel, D-260A**  
**S-432, Carbon Tetrachloride Pressure Vessel, D-260B**  
**Each abated by S-336, Manufacturing Services Thermal Oxidizer or Operated as**  
**Pressure Vessels**

| <b>Applicable Requirement</b>  | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|--------------------------------|---|------------------------------------|------------------------------|
| 8-5-501                        | Records   | N                                  |                              |
| 8-5-501.1                      | Type and Amount of Liquids Stored, Blanket Gases, TVP   | N                                  |                              |
| <b>SIP Regulation 8 Rule 5</b> | <b>Organic Compounds – Storage of Organic Liquids (06/05/03)</b>                                |                                    |                              |
| 8-5-111                        | Limited Exemption, Tank Removal From and Return to Service                                      | Y                                  |                              |
| 8-5-112                        | Limited Exemption, Tanks in Operation   | Y                                  |                              |
| 8-5-301                        | Storage Tank Control Requirements   | Y                                  |                              |
| 8-5-306                        | Requirements for Approved Emission Control Systems (when operated with emission control system) | Y                                  |                              |
| 8-5-307                        | Requirements for Pressure Tanks and Blanketed Tanks (when operated as pressure tank)            | Y                                  |                              |
| 8-5-328                        | Tank Degassing Requirements   | Y                                  |                              |
| 8-5-501                        | Records   | Y                                  |                              |
| 8-5-501.1                      | Type and Amount of Liquids Stored, Blanket Gases, TVP   | Y                                  |                              |
| 8-5-503                        | Portable Hydrocarbon Detector   | Y                                  |                              |
| <b>BAAQMD Condition #8894</b>  |   |                                    |                              |
| Part 1                         | Valve Type (Cumulative Increase, Regulation 2, Rule 5)  | Y                                  |                              |
| Part 2                         | Abatement Requirement (Cumulative Increase, Regulation 2, Rule 5)                               | Y                                  |                              |

## IV. Source-Specific Applicable Requirements

**Table IV – AC**  
**Source-Specific Applicable Requirements**  
**S-434, Manufacturing Services Facility**  
**Abated by A-87, HCl Absorber/Heat Exchanger H-109 and A-85, Absorber –**  
**Packed Bed in series, followed by A-199, Manufacturing Services Scrubber B-12, or**  
**Abated by S-336, Manufacturing Services Thermal Oxidizer**

| Applicable Requirement                | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date |
|---------------------------------------|--|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 6, Rule 1</b>    | <b>Particulate Matter and Visible Emissions (12/5/07)</b>  |                             |                       |
| 6-1-301                               | Ringelmann Number 1 Limitation   | N                           |                       |
| 6-1-305                               | Visible Particles  | N                           |                       |
| 6-1-310                               | Particulate Weight Limitation  | N                           |                       |
| 6-1-311                               | General Operations   | N                           |                       |
| 6-1-401                               | Appearance of Emissions  | N                           |                       |
| <b>SIP Regulation 6</b>               | <b>Particulate Matter and Visible Emissions (9/4/98)</b>   |                             |                       |
| 6-301                                 | Ringelmann Number 1 Limitation   | Y                           |                       |
| 6-305                                 | Visible Particles  | Y                           |                       |
| 6-310                                 | Particulate Weight Limitation  | Y                           |                       |
| 6-311                                 | General Operations   | Y                           |                       |
| 6-401                                 | Appearance of Emissions  | Y                           |                       |
| <b>BAAQMD Regulation 8, Rule 2</b>    | <b>Organic Compounds – Miscellaneous Operations (7/20/05)</b>  |                             |                       |
| 8-2-301                               | Miscellaneous Operations   | Y                           |                       |
| <b>BAAQMD Regulation 8, Rule 10</b>   | <b>Organic Compounds – Process Vessel Depressurization (1/21/04)</b>   |                             |                       |
| 8-10-301                              | Process Vessel Depressurizing  | N                           |                       |
| 8-10-302                              | Opening of Process Vessels   | N                           |                       |
| <b>SIP Regulation 8, Rule 10</b>      | <b>Organic Compounds – Process Vessel Depressurization (10/3/84)</b>   |                             |                       |
| 8-10-301                              | Process Vessel Depressurizing  | Y                           |                       |
| <b>40 CFR, Part 63, Subpart NNNNN</b> | <b>National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003), A-87 is subject to Subpart NNNNN please see MACT Summary Tables at End of Section IV.</b> | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – AC**  
**Source-Specific Applicable Requirements**  
**S-434, Manufacturing Services Facility**  
**Abated by A-87, HCl Absorber/Heat Exchanger H-109 and A-85, Absorber –**  
**Packed Bed in series, followed by A-199, Manufacturing Services Scrubber B-12, or**  
**Abated by S-336, Manufacturing Services Thermal Oxidizer**

| <b>Applicable Requirement</b>        | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b>   |
|--------------------------------------|---|------------------------------------|--|
| <b>40 CFR, Part 63, Subpart FFFF</b> | <b>National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing (11/10/2003), S-434 (carbon tetrachloride distillation process) subject to Subpart FFFF. See MACT Summary Table at End of Section IV.</b> | <b>Y</b>                           | <b>compliance by 4 years, 6 months from Title V Renewal permit issuance date</b> |
| <b>40 CFR Part 64</b>                | <b>Compliance Assurance Monitoring (See CAM Table at the end of this section)</b>   | <b>Y</b>                           |  |
| <b>BAAQMD Condition #17985</b>       |   |                                    |  |
| Part 2                               | Abatement Requirement (Regulation 6-1-310, Regulation 7-300, Regulation 2-1-403)  | Y                                  |  |
| Part 6                               | Minimum Caustic Concentration (Regulation 6-1-310, Regulation 2-1-403)  | Y                                  |  |
| Part 7                               | Testing (Regulation 6-1-310, Regulation 2-1-403)  | Y                                  |  |
| Part 8                               | Recordkeeping Requirement (Regulation 6-1-310, Regulation 2-1-403)  | Y                                  |  |
| Part 9                               | Annual hydrochloric acid production limit and recordkeeping (Cumulative Increase, Regulation 2, Rule 5, 2-6-501)  | Y                                  |  |

## IV. Source-Specific Applicable Requirements

**Table IV – AD**  
**Source-Specific Applicable Requirements**  
**S-444, U-183 Dowtherm Heater**

| Applicable Requirement             | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|---|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 6, Rule 1</b> | <b>Particulate Matter and Visible Emissions (12/5/07)</b>   |                             |                       |
| 6-1-301                            | Ringelmann Number 1 Limitation  | N                           |                       |
| 6-1-305                            | Visible Particles   | N                           |                       |
| 6-1-310                            | Particulate Weight Limitation   | N                           |                       |
| 6-1-310.3                          | Heat Transfer Operation   | Y                           |                       |
| <b>SIP Regulation 6</b>            | <b>Particulate Matter and Visible Emissions (9/4/98)</b>  |                             |                       |
| 6-301                              | Ringelmann Number 1 Limitation  | Y                           |                       |
| 6-305                              | Visible Particles   | Y                           |                       |
| 6-310                              | Particulate Weight Limitation   | Y                           |                       |
| 6-310.3                            | Heat Transfer Operation   | Y                           |                       |
| <b>BAAQMD Regulation 9, Rule 1</b> | <b>Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)</b>  |                             |                       |
| 9-1-301                            | Limitations on Ground Level Concentrations  | Y                           |                       |
| 9-1-302                            | General Emission Limitation   | Y                           |                       |
| <b>BAAQMD Regulation 9, Rule 7</b> | <b>Inorganic Gaseous Pollutants –Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (5/4/11)</b> |                             |                       |
| 9-7-301                            | Interim Emission Limits   | N                           |                       |
| 9-7-301.1                          | NOx Emissions Limit 30 ppmv @3% O2  | N                           |                       |
| 9-7-301.4                          | CO Emissions Limit 400 ppmv@3% O2   | N                           |                       |
| 9-7-307.5                          | NOx Emission Limit 9 ppmv @ 3% O2, CO Emissions Limit 400 ppmv @ 3% O2.   | N                           |                       |
| 9-7-503                            | Records   | N                           |                       |
| 9-7-506                            | Periodic Testing  | N                           |                       |
| <b>SIP Regulation 9, Rule 7</b>    | <b>Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide (12/15/97)</b>  |                             |                       |
| 9-7-301                            | Emission Limits for Burning Gaseous Fuel  | Y                           |                       |
| 9-7-301.1                          | NOx Emissions Limit   | Y                           |                       |
| 9-7-301.2                          | CO Emissions Limit  | Y                           |                       |
| 9-7-503                            | Records   | Y                           |                       |



#### IV. Source-Specific Applicable Requirements

**Table IV – AD  
 Source-Specific Applicable Requirements  
 S-444, U-183 Dowtherm Heater**

| Applicable Requirement         | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date |
|--------------------------------|---|-----------------------------|-----------------------|
| 40 CFR, Part 63, Subpart DDDDD | National Emission Standards for Hazardous Air Pollutants: Industrial, Commercial, and Institutional Boilers and Process Heaters (1/31/2013) | Y                           | See 63.7495(c)        |
| BAAQMD Condition #11054        |   |                             |                       |
| Part 1                         | Fuel Restriction - Natural Gas (BACT)   | Y                           |                       |
| Part 2                         | NOx Emission Limits (9-7-301, 9-7-307.5)  | Y                           |                       |
| Part 3                         | CO Emission Limit (BACT)  | Y                           |                       |
|                                |   |                             |                       |
| Part 5                         | Source Test Requirements (9-7-307.5, 9-7-506)   | Y                           |                       |
| Part 6                         | Recordkeeping Requirement (2-6-501, 9-7-307.5)  | Y                           |                       |

**Table IV – AE  
 Source-Specific Applicable Requirements  
 S-446, Sym-Tet Plant  
 Abated by S-389 when S-389 is operating, or  
 Abated by A-88, B-106 Sym-Tet Scrubber or  
 Abated by A-89, X-3 Emergency Venturi at N-Serve/Sym-Tet  
 Reactor and Stripping Systems, or abated by A-168,  
 B-609 Emergency Backup Caustic Scrubber**

| Applicable Requirement      | Regulation Title or Description of Requirement     | Federally Enforceable (Y/N) | Future Effective Date |
|-----------------------------|--|-----------------------------|-----------------------|
| BAAQMD Regulation 6, Rule 1 | Particulate Matter and Visible Emissions (12/5/07) |                             |                       |
| 6-1-301                     | Ringelmann Number 1 Limitation                     | N                           |                       |
| 6-1-305                     | Visible Particles                                  | N                           |                       |
| 6-1-310                     | Particulate Weight Limitation                      | N                           |                       |
| 6-1-311                     | General Operations                                 | N                           |                       |
| 6-1-401                     | Appearance of Emissions                            | N                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – AE  
 Source-Specific Applicable Requirements  
 S-446, Sym-Tet Plant  
 Abated by S-389 when S-389 is operating, or  
 Abated by A-88, B-106 Sym-Tet Scrubber or  
 Abated by A-89, X-3 Emergency Venturi at N-Serve/Sym-Tet  
 Reactor and Stripping Systems, or abated by A-168,  
 B-609 Emergency Backup Caustic Scrubber**

| <b>Applicable Requirement</b>       | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b>   |
|-------------------------------------|---|------------------------------------|--|
| <b>SIP Regulation 6</b>             | <b>Particulate Matter and Visible Emissions (9/4/98)</b>  |                                    |  |
| 6-301                               | Ringelmann Number 1 Limitation  | Y                                  |  |
| 6-305                               | Visible Particles   | Y                                  |  |
| 6-310                               | Particulate Weight Limitation   | Y                                  |  |
| 6-311                               | General Operations  | Y                                  |  |
| 6-401                               | Appearance of Emissions   | Y                                  |  |
| <b>BAAQMD Regulation 8, Rule 2</b>  | <b>Organic Compounds – Miscellaneous Operations (7/20/05)</b>   |                                    |  |
| 8-2-301                             | Miscellaneous Operations  | Y                                  |  |
| <b>BAAQMD Regulation 8, Rule 10</b> | <b>Organic Compounds – Process Vessel Depressurization (1/21/04)</b>  |                                    |  |
| 8-10-301                            | Process Vessel Depressurizing   | N                                  |  |
| 8-10-302                            | Opening of Process Vessels  | N                                  |  |
| <b>SIP Regulation 8, Rule 10</b>    | <b>Organic Compounds – Process Vessel Depressurization (10/3/84)</b>  |                                    |  |
| 8-10-301                            | Process Vessel Depressurizing   | Y                                  |  |
| <b>40 CFR Part 63, Subpart FFFF</b> | <b>National Emission Standards for Hazardous Air Pollutants for – Miscellaneous Organic Chemical Manufacturing, See MACT Summary Tables at End of Section IV.</b> | Y                                  | <b>compliance by 4 years, 6 months from Title V Renewal permit issuance date</b> |

#### IV. Source-Specific Applicable Requirements

**Table IV – AE**  
**Source-Specific Applicable Requirements**  
**S-446, Sym-Tet Plant**  
**Abated by S-389 when S-389 is operating, or**  
**Abated by A-88, B-106 Sym-Tet Scrubber or**  
**Abated by A-89, X-3 Emergency Venturi at N-Serve/Sym-Tet**  
**Reactor and Stripping Systems, or abated by A-168,**  
**B-609 Emergency Backup Caustic Scrubber**

| Applicable Requirement | Regulation Title or Description of Requirement                             | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------|--|-----------------------------|-----------------------|
| 40 CFR Part 64         | Compliance Assurance Monitoring (See CAM Table at the end of this section) | Y                           |                       |
| BAAQMD Condition #5385 |  |                             |                       |
| Part 1                 | Abatement of Reactor/Stripping Systems                                     | Y                           |                       |

**Table IV – AF**  
**Source-Specific Applicable Requirements**  
**[Pressure Tank < 75m<sup>3</sup>]**  
**S-458, T-80 in Block 660**

| Applicable Requirement     | Regulation Title or Description of Requirement             | Federally Enforceable (Y/N) | Future Effective Date |
|----------------------------|--|-----------------------------|-----------------------|
| BAAQMD Regulation 8 Rule 5 | Organic Compounds – Storage of Organic Liquids (10/18/06)  |                             |                       |
| 8-5-111                    | Limited Exemption, Tank Removal From and Return to Service | N                           |                       |
| 8-5-112                    | Limited Exemption, Tanks in Operation                      | N                           |                       |
| 8-5-301                    | Storage Tank Control Requirements                          | N                           |                       |
| 8-5-307                    | Requirements for Pressure Tanks and Blanketed Tanks        | N                           |                       |
| 8-5-328                    | Tank Degassing Requirements                                | N                           |                       |
| 8-5-331                    | Tank Cleaning Requirements                                 | N                           |                       |
| 8-5-501                    | Records  | N                           |                       |
| 8-5-501.1                  | Type and Amount of Liquids Stored, Blanket Gases, TVP      | N                           |                       |
| SIP Regulation 8 Rule 5    | Organic Compounds – Storage of Organic Liquids (06/05/03)  |                             |                       |
| 8-5-111                    | Limited Exemption, Tank Removal From and Return to Service | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – AF**  
**Source-Specific Applicable Requirements**  
**[Pressure Tank < 75m<sup>3</sup>]**  
**S-458, T-80 in Block 660**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b> | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|---|------------------------------------|------------------------------|
| 8-5-112                       | Limited Exemption, Tanks in Operation                 | Y                                  |                              |
| 8-5-301                       | Storage Tank Control Requirements                     | Y                                  |                              |
| 8-5-307                       | Requirements for Pressure Tanks and Blanketed Tanks   | Y                                  |                              |
| 8-5-328                       | Tank Degassing Requirements                           | Y                                  |                              |
| 8-5-501                       | Records   | Y                                  |                              |
| 8-5-501.1                     | Type and Amount of Liquids Stored, Blanket Gases, TVP | Y                                  |                              |
| 8-5-503                       | Portable Hydrocarbon Detector                         | Y                                  |                              |

**Table IV – AG**  
**Source-Specific Applicable Requirements**  
**S-460, Dowtherm Heater U-83**

| <b>Applicable Requirement</b>      | <b>Regulation Title or Description of Requirement</b>          | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|------------------------------------|--|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 6, Rule 1</b> | <b>Particulate Matter and Visible Emissions (12/5/07)</b>      |                                    |                              |
| 6-1-301                            | Ringelmann Number 1 Limitation                                 | N                                  |                              |
| 6-1-305                            | Visible Particles  | N                                  |                              |
| 6-1-310                            | Particulate Weight Limitation                                  | N                                  |                              |
| 6-1-310.3                          | Heat Transfer Operation  | N                                  |                              |
| <b>SIP Regulation 6</b>            | <b>Particulate Matter and Visible Emissions (9/4/98)</b>       |                                    |                              |
| 6-301                              | Ringelmann Number 1 Limitation                                 | Y                                  |                              |
| 6-305                              | Visible Particles  | Y                                  |                              |
| 6-310                              | Particulate Weight Limitation                                  | Y                                  |                              |
| 6-310.3                            | Heat Transfer Operation  | Y                                  |                              |
| <b>BAAQMD Regulation 9, Rule 1</b> | <b>Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)</b> |                                    |                              |
| 9-1-301                            | Limitations on Ground Level Concentrations                     | Y                                  |                              |
| 9-1-302                            | General Emission Limitation                                    | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – AG  
 Source-Specific Applicable Requirements  
 S-460, Dowtherm Heater U-83**

| Applicable Requirement                | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date |
|---------------------------------------|---|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 9, Rule 7</b>    | <b>Inorganic Gaseous Pollutants –Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (5/4/11)</b> |                             |                       |
| 9-7-301                               | Interim Emission Limits   | N                           |                       |
| 9-7-301.1                             | NOx Emissions Limit 30 ppmv @3% O2  | N                           |                       |
| 9-7-301.4                             | CO Emissions Limit 400 ppmv@3% O2   | N                           |                       |
| 9-7-307.5                             | NOx Emission Limit 9 ppmv @ 3% O2, CO Emissions Limit 400 ppmv @ 3% O2.   | N                           |                       |
| 9-7-503                               | Records   | N                           |                       |
| 9-7-506                               | Periodic Testing  | N                           |                       |
| <b>SIP Regulation 9, Rule 7</b>       | <b>Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide (12/15/97)</b>  |                             |                       |
| 9-7-301                               | Emission Limits for Burning Gaseous Fuel  | Y                           |                       |
| 9-7-301.1                             | NOx Emissions Limit   | Y                           |                       |
| 9-7-301.2                             | CO Emissions Limit  | Y                           |                       |
| 9-7-503                               | Records   | Y                           |                       |
| <b>40 CFR, Part 63, Subpart DDDDD</b> | <b>National Emission Standards for Hazardous Air Pollutants: Industrial, Commercial, and Institutional Boilers and Process Heaters (1/31/13)</b>                                | Y                           | See 63.7495(c)        |
| <b>BAAQMD Condition #503</b>          |   |                             |                       |
| Part 1                                | Natural Gas Only (Cumulative Increase)  | Y                           |                       |
| Part 2                                | Fuel Gas Flow Meter Requirement (Cumulative Increase)   | Y                           |                       |
| Part 3b                               | NOx Limits (9-7-301, 9-7-307.5)   | Y                           |                       |
| Part 7                                | NOx Source Test Requirement (9-7-301.1)   | Y                           |                       |
| Part 8                                | Recordkeeping Requirement (2-6-501, 9-7-301.1)  | Y                           |                       |

## IV. Source-Specific Applicable Requirements

**Table IV – AH**  
**Source-Specific Applicable Requirements**  
**S-461, Plant 663 R-401 Reactor, Abated by A-96, B-405 Acid Absorber & Tails**  
**S-462, Plant 663 R-402 Reactor, Abated by A-96, B-405 Acid Absorber & Tails**  
**Tower – vapor recovery**  
**S-463, Plant 663 F-403 Separator**

| <b>Applicable Requirement</b>      | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|------------------------------------|---|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 6, Rule 1</b> | <b>Particulate Matter and Visible Emissions (12/5/07)</b>   |                                    |                              |
| 6-1-301                            | Ringelmann Number 1 Limitation  | N                                  |                              |
| 6-1-305                            | Visible Particles   | N                                  |                              |
| 6-1-310                            | Particulate Weight Limitation   | N                                  |                              |
| 6-1-311                            | General Operations  | N                                  |                              |
| 6-1-401                            | Appearance of Emissions   | N                                  |                              |
| <b>SIP Regulation 6</b>            | <b>Particulate Matter and Visible Emissions (9/4/98)</b>  |                                    |                              |
| 6-301                              | Ringelmann Number 1 Limitation  | Y                                  |                              |
| 6-305                              | Visible Particles   | Y                                  |                              |
| 6-310                              | Particulate Weight Limitation   | Y                                  |                              |
| 6-311                              | General Operations  | Y                                  |                              |
| 6-401                              | Appearance of Emissions   | Y                                  |                              |
| <b>40 CFR Part 63, Subpart MMM</b> | <b>National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production (6/23/1999), See MACT Summary Tables at End of Section IV.</b> | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – AI**  
**Source-Specific Applicable Requirements**  
**S-465, Product Dryer**  
**Abated by A-95, F-413 Bag Filter and A-114, Vacuum System with Condenser**

| Applicable Requirement             | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|---|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 6, Rule 1</b> | <b>Particulate Matter and Visible Emissions (12/5/07)</b>   |                             |                       |
| 6-1-301                            | Ringelmann Number 1 Limitation  | N                           |                       |
| 6-1-305                            | Visible Particles   | N                           |                       |
| 6-1-310                            | Particulate Weight Limitation   | N                           |                       |
| 6-1-311                            | General Operations  | N                           |                       |
| 6-1-401                            | Appearance of Emissions   | N                           |                       |
| <b>SIP Regulation 6</b>            | <b>Particulate Matter and Visible Emissions (9/4/98)</b>  |                             |                       |
| 6-301                              | Ringelmann Number 1 Limitation  | Y                           |                       |
| 6-305                              | Visible Particles   | Y                           |                       |
| 6-310                              | Particulate Weight Limitation   | Y                           |                       |
| 6-311                              | General Operations  | Y                           |                       |
| 6-401                              | Appearance of Emissions   | Y                           |                       |
| BAAQMD Condition #23250            |   |                             |                       |
| Part 1                             | Abatement Requirement (Cumulative Increase, Regulation 6, Rule 1)   | Y                           |                       |
| Part 2                             | Requirement to measure pressure differential across A-95 Bag Filter. (6-1-301, 6-1-310, 6-1-311, 2-1-403) | Y                           |                       |
| Part 3                             | Requirement to inspect A-95 on a weekly basis. (2-1-403)  | Y                           |                       |
| Part 4                             | Recordkeeping requirements. (Regulation 1-441)  | Y                           |                       |

## IV. Source-Specific Applicable Requirements

**Table IV – AJ**  
**Source-Specific Applicable Requirements**  
**S-474, Plant 421 - Verdict Reactor R-210,**  
**Abated by A-98, B-202 Reactor Vent Scrubber,**  
**A-99, B-203 Scrubber, routed to S-694 Reaction/HCl Absorption System**  
**S-476, Plant 421 Trifluoro,**  
**Abated by A-97, B-201 Organic Scrubber, and A-100, B-230 Scrubber**

| Applicable Requirement              | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date  |
|-------------------------------------|---|-----------------------------|--|
| <b>BAAQMD Regulation 6, Rule 1</b>  | <b>Particulate Matter and Visible Emissions (12/5/07)</b>   |                             |  |
| 6-1-301                             | Ringelmann Number 1 Limitation  | N                           |  |
| 6-1-305                             | Visible Particles   | N                           |  |
| 6-1-310                             | Particulate Weight Limitation   | N                           |  |
| 6-1-311                             | General Operations  | N                           |  |
| 6-1-401                             | Appearance of Emissions   | N                           |  |
| <b>SIP Regulation 6</b>             | <b>Particulate Matter and Visible Emissions (9/4/98)</b>  |                             |  |
| 6-301                               | Ringelmann Number 1 Limitation  | Y                           |  |
| 6-305                               | Visible Particles   | Y                           |  |
| 6-310                               | Particulate Weight Limitation   | Y                           |  |
| 6-311                               | General Operations  | Y                           |  |
| 6-401                               | Appearance of Emissions   | Y                           |  |
| <b>BAAQMD Regulation 8, Rule 2</b>  | <b>Organic Compounds – Miscellaneous Operations (7/20/05)</b>   |                             |  |
| 8-2-301                             | Miscellaneous Operations  | Y                           |  |
| <b>40 CFR Part 63, Subpart FFFF</b> | <b>National Emission Standards for Hazardous Air Pollutants for – Miscellaneous Organic Chemical Manufacturing, See MACT Summary Tables at End of Section IV.</b> | <b>Y</b>                    | <b>compliance by 4 years, 6 months from Title V Renewal permit issuance date</b> |



#### IV. Source-Specific Applicable Requirements

**Table IV – AK**  
**Source-Specific Applicable Requirements**  
**S-482, Carbon Tetrachloride Rail Car Loading**  
**Abated by S-336 or S-389, Thermal Oxidizers**

| <b>Applicable Requirement</b>      | <b>Regulation Title or Description of Requirement</b>                             | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|------------------------------------|---|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 8, Rule 6</b> | <b>Organic Compounds - Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)</b> |                                    |                              |
| 8-6-114                            | Exemption, Maintenance and Repair   | Y                                  |                              |
| 8-6-302                            | Bulk Plant Limitations  | Y                                  |                              |
| 8-6-302.1                          | Vapor Recovery Requirement  | Y                                  |                              |
| 8-6-302.2                          | Submerged Fill Requirement  | Y                                  |                              |
| 8-6-304                            | Deliveries to Storage Tanks   | Y                                  |                              |
| 8-6-305                            | Delivery Vehicle Requirements   | Y                                  |                              |
| 8-6-306                            | Equipment Maintenance   | Y                                  |                              |
| 8-6-307                            | Operating Practices   | Y                                  |                              |
| 8-6-501                            | Records   | Y                                  |                              |
| <b>BAAQMD Condition #11276</b>     |   |                                    |                              |
| Part 1                             | Abatement Requirement (8-6-302, 8-6-304)  | Y                                  |                              |
| Part 2                             | Vapor-tight Connections (8-6-306)   | Y                                  |                              |
| Part 5                             | Leak Inspection (8-6-306)   | Y                                  |                              |
| Part 6                             | Records (2-1-403, 2-6-501, 8-6-306, 8-6-501.2)                                    | Y                                  |                              |

## IV. Source-Specific Applicable Requirements

**Table IV – AL**  
**Source-Specific Applicable Requirements**  
**S-483, Carbon Tetrachloride Rail Car Loading**  
**Abated by S-336 or S-389, Thermal Oxidizers**

| <b>Applicable Requirement</b>      | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|------------------------------------|--|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 8, Rule 6</b> | <b>Organic Compounds - Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)</b>              |                                    |                              |
| 8-6-114                            | Exemption, Maintenance and Repair  | Y                                  |                              |
| 8-6-302                            | Bulk Plant Limitations   | Y                                  |                              |
| 8-6-302.1                          | Vapor Recovery Requirement   | Y                                  |                              |
| 8-6-302.2                          | Submerged Fill Requirement   | Y                                  |                              |
| 8-6-304                            | Deliveries to Storage Tanks  | Y                                  |                              |
| 8-6-305                            | Delivery Vehicle Requirements  | Y                                  |                              |
| 8-6-306                            | Equipment Maintenance  | Y                                  |                              |
| 8-6-307                            | Operating Practices  | Y                                  |                              |
| 8-6-501                            | Records  | Y                                  |                              |
| <b>BAAQMD Condition #11276</b>     |  |                                    |                              |
| Part 1                             | Abatement Requirement (8-6-302, 8-6-304)   | Y                                  |                              |
| Part 2                             | Vapor-tight Connections (8-6-306)  | Y                                  |                              |
| Part 5                             | Leak Inspection (8-6-306)  | Y                                  |                              |
| Part 6                             | Records (2-1-403, 2-6-501, 8-6-306, 8-6-501.2)   | Y                                  |                              |
| <b>BAAQMD Condition #24779</b>     |  |                                    |                              |
| Part 1                             | Fugitive Component Count (Cumulative Increase, Offsets, Regulation 2-5)                        | Y                                  |                              |
| Part 2                             | Leak Standard for Valves (Regulation 8-18)   | Y                                  |                              |
| Part 3                             | Leak Standard for Flanges (Regulation 8-18)  | Y                                  |                              |
| Part 4                             | Fugitive component inspection frequency (Cumulative Increase, Regulation 8-18, Regulation 2-5) | Y                                  |                              |
| Part 5                             | POC emission limit. (Cumulative Increase, Offsets)   | Y                                  |                              |
| Part 6                             | Reporting based on component leak rate (Cumulative Increase, Offsets)                          | Y                                  |                              |
| Part 7                             | Recordkeeping (Recordkeeping, Offsets)   | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – AM  
 Source-Specific Applicable Requirements  
 S-492, T-403 Environmental Services  
 Pressure Tank >75m3**

| <b>Applicable Requirement</b>     | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-----------------------------------|---|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 8 Rule 5</b> | <b>Organic Compounds – Storage of Organic Liquids (10/18/06)</b>                                |                                    |                              |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service                                      | N                                  |                              |
| 8-5-112                           | Limited Exemption, Tanks in Operation   | N                                  |                              |
| 8-5-301                           | Storage Tank Control Requirements   | N                                  |                              |
| 8-5-306                           | Requirements for Approved Emission Control Systems (when operated with emission control system) | N                                  |                              |
| 8-5-307                           | Requirements for Pressure Tanks and Blanketed Tanks   | N                                  |                              |
| 8-5-328                           | Tank Degassing Requirements   | N                                  |                              |
| 8-5-331                           | Tank Cleaning Requirements  | N                                  |                              |
| 8-5-501                           | Records   | N                                  |                              |
| 8-5-501.1                         | Type and Amount of Liquids Stored, Blanket Gases, TVP   | N                                  |                              |
| <b>SIP Regulation 8 Rule 5</b>    | <b>Organic Compounds – Storage of Organic Liquids (06/05/03)</b>                                |                                    |                              |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service                                      | Y                                  |                              |
| 8-5-112                           | Limited Exemption, Tanks in Operation   | Y                                  |                              |
| 8-5-301                           | Storage Tank Control Requirements   | Y                                  |                              |
| 8-5-306                           | Requirements for Approved Emission Control Systems (when operated with emission control system) | Y                                  |                              |
| 8-5-307                           | Requirements for Pressure Tanks and Blanketed Tanks (when operated as pressure tank)            | Y                                  |                              |
| 8-5-328                           | Tank Degassing Requirements   | Y                                  |                              |
| 8-5-501                           | Records   | Y                                  |                              |
| 8-5-501.1                         | Type and Amount of Liquids Stored, Blanket Gases, TVP   | Y                                  |                              |
| 8-5-503                           | Portable Hydrocarbon Detector   | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – AN  
 Source-Specific Applicable Requirements  
 S-496, T-241 Storage Tank Specialty Chemicals  
 Pressure Tank < 75 m3**

| <b>Applicable Requirement</b>     | <b>Regulation Title or Description of Requirement</b>                  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-----------------------------------|--|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 8 Rule 5</b> | <b>Organic Compounds – Storage of Organic Liquids (10/18/06)</b>       |                                    |                              |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service             | N                                  |                              |
| 8-5-112                           | Limited Exemption, Tanks in Operation                                  | N                                  |                              |
| 8-5-301                           | Storage Tank Control Requirements                                      | N                                  |                              |
| 8-5-307                           | Requirements for Pressure Tanks and Blanketed Tanks                    | N                                  |                              |
| 8-5-328                           | Tank Degassing Requirements  | N                                  |                              |
| 8-5-331                           | Tank Cleaning Requirements   | N                                  |                              |
| 8-5-501                           | Records  | N                                  |                              |
| 8-5-501.1                         | Type and Amount of Liquids Stored, Blanket Gases, TVP                  | N                                  |                              |
| <b>SIP Regulation 8 Rule 5</b>    | <b>Organic Compounds – Storage of Organic Liquids (06/05/03)</b>       |                                    |                              |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service             | Y                                  |                              |
| 8-5-112                           | Limited Exemption, Tanks in Operation                                  | Y                                  |                              |
| 8-5-301                           | Storage Tank Control Requirements                                      | Y                                  |                              |
| 8-5-307                           | Requirements for Pressure Tanks and Blanketed Tanks                    | Y                                  |                              |
| 8-5-328                           | Tank Degassing Requirements  | Y                                  |                              |
| 8-5-501                           | Records  | Y                                  |                              |
| 8-5-501.1                         | Type and Amount of Liquids Stored, Blanket Gases, TVP                  | Y                                  |                              |
| 8-5-503                           | Portable Hydrocarbon Detector  | Y                                  |                              |
| <b>BAAQMD Condition #722</b>      |  |                                    |                              |
| Part 1                            | Safety Relief Valve and Rupture Disk Requirement (Cumulative Increase) | Y                                  |                              |
| Part 2                            | Reporting Requirement (Cumulative Increase)                            | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – AO**  
**Source-Specific Applicable Requirements**  
**S-504, Chlorinolysis Train 1**  
**Abated by A-400 (S-400), Thermal Oxidizer R-901**  
**Followed by A-401, Acid Adsorber B-901 and A-79, Packed Bed Scrubber B-902**

| Applicable Requirement      | Regulation Title or Description of Requirement                             | Federally Enforceable (Y/N) | Future Effective Date |
|-----------------------------|--|-----------------------------|-----------------------|
| BAAQMD Regulation 8, Rule 2 | Organic Compounds – Miscellaneous Operations (7/20/05)                     |                             |                       |
| 8-2-301                     | Miscellaneous Operations   | Y                           |                       |
| 40 CFR Part 64              | Compliance Assurance Monitoring (See CAM Table at the end of this section) | Y                           |                       |
| BAAQMD Condition #2213      |  |                             |                       |
| Part 4                      | Pre-Abatement Organic Emission Limit and Monitoring (Cumulative Increase)  | Y                           |                       |
| Part 7                      | Abatement Requirement (Cumulative Increase, 8-2-301)                       | Y                           |                       |
| Part 12                     | Recordkeeping Requirement (2-1-403, 2-6-501)                               | Y                           |                       |

**Table IV – AP**  
**Source-Specific Applicable Requirements**  
**S-505, Chlorinolysis Train 2**  
**Abated by A-400 (S-400), Thermal Oxidizer R-901**  
**Followed by A-401, Acid Adsorber B-901 and A-79, Packed Bed Scrubber B-902**

| Applicable Requirement      | Regulation Title or Description of Requirement                             | Federally Enforceable (Y/N) | Future Effective Date |
|-----------------------------|--|-----------------------------|-----------------------|
| BAAQMD Regulation 8, Rule 2 | Organic Compounds – Miscellaneous Operations (7/20/05)                     |                             |                       |
| 8-2-301                     | Miscellaneous Operations   | Y                           |                       |
| 40 CFR Part 64              | Compliance Assurance Monitoring (See CAM Table at the end of this section) | Y                           |                       |
| BAAQMD Condition #2213      |  |                             |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – AP**  
**Source-Specific Applicable Requirements**  
**S-505, Chlorinolysis Train 2**  
**Abated by A-400 (S-400), Thermal Oxidizer R-901**  
**Followed by A-401, Acid Adsorber B-901 and A-79, Packed Bed Scrubber B-902**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>      | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|--|------------------------------------|------------------------------|
| Part 5                        | Pre-Abatement Organic Emission Limit (Cumulative Increase) | Y                                  |                              |
| Part 7                        | Abatement Requirement (Cumulative Increase, 8-2-301)       | Y                                  |                              |
| Part 12                       | Recordkeeping Requirement (2-1-403, 2-6-501)               | Y                                  |                              |

**Table IV – AQ**  
**Source-Specific Applicable Requirements**  
**S-519, Chlorinated Pyridine Storage Tank, T-502A [<75 m3]**  
**S-520, Chlorinated Pyridine Storage Tank, T-501B [<75 m3]**  
**Each abated by S-389, Sym-Tet Thermal Oxidizer or**  
**Operated as Pressure Tanks if S-389 is not operating**

| <b>Applicable Requirement</b>     | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-----------------------------------|---|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 8 Rule 5</b> | <b>Organic Compounds – Storage of Organic Liquids (10/18/06)</b>                                |                                    |                              |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service                                      | N                                  |                              |
| 8-5-112                           | Limited Exemption, Tanks in Operation   | N                                  |                              |
| 8-5-301                           | Storage Tank Control Requirements   | N                                  |                              |
| 8-5-306                           | Requirements for Approved Emission Control Systems (when operated with emission control system) | N                                  |                              |
| 8-5-307                           | Requirements for Pressure Tanks and Blanketed Tanks   | N                                  |                              |
| 8-5-328                           | Tank Degassing Requirements   | N                                  |                              |
| 8-5-331                           | Tank Cleaning Requirements  | N                                  |                              |
| 8-5-501                           | Records   | N                                  |                              |
| 8-5-501.1                         | Type and Amount of Liquids Stored, Blanket Gases, TVP   | N                                  |                              |
| <b>SIP Regulation 8 Rule 5</b>    | <b>Organic Compounds – Storage of Organic Liquids (06/05/03)</b>                                |                                    |                              |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service                                      | Y                                  |                              |
| 8-5-112                           | Limited Exemption, Tanks in Operation   | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – AQ**  
**Source-Specific Applicable Requirements**  
**S-519, Chlorinated Pyridine Storage Tank, T-502A [<75 m3]**  
**S-520, Chlorinated Pyridine Storage Tank, T-501B [<75 m3]**  
**Each abated by S-389, Sym-Tet Thermal Oxidizer or**  
**Operated as Pressure Tanks if S-389 is not operating**

| <b>Applicable Requirement</b>      | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|------------------------------------|---|------------------------------------|------------------------------|
| 8-5-301                            | Storage Tank Control Requirements   | Y                                  |                              |
| 8-5-306                            | Requirements for Approved Emission Control Systems (when operated with emission control system) | Y                                  |                              |
| 8-5-307                            | Requirements for Pressure Tanks and Blanketed Tanks (when operated as a pressure tank)          | Y                                  |                              |
| 8-5-328                            | Tank Degassing Requirements   | Y                                  |                              |
| 8-5-501                            | Records   | Y                                  |                              |
| 8-5-501.1                          | Type and Amount of Liquids Stored, Blanket Gases, TVP   | Y                                  |                              |
| 8-5-503                            | Portable Hydrocarbon Detector   | Y                                  |                              |
| <b>BAAQMD Regulation 8 Rule 18</b> | <b>Organic Compounds – Equipment Leaks (9/15/04)</b>  |                                    |                              |
| 8-18-113                           | Limited Exemption, Initial Boiling Point  | Y                                  |                              |
| <b>BAAQMD Condition #1748</b>      |   |                                    |                              |
| Part 1                             | Abatement Requirement (Cumulative Increase)   | Y                                  |                              |
| Part 2                             | No Detectable Emissions (Cumulative Increase)   | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – AR  
 Source-Specific Applicable Requirements  
 S-521, Water Treatment System – Steam Stripper  
 Abated by S-336 or S-389, Thermal Oxidizers**

| <b>Applicable Requirement</b>      | <b>Regulation Title or Description of Requirement</b>         | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|------------------------------------|---|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 8, Rule 2</b> | <b>Organic Compounds – Miscellaneous Operations (7/20/05)</b> |                                    |                              |
| 8-2-301                            | Miscellaneous Operations                                      | Y                                  |                              |
| <b>BAAQMD Condition #1785</b>      |   |                                    |                              |
| Part 1                             | Vapor Tight (Cumulative Increase)                             | Y                                  |                              |
| Part 2                             | Abatement Requirement (Cumulative Increase, 8-2-301)          | Y                                  |                              |
| Part 3                             | Shutdown (Cumulative Increase, 8-2-301)                       | Y                                  |                              |
| Part 4                             | Recordkeeping (Cumulative Increase, 2-6-501, 8-2-301)         | Y                                  |                              |



#### IV. Source-Specific Applicable Requirements

**Table IV – AS  
 Source-Specific Applicable Requirements  
 S-530, T-902 HCl Storage Tank  
 Abated by A-400 (S-400) R-901 Thermal Oxidizer**

| <b>Applicable Requirement</b>      | <b>Regulation Title or Description of Requirement</b>     | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|------------------------------------|---|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 6, Rule 1</b> | <b>Particulate Matter and Visible Emissions (12/5/07)</b> |                                    |                              |
| 6-1-301                            | Ringelmann Number 1 Limitation                            | N                                  |                              |
| 6-1-305                            | Visible Particles   | N                                  |                              |
| 6-1-310                            | Particulate Weight Limitation                             | N                                  |                              |
| 6-1-311                            | General Operations  | N                                  |                              |
| 6-1-401                            | Appearance of Emissions                                   | N                                  |                              |
| <b>SIP BAAQMD Regulation 6</b>     | <b>Particulate Matter and Visible Emissions (9/4/98)</b>  |                                    |                              |
| 6-301                              | Ringelmann Number 1 Limitation                            | Y                                  |                              |
| 6-305                              | Visible Particles   | Y                                  |                              |
| 6-310                              | Particulate Weight Limitation                             | Y                                  |                              |
| 6-311                              | General Operations  | Y                                  |                              |
| 6-401                              | Appearance of Emissions                                   | Y                                  |                              |

## IV. Source-Specific Applicable Requirements

**Table IV – AT**  
**Source-Specific Applicable Requirements**  
**S-576, HCl Storage Tank, T-122**  
**Abated by A-87, HCl Absorber and A-85, B-102 Absorber in series, followed by A-199, Manufacturing Services Scrubber B-12**

| <b>Applicable Requirement</b>         | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|---------------------------------------|--|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 6, Rule 1</b>    | <b>Particulate Matter and Visible Emissions (12/5/07)</b>  |                                    |                              |
| 6-1-301                               | Ringelmann Number 1 Limitation   | N                                  |                              |
| 6-1-305                               | Visible Particles  | N                                  |                              |
| 6-1-310                               | Particulate Weight Limitation  | N                                  |                              |
| 6-1-311                               | General Operations   | N                                  |                              |
| 6-1-401                               | Appearance of Emissions  | N                                  |                              |
| <b>SIP Regulation 6</b>               | <b>Particulate Matter and Visible Emissions (9/4/98)</b>   |                                    |                              |
| 6-301                                 | Ringelmann Number 1 Limitation   | Y                                  |                              |
| 6-305                                 | Visible Particles  | Y                                  |                              |
| 6-310                                 | Particulate Weight Limitation  | Y                                  |                              |
| 6-311                                 | General Operations   |                                    |                              |
| 6-401                                 | Appearance of Emissions  | Y                                  |                              |
| <b>40 CFR, Part 63, Subpart NNNNN</b> | <b>National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003), See MACT Summary Tables at End of Section IV.</b> | Y                                  |                              |
| <b>BAAQMD Condition #17985</b>        |  |                                    |                              |
| Part 3                                | Abatement Requirement (Regulation 6-310 and 7-300/2-1-403)   | Y                                  |                              |
| Part 4                                | No Detectable Leaks (Regulation 6-310 and 7-300/2-1-403)   | Y                                  |                              |
| Part 5                                | Operating Requirement When A87, A85, or A199 Out of Service (Regulation 6-310 and 7-300/2-1-403)   | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – AU**  
**Source-Specific Applicable Requirements**  
**S-580, Specialty Chemicals Storage Tank, T-3A**  
**S-581, Specialty Chemicals Storage Tank, T-3B**  
**S-582, Specialty Chemicals Storage Tank, T-215**  
**S-583, Specialty Chemicals Storage Tank, T-200**  
**Each abated by A-140, Specialty Chemicals Pressure Storage Tanks Vapor**  
**Return System**

| <b>Applicable Requirement</b>     | <b>Regulation Title or Description of Requirement</b>            | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-----------------------------------|--|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 8 Rule 5</b> | <b>Organic Compounds – Storage of Organic Liquids (10/18/06)</b> |                                    |                              |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service       | N                                  |                              |
| 8-5-112                           | Limited Exemption, Tanks in Operation                            | N                                  |                              |
| 8-5-301                           | Storage Tank Control Requirements                                | N                                  |                              |
| 8-5-307                           | Requirements for Pressure Tanks and Blanketed Tanks              | N                                  |                              |
| 8-5-328                           | Tank Degassing Requirements                                      | N                                  |                              |
| 8-5-331                           | Tank Cleaning Requirements                                       | N                                  |                              |
| 8-5-501                           | Records  | N                                  |                              |
| 8-5-501.1                         | Type and Amount of Liquids Stored, Blanket Gases, TVP            | N                                  |                              |
| <b>SIP Regulation 8 Rule 5</b>    | <b>Organic Compounds – Storage of Organic Liquids (06/05/03)</b> |                                    |                              |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service       | Y                                  |                              |
| 8-5-112                           | Limited Exemption, Tanks in Operation                            | Y                                  |                              |
| 8-5-301                           | Storage Tank Control Requirements                                | Y                                  |                              |
| 8-5-307                           | Requirements for Pressure Tanks and Blanketed Tanks              | Y                                  |                              |
| 8-5-328                           | Tank Degassing Requirements                                      | Y                                  |                              |
| 8-5-501                           | Records  | Y                                  |                              |
| 8-5-501.1                         | Type and Amount of Liquids Stored, Blanket Gases, TVP            | Y                                  |                              |
| <b>BAAQMD Condition #3195</b>     |  |                                    |                              |
| Part 1                            | Abatement Requirement (2-1-403)                                  | Y                                  |                              |
| Part 2                            | Vapor Tight (8-5-307)  | Y                                  |                              |
| Part 3                            | Vapor pressure ≤ 0.5 psia (2-1-301)                              | Y                                  |                              |
| Part 4                            | Recordkeeping Requirement (2-1-403, 2-6-501)                     | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – AV  
 Source-Specific Applicable Requirements  
 S-584, Drum Filling Station  
 Filling Abated by A-139, Venturi Scrubber**

| <b>Applicable Requirement</b>      | <b>Regulation Title or Description of Requirement</b>                             | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|------------------------------------|---|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 8, Rule 2</b> | <b>Organic Compounds – Miscellaneous Operations (6/15/94)</b>                     |                                    |                              |
| 8-2-301                            | Miscellaneous Operations – for the cleaning operations                            | Y                                  |                              |
| <b>BAAQMD Regulation 8, Rule 6</b> | <b>Organic Compounds - Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)</b> |                                    |                              |
| 8-6-110                            | Exemption, Low Vapor Pressure Liquids – for the loading operations                | Y                                  |                              |
| 8-6-116                            | Exemption, Small Transportable Containers   | Y                                  |                              |
| 8-6-503                            | Burden of Proof   | Y                                  |                              |
| <b>BAAQMD Condition #3500</b>      |   |                                    |                              |
| Part 1                             | Abatement Requirement   | Y                                  |                              |

## IV. Source-Specific Applicable Requirements

**Table IV – AW**  
**Source-Specific Applicable Requirements**  
**S-593, Plant 640 Section 1, Abated by A-146, B-3000 Scrubber and A-147, B-3210 Scrubber**  
**S-594, Plant 640 Section 2, Abated by A-147, B-3210 Scrubber**  
**S-595, Plant 640 Section 3, Abated by A-149, B-1303 Packed Column**  
**S-596, Plant 640 Section 4, Abated by A-147, B-3210 Scrubber and A-148, B-3200 B-3201 Packed Columns**

| Applicable Requirement             | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date  |
|------------------------------------|--|-----------------------------|--|
| <b>BAAQMD Regulation 8, Rule 2</b> | <b>Organic Compounds – Miscellaneous Operations (7/20/05)</b>  |                             |  |
| 8-2-301                            | Miscellaneous Operations   | Y                           |  |
| 40 CFR Part 63, Subpart FFFF       | National Emission Standards for Hazardous Air Pollutants for – Miscellaneous Organic Chemical Manufacturing, See MACT Summary Tables at End of Section IV. | Y                           | <b>compliance by 4 years, 6 months from Title V Renewal permit issuance date</b> |
| <b>BAAQMD Condition #4780</b>      |  |                             |  |
| Part 1                             | POC Emission Limit (Cumulative Increase)   | Y                           |  |
| Part 2                             | Toxic Compound Emission Limit (Regulation 2, Rule 5)   | N                           |  |
| Part 3                             | Ammonia Emission Limit (Regulation 2, Rule 5)  | N                           |  |
| Part 5                             | Unidentified Emissions (Regulation 2, Rule 5)  | N                           |  |
| Part 11                            | Maximum Annual Rail Car Shipments (Cumulative Increase)  | Y                           |  |
| Part 12                            | Detectable Off-property Odors (7-301)  | N                           |  |
| Part 13                            | Handling of Product at Tank Truck Loading (Cumulative Increase; Regulation 2, Rule 5)  | N                           |  |
| Part 14                            | Product Loading Requirements (Cumulative Increase, Regulation 2, Rule 5)   | Y                           |  |
| Part 16                            | Recordkeeping Requirement (Cumulative Increase, 2-6-501)   | Y                           |  |
| Part 17                            | Abatement Requirements (Cumulative Increase)   | Y                           |  |
| Part 18                            | Source Test Requirement (Cumulative Increase)  | Y                           |  |
| Part 19                            | Abatement Requirement after MEI Phase I startup.   | Y                           |  |
| Part 20                            | Calculation of emissions from MEI Plant 640 to demonstrate compliance  | Y                           |  |

#### IV. Source-Specific Applicable Requirements

**Table IV – AW**  
**Source-Specific Applicable Requirements**  
**S-593, Plant 640 Section 1, Abated by A-146, B-3000 Scrubber and A-147, B-3210 Scrubber**  
**S-594, Plant 640 Section 2, Abated by A-147, B-3210 Scrubber**  
**S-595, Plant 640 Section 3, Abated by A-149, B-1303 Packed Column**  
**S-596, Plant 640 Section 4, Abated by A-147, B-3210 Scrubber and A-148, B-3200 B-3201 Packed Columns**

| Applicable Requirement | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------|---|-----------------------------|-----------------------|
|                        | with part 1.  |                             |                       |
| Part 24                | Provide final component count for MEI Phase II modifications. Include revised fugitive emission calculations for MEI Plant 640. | Y                           |                       |

**Table IV – AX**  
**Source-Specific Applicable Requirements**  
**S-604, Tank Truck Loading Facility Plant 640**  
**Abated by A-157, Vapor Return for Truck Loading Facility – Vapor Balance**

| Applicable Requirement             | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|--|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 8, Rule 6</b> | <b>Organic Compounds - Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)</b>        |                             |                       |
| 8-6-110                            | Exemption  | Y                           |                       |
| 8-6-503                            | Burden of Proof  | Y                           |                       |
| <b>BAAQMD Condition #4780</b>      |  |                             |                       |
| Part 5                             | Unidentified Emission Requirements (Regulation 2, Rule 5)                                | N                           |                       |
| Part 6                             | No Detectable Emissions (Cumulative Increase, Regulation 2, Rule 5)                      | Y                           |                       |
| Part 13                            | Material Handling and Tank Truck Trips Limit (Cumulative Increase, Regulation 2, Rule 5) | N                           |                       |
| Part 16                            | Recordkeeping Requirement (Cumulative Increase, 6-301, 2-6-501)                          | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – AY**  
**Source-Specific Applicable Requirements**  
**S-607, Storage Tank, T-1904**  
**Abated by A-147, B-3210 Scrubber**

| <b>Applicable Requirement</b>     | <b>Regulation Title or Description of Requirement</b>            | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-----------------------------------|--|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 8 Rule 5</b> | <b>Organic Compounds – Storage of Organic Liquids (10/18/06)</b> |                                    |                              |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service       | N                                  |                              |
| 8-5-112                           | Limited Exemption, Tanks in Operation                            | N                                  |                              |
| 8-5-301                           | Storage Tank Control Requirements                                | N                                  |                              |
| 8-5-307                           | Requirements for Pressure Tanks and Blanketed Tanks              | N                                  |                              |
| 8-5-328                           | Tank Degassing Requirements                                      | N                                  |                              |
| 8-5-331                           | Tank Cleaning Requirements                                       | N                                  |                              |
| 8-5-501                           | Records  | N                                  |                              |
| 8-5-501.1                         | Type and Amount of Liquids Stored, Blanket Gases, TVP            | N                                  |                              |
| <b>SIP Regulation 8 Rule 5</b>    | <b>Organic Compounds – Storage of Organic Liquids (06/05/03)</b> |                                    |                              |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service       | Y                                  |                              |
| 8-5-112                           | Limited Exemption, Tanks in Operation                            | Y                                  |                              |
| 8-5-301                           | Storage Tank Control Requirements                                | Y                                  |                              |
| 8-5-307                           | Requirements for Pressure Tanks and Blanketed Tanks              | Y                                  |                              |
| 8-5-328                           | Tank Degassing Requirements                                      | Y                                  |                              |
| 8-5-501                           | Records  | Y                                  |                              |
| 8-5-501.1                         | Type and Amount of Liquids Stored, Blanket Gases, TVP            | Y                                  |                              |
| 8-5-503                           | Portable Hydrocarbon Detector                                    | Y                                  |                              |
| <b>BAAQMD Condition #4780</b>     |  |                                    |                              |
| Part 17                           | Abatement Requirement (Cumulative Increase)                      |                                    |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – AZ**  
**Source-Specific Applicable Requirements**  
**S-620, HCL Truck Loading Operation**  
**Abated by A-165, HCl Truck Loading Scrubber System**

| <b>Applicable Requirement</b>         | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|---------------------------------------|--|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 6, Rule 1</b>    | <b>Particulate Matter and Visible Emissions (12/5/07)</b>  |                                    |                              |
| 6-1-301                               | Ringelmann Number 1 Limitation   | N                                  |                              |
| 6-1-305                               | Visible Particles  | N                                  |                              |
| 6-1-310                               | Particulate Weight Limitation  | N                                  |                              |
| 6-1-311                               | General Operations   | N                                  |                              |
| 6-1-401                               | Appearance of Emissions  | N                                  |                              |
| <b>SIP Regulation 6</b>               | <b>Particulate Matter and Visible Emissions (9/4/98)</b>   |                                    |                              |
| 6-301                                 | Ringelmann Number 1 Limitation   | Y                                  |                              |
| 6-305                                 | Visible Particles  | Y                                  |                              |
| 6-310                                 | Particulate Weight Limitation  | Y                                  |                              |
| 6-311                                 | General Operations   | Y                                  |                              |
| 6-401                                 | Appearance of Emissions  | Y                                  |                              |
| <b>40 CFR, Part 63, Subpart NNNNN</b> | <b>National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003), See MACT Summary Tables at End of Section IV.</b> | Y                                  |                              |
| <b>BAAQMD Condition #4945</b>         |  |                                    |                              |
| Part 1                                | Abatement Requirement (2-1-403)  | Y                                  |                              |
| Part 2                                | Visible Emissions (6-301)  | Y                                  |                              |
| Part 3                                | Records (2-6-501, 6-301)   | Y                                  |                              |



#### IV. Source-Specific Applicable Requirements

**Table IV – BA**  
**Source-Specific Applicable Requirements**  
**S-622, Tank Truck Loading, Chlorinated Pyridine**  
**Abated by A-167, Vapor Return for Truck Loading Facility – Vapor Balance**

| <b>Applicable Requirement</b>      | <b>Regulation Title or Description of Requirement</b>                             | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|------------------------------------|---|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 8, Rule 2</b> | <b>Organic Compounds – Miscellaneous Operations (6/15/94)</b>                     |                                    |                              |
| 8-2-301                            | Miscellaneous Operations – for the cleaning operations                            | Y                                  |                              |
| <b>BAAQMD Regulation 8, Rule 6</b> | <b>Organic Compounds - Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)</b> |                                    |                              |
| 8-6-110                            | Exemption   | Y                                  |                              |
| 8-6-503                            | Burden of Proof   | Y                                  |                              |
| <b>BAAQMD Condition #5384</b>      |   |                                    |                              |
| Part 1                             | Abatement Requirement   | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – BB**  
**Source-Specific Applicable Requirements**  
**[Pressure Tank < 75 m3, Storing liquids with vapor pressure ≤ 0.5 psia]**  
**S-625, T-610 Perc Expansion Tank,**  
**Abated by A-400 (S-400), Thermal Oxidizer R-901**

| Applicable Requirement               | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date |
|--------------------------------------|--|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 8 Rule 5</b>    | <b>Organic Compounds – Storage of Organic Liquids (10/18/06)</b>   |                             |                       |
| 8-5-111                              | Limited Exemption, Tank Removal From and Return to Service   | N                           |                       |
| 8-5-112                              | Limited Exemption, Tanks in Operation  | N                           |                       |
| 8-5-301                              | Storage Tank Control Requirements  | N                           |                       |
| 8-5-307                              | Requirements for Pressure Tanks and Blanketed Tanks  | N                           |                       |
| 8-5-328                              | Tank Degassing Requirements  | N                           |                       |
| 8-5-331                              | Tank Cleaning Requirements   | N                           |                       |
| 8-5-501                              | Records  | N                           |                       |
| 8-5-501.1                            | Type and Amount of Liquids Stored, Blanket Gases, TVP  | N                           |                       |
| <b>SIP Regulation 8 Rule 5</b>       | <b>Organic Compounds – Storage of Organic Liquids (06/05/03)</b>   |                             |                       |
| 8-5-301                              | Storage Tank Control Requirements  | Y                           |                       |
| 8-5-307                              | Requirements for Pressure Tanks and Blanketed Tanks  | Y                           |                       |
| 8-5-328                              | Tank Degassing Requirements  | Y                           |                       |
| 8-5-501                              | Records  | Y                           |                       |
| 8-5-501.1                            | Type and Amount of Liquids Stored, Blanket Gases, TVP  | Y                           |                       |
| <b>40 CFR, Part 63, Subpart EEEE</b> | <b>National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline) (2/3/2004), See MACT Summary Tables at End of Section IV.</b> | Y                           |                       |
| <b>BAAQMD Condition #21059</b>       |  |                             |                       |
| Part 1                               | Restriction on vapor pressure to ≤ 0.5 psia (2-1-301)  | Y                           |                       |
| Part 2                               | Recordkeeping Requirement (2-1-301)  | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – BC**  
**Source-Specific Applicable Requirements**  
**S-631, Portable Resin Drier, D-203C**  
**Abated by S-336, Manufacturing Services Thermal Oxidizer**

| Applicable Requirement | Regulation Title or Description of Requirement                            | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------|---|-----------------------------|-----------------------|
| 40 CFR Part 64         | Compliance Assurance Monitoring (See CAM Table at the end of the section) | Y                           |                       |
| BAAQMD Condition #5336 |   |                             |                       |
| Part 1                 | Abatement Requirement (Cumulative Increase)                               | Y                           |                       |
| Part 2                 | No Detectable Fugitive Emissions (Cumulative Increase)                    | Y                           |                       |
| Part 3                 | Recordkeeping Requirement (Cumulative Increase, 2-6-501)                  | Y                           |                       |

**Table IV – BD**  
**Source-Specific Applicable Requirements**  
**S-633, Water Treatment Carbon Beds Regeneration**  
**Abated by S-336, Manufacturing Services Thermal Oxidizer or S-389,**  
**Sym-Tet Thermal Oxidizer**

| Applicable Requirement      | Regulation Title or Description of Requirement                               | Federally Enforceable (Y/N) | Future Effective Date |
|-----------------------------|--|-----------------------------|-----------------------|
| BAAQMD Regulation 8, Rule 1 | Organic Compounds – General Provisions (6/15/94)                             |                             |                       |
| 8-1-110.3                   | Exemptions   | Y                           |                       |
| 40 CFR Part 64              | Compliance Assurance Monitoring (See CAM Table at the end of the section)    | Y                           |                       |
| BAAQMD Condition #5722      |  |                             |                       |
| Part 1                      | Detectable Emissions (Regulation 2, Rule 5, 8-1-110.3/2-1-403)               | Y                           |                       |
| Part 2                      | Abatement Requirement (Regulation 2, Rule 5, 8-1-110.3/2-1-403)              | Y                           |                       |
| Part 3                      | Shut Down (Regulation 2, Rule 5, 8-1-110.3/2-1-403)                          | Y                           |                       |
| Part 4                      | Recordkeeping Requirement (Regulation 2, Rule 5, 2-6-501, 8-1-110.3/2-1-403) | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – BE**  
**Source-Specific Applicable Requirements**  
**S-641, Groundwater Treatment Plant Decant Tank, T-440 [< 75 m3]**  
**Abated by S-336 or S-389, Thermal Oxidizers**

| <b>Applicable Requirement</b>     | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-----------------------------------|---|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 8 Rule 5</b> | <b>Organic Compounds – Storage of Organic Liquids (10/18/06)</b>                                |                                    |                              |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service                                      | N                                  |                              |
| 8-5-112                           | Limited Exemption, Tanks in Operation   | N                                  |                              |
| 8-5-301                           | Storage Tank Control Requirements   | N                                  |                              |
| 8-5-306                           | Requirements for Approved Emission Control Systems (when operated with emission control system) | N                                  |                              |
| 8-5-307                           | Requirements for Pressure Tanks and Blanketed Tanks   | N                                  |                              |
| 8-5-328                           | Tank Degassing Requirements   | N                                  |                              |
| 8-5-331                           | Tank Cleaning Requirements  | N                                  |                              |
| 8-5-501                           | Records   | N                                  |                              |
| 8-5-501.1                         | Type and Amount of Liquids Stored, Blanket Gases, TVP   | N                                  |                              |
| <b>SIP Regulation 8 Rule 5</b>    | <b>Organic Compounds – Storage of Organic Liquids (06/05/03)</b>                                |                                    |                              |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service                                      | Y                                  |                              |
| 8-5-112                           | Limited Exemption, Tanks in Operation   | Y                                  |                              |
| 8-5-301                           | Storage Tank Control Requirements   | Y                                  |                              |
| 8-5-306                           | Requirements for Approved Emission Control Systems (when operated with emission control system) | Y                                  |                              |
| 8-5-307                           | Requirements for Pressure Tanks and Blanketed Tanks (when operated as pressure tank)            | Y                                  |                              |
| 8-5-328                           | Tank Degassing Requirements   | Y                                  |                              |
| 8-5-501                           | Records   | Y                                  |                              |
| 8-5-501.1                         | Type and Amount of Liquids Stored, Blanket Gases, TVP   | Y                                  |                              |
| 8-5-503                           | Portable Hydrocarbon Detector   | Y                                  |                              |
| <b>BAAQMD Condition #1785</b>     |   |                                    |                              |
| Part 1                            | Vapor-tight Connections (Cumulative Increase)   | Y                                  |                              |
| Part 2                            | Abatement Requirement (Cumulative Increase, 8-2-301)  | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – BF**  
**Source-Specific Applicable Requirements**  
**S-644, Hydrochloric Acid Storage Tank, T-34A**  
**S-645, Hydrochloric Acid Storage Tank, T-34B**  
**Both abated by A-179, X-39/B-39 Scrubber System or S-336,**  
**Manufacturing Services Thermal Oxidizer**

| Applicable Requirement             | Regulation Title or Description of Requirement            | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|---|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 6, Rule 1</b> | <b>Particulate Matter and Visible Emissions (12/5/07)</b> |                             |                       |
| 6-1-301                            | Ringelmann Number 1 Limitation                            | N                           |                       |
| 6-1-305                            | Visible Particles   | N                           |                       |
| 6-1-310                            | Particulate Weight Limitation                             | N                           |                       |
| 6-1-311                            | General Operations  | N                           |                       |
| 6-1-401                            | Appearance of Emissions                                   | N                           |                       |
| <b>SIP Regulation 6</b>            | <b>Particulate Matter and Visible Emissions (9/4/98)</b>  |                             |                       |
| 6-301                              | Ringelmann Number 1 Limitation                            | N                           |                       |
| 6-305                              | Visible Particles   | Y                           |                       |
| 6-310                              | Particulate Weight Limitation                             | Y                           |                       |
| 6-311                              | General Operations  |                             |                       |
| 6-401                              | Appearance of Emissions                                   | Y                           |                       |
| <b>BAAQMD Condition #7775</b>      |   |                             |                       |
| Part 1                             | Annual Combined Throughput Limit (2-1-403)                | Y                           |                       |
| Part 2                             | Abatement Requirement (2-1-403)                           | Y                           |                       |
| Part 5                             | Recordkeeping Requirement (2-1-403, 2-6-501, 6-301)       | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – BG**  
**Source-Specific Applicable Requirements**  
**S-646, 36% Hydrochloric Acid Tank Truck Loading Operation**  
**Abated by A-180, HCl Tank Truck Loading Vapor Return Line – Vapor Balance**  
**to A-179, X-39/B-39 Scrubber System or S-644, T-34A 36% HCl Storage Tank or**  
**S-645, T-34B 36% HCl Storage Tank or S-336,**  
**Manufacturing Services Thermal Oxidizer**

| Applicable Requirement                | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date |
|---------------------------------------|--|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 6, Rule 1</b>    | <b>Particulate Matter and Visible Emissions (12/5/07)</b>  |                             |                       |
| 6-1-301                               | Ringelmann Number 1 Limitation   | N                           |                       |
| 6-1-305                               | Visible Particles  | N                           |                       |
| 6-1-310                               | Particulate Weight Limitation  | N                           |                       |
| 6-1-311                               | General Operations   | N                           |                       |
| 6-1-401                               | Appearance of Emissions  | N                           |                       |
| <b>SIP Regulation 6</b>               | <b>Particulate Matter and Visible Emissions (9/4/98)</b>   |                             |                       |
| 6-301                                 | Ringelmann Number 1 Limitation   | Y                           |                       |
| 6-305                                 | Visible Particles  | Y                           |                       |
| 6-310                                 | Particulate Weight Limitation  | Y                           |                       |
| 6-311                                 | General Operations   | Y                           |                       |
| 6-401                                 | Appearance of Emissions  | Y                           |                       |
| <b>40 CFR, Part 63, Subpart NNNNN</b> | <b>National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003), See MACT Summary Tables at End of Section IV.</b> | Y                           |                       |
| <b>BAAQMD Condition #7775</b>         |  |                             |                       |
| Part 3                                | Annual Throughput Limitation (2-1-403)   | Y                           |                       |
| Part 4                                | Abatement Requirement (2-1-403)  | Y                           |                       |
| Part 5                                | Recordkeeping Requirement (2-1-403, 2-6-501, 6-301)  | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – BH**  
**Source-Specific Applicable Requirements**  
**S-647, Catalytic Hydrogen Chloride Plant**  
**Followed by S-648, Hydrogen Chloride Absorber E-277**  
**Vents Abated by A-181, B-278 Packed Bed Column,**  
**Followed by A-182, B-279 Packed Bed Column,**  
**Followed by A**  
**S-336, Manufacturing Services Thermal Oxidizer**

| <b>Applicable Requirement</b>         | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|---------------------------------------|--|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 8, Rule 2</b>    | <b>Organic Compounds – Miscellaneous Operations (7/20/05)</b>  |                                    |                              |
| 8-2-301                               | Miscellaneous Operations   | Y                                  |                              |
| <b>40 CFR, Part 63, Subpart NNNNN</b> | <b>National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003), See MACT Summary Tables at End of Section IV.</b> | Y                                  |                              |
| <b>BAAQMD Condition #8894</b>         |  |                                    |                              |
| Part 3                                | Venting Requirement (Cumulative Increase, Regulation 2, Rule 5)  | Y                                  |                              |
| Part 4                                | Pump Specifications (Cumulative Increase, Regulation 2, Rule 5)  | Y                                  |                              |
| Part 5                                | Pressure Relief Valve Specification (Cumulative Increase, Regulation 2, Rule 5)  | Y                                  |                              |
| Part 6                                | Valve Specification (Cumulative Increase, Regulation 2, Rule 5)  | Y                                  |                              |
| Part 8                                | Recordkeeping Requirement (Cumulative Increase, Regulation 2, Rule 5, 2-6-501)   | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – BI**  
**Source-Specific Applicable Requirements**  
**S-648, Hydrogen Chloride Absorber, E-277**  
**Abated by A-181, B-278 Packed Bed Column,**  
**Followed by A-182, B-279 Packed Bed Column,**  
**Followed by**  
**S-336, Manufacturing Services Thermal Oxidizer**

| Applicable Requirement                | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date |
|---------------------------------------|--|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 6, Rule 1</b>    | <b>Particulate Matter and Visible Emissions (12/5/07)</b>  |                             |                       |
| 6-1-301                               | Ringelmann Number 1 Limitation   | N                           |                       |
| 6-1-305                               | Visible Particles  | N                           |                       |
| 6-1-310                               | Particulate Weight Limitation  | N                           |                       |
| 6-1-311                               | General Operations   | N                           |                       |
| 6-1-401                               | Appearance of Emissions  | N                           |                       |
| <b>SIP Regulation 6</b>               | <b>Particulate Matter and Visible Emissions (9/4/98)</b>   |                             |                       |
| 6-301                                 | Ringelmann Number 1 Limitation   | Y                           |                       |
| 6-305                                 | Visible Particles  | Y                           |                       |
| 6-310                                 | Particulate Weight Limitation  | Y                           |                       |
| 6-311                                 | General Operations   | Y                           |                       |
| 6-401                                 | Appearance of Emissions  | Y                           |                       |
| <b>40 CFR, Part 63, Subpart NNNNN</b> | <b>National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003), See MACT Summary Tables at End of Section IV.</b> | Y                           |                       |
| <b>BAAQMD Condition #8894</b>         |  |                             |                       |
| Part 10                               | Abatement Requirement (Cumulative Increase, Regulation 2, Rule 5)  | Y                           |                       |
| Part 11                               | Monitoring of Organic Concentration (Cumulative Increase, Regulation 2, Rule 5)  | Y                           |                       |
| Part 12                               | Monitoring and Shutdown (Cumulative Increase, Regulation 2, Rule 5)  | Y                           |                       |
| Part 13                               | Annual POC and HCl Emission Limits (Cumulative Increase, Regulation 2, Rule 5)   | Y                           |                       |
| Part 14                               | Recordkeeping Requirement (Cumulative Increase, Regulation 2, Rule 5, 2-6-501)   | Y                           |                       |



#### IV. Source-Specific Applicable Requirements

**Table IV – BJ**  
**Source-Specific Applicable Requirements**  
**S-649, 36% Hydrogen Chloride Acid Storage Tank, V-277**  
**Abated by A-181, B-278 Packed Bed Column, followed by A-182, B-279 Packed Bed**  
**Column, followed by S-336, Manufacturing Services Thermal Oxidizer**

| <b>Applicable Requirement</b>         | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|---------------------------------------|--|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 6, Rule 1</b>    | <b>Particulate Matter and Visible Emissions (12/5/07)</b>  |                                    |                              |
| 6-1-301                               | Ringelmann Number 1 Limitation   | N                                  |                              |
| 6-1-305                               | Visible Particles  | N                                  |                              |
| 6-1-310                               | Particulate Weight Limitation  | N                                  |                              |
| 6-1-311                               | General Operations   | N                                  |                              |
| 6-1-401                               | Appearance of Emissions  | N                                  |                              |
| <b>SIP Regulation 6</b>               | <b>Particulate Matter and Visible Emissions (9/4/98)</b>   |                                    |                              |
| 6-301                                 | Ringelmann Number 1 Limitation   | Y                                  |                              |
| 6-305                                 | Visible Particles  | Y                                  |                              |
| 6-310                                 | Particulate Weight Limitation  | Y                                  |                              |
| 6-311                                 | General Operations   | Y                                  |                              |
| 6-401                                 | Appearance of Emissions  | Y                                  |                              |
| <b>40 CFR, Part 63, Subpart NNNNN</b> | <b>National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003), See MACT Summary Tables at End of Section IV.</b> | Y                                  |                              |
| <b>BAAQMD Condition #8894</b>         |  |                                    |                              |
| Part 16                               | Abatement Requirement (Regulation 2, Rule 5)   | N                                  |                              |
| Part 17                               | Recordkeeping Requirement (Regulation 2, Rule 5)   | N                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – BK**  
**Source-Specific Applicable Requirements**  
**S-650, 36% Hydrogen Chloride Acid Storage Tank, V-280A**  
**S-651, 36% Hydrogen Chloride Acid Storage Tank, V-280B**  
**S-652, 36% Hydrogen Chloride Acid Storage Tank, V-280C**  
**Abated by A-181, B-278 Packed Bed Column, followed by A-182,**  
**B-279 Packed Bed Column, followed by S-336,**  
**Manufacturing Services Thermal Oxidizer**

| Applicable Requirement                | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date |
|---------------------------------------|--|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 6, Rule 1</b>    | <b>Particulate Matter and Visible Emissions (12/5/07)</b>  |                             |                       |
| 6-1-301                               | Ringelmann Number 1 Limitation   | N                           |                       |
| 6-1-305                               | Visible Particles  | N                           |                       |
| 6-1-310                               | Particulate Weight Limitation  | N                           |                       |
| 6-1-311                               | General Operations   | N                           |                       |
| 6-1-401                               | Appearance of Emissions  | N                           |                       |
| <b>SIP Regulation 6</b>               | <b>Particulate Matter and Visible Emissions (9/4/98)</b>   |                             |                       |
| 6-301                                 | Ringelmann Number 1 Limitation   | Y                           |                       |
| 6-305                                 | Visible Particles  | Y                           |                       |
| 6-310                                 | Particulate Weight Limitation  | Y                           |                       |
| 6-311                                 | General Operations   | Y                           |                       |
| 6-401                                 | Appearance of Emissions  | Y                           |                       |
| <b>40 CFR, Part 63, Subpart NNNNN</b> | <b>National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003), See MACT Summary Tables at End of Section IV.</b> | Y                           |                       |
| <b>BAAQMD Condition #8894</b>         |  |                             |                       |
| Part 19                               | Abatement Requirement (Regulation 2, Rule 5)   | N                           |                       |
| Part 20                               | Recordkeeping Requirement (Regulation 2, Rule 5, 2-6-501)  | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – BL  
 Source-Specific Applicable Requirements  
 S-654, Abrasive Blasting Operation  
 Abated by A-185, Eagle Containment Screens**

| <b>Applicable Requirement</b>       | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------------|--|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 6, Rule 1</b>  | <b>Particulate Matter and Visible Emissions (12/5/07)</b>  |                                    |                              |
| 6-1-301                             | Ringelmann Number 1 Limitation   | N                                  |                              |
| 6-1-305                             | Visible Particles  | N                                  |                              |
| 6-1-311                             | General Operations   | N                                  |                              |
| <b>SIP Regulation 6</b>             | <b>Particulate Matter and Visible Emissions (9/4/98)<br/>(for permanent confined blasting operation)</b>       |                                    |                              |
| 6-301                               | Ringelmann Number 1 Limitation   | Y                                  |                              |
| 6-305                               | Visible Particles  | Y                                  |                              |
| 6-311                               | General Operations   | Y                                  |                              |
| <b>BAAQMD Regulation 12, Rule 4</b> | <b>Miscellaneous Standards of Performance – Sandblasting (7/11/90)<br/>(for unconfined blasting operation)</b> |                                    |                              |
| 12-4-301                            | Ringelmann 1 Limitation  | N                                  |                              |
| 12-4-302                            | Ringelmann 2 Limitation  | Y                                  |                              |
| 12-4-303                            | Performance Standards for Abrasive Blasting for Traffic Markers  | Y                                  |                              |
| 12-4-304                            | Performance Standards for Other Abrasive Blasting  | Y                                  |                              |
| 12-4-305                            | Performance Standards for Abrasives  | Y                                  |                              |
| 12-4-306                            | Certification of Abrasives   | Y                                  |                              |
| 12-4-308                            | Facility Blasting Operations   | N                                  |                              |
| 12-4-309                            | Stucco and Concrete  | N                                  |                              |
| <b>SIP Regulation 12, Rule 4</b>    | <b>Miscellaneous Standards of Performance – Sandblasting (9/2/81)</b>  |                                    |                              |
| 12-4-301                            | Ringelmann 1 Limitation  | Y                                  |                              |
| <b>BAAQMD Condition #8591</b>       |  |                                    |                              |
| Part 1                              | Annual Throughput Limitation for Confined Abrasive Blasting (Cumulative Increase)                              | Y                                  |                              |
| Part 2                              | Annual Throughput Limitation for Unconfined Abrasive Blasting (Cumulative Increase, BACT)                      | Y                                  |                              |
| Part 3                              | Recordkeeping Requirement (Cumulative Increase, BACT, 2-6-501)   | Y                                  |                              |
| Part 4                              | Certified Blast Media (BACT)   | Y                                  |                              |
| Part 5                              | Inspection/Repair (6-1-301/2-1-403)  | Y                                  |                              |

## IV. Source-Specific Applicable Requirements

**Table IV – BM**  
**Source-Specific Applicable Requirements**  
**S-662, Storage Tank, T-243. S-663, Storage Tank, T-242**  
**S-664, Storage Tank, T-244. Abated by A-192, Vent Recovery System, S-336,**  
**Manufacturing Services Thermal Oxidizer, S-389, Sym-Tet Thermal Oxidizer, or**  
**Pressure Valve Setting**

| Applicable Requirement               | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date |
|--------------------------------------|--|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 8 Rule 5</b>    | <b>Organic Compounds – Storage of Organic Liquids (10/18/06)</b>   |                             |                       |
| 8-5-111                              | Limited Exemption, Tank Removal From and Return to Service   | N                           |                       |
| 8-5-112                              | Limited Exemption, Tanks in Operation  | N                           |                       |
| 8-5-301                              | Storage Tank Control Requirements  | N                           |                       |
| 8-5-307                              | Requirements for Pressure Tanks and Blanketed Tanks  | N                           |                       |
| 8-5-328                              | Tank Degassing Requirements  | N                           |                       |
| 8-5-331                              | Tank Cleaning Requirements   | N                           |                       |
| 8-5-501                              | Records  | N                           |                       |
| 8-5-501.1                            | Type and Amount of Liquids Stored, Blanket Gases, TVP  | N                           |                       |
| <b>SIP Regulation 8 Rule 5</b>       | <b>Organic Compounds – Storage of Organic Liquids (6/5/03)</b>   |                             |                       |
| 8-5-111                              | Limited Exemption, Tank Removal From and Return to Service   | Y                           |                       |
| 8-5-112                              | Limited Exemption, Tanks in Operation  | Y                           |                       |
| 8-5-301                              | Storage Tank Control Requirements  | Y                           |                       |
| 8-5-307                              | Requirements for Pressure Tanks and Blanketed Tanks  | Y                           |                       |
| 8-5-328                              | Tank Degassing Requirements  | Y                           |                       |
| 8-5-501                              | Records  | Y                           |                       |
| 8-5-501.1                            | Type and Amount of Liquids Stored, Blanket Gases, TVP  | Y                           |                       |
| 8-5-503                              | Portable Hydrocarbon Detector  | Y                           |                       |
| <b>40 CFR, Part 63, Subpart EEEE</b> | <b>National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline) (2/3/2004), See MACT Summary Tables at End of Section IV.</b> | Y                           |                       |
| <b>BAAQMD Condition #14438</b>       |  |                             |                       |
| Part 4                               | Emissions Control (Cumulative Increase, 8-5-307)   | Y                           |                       |
| Part 6                               | A-192 shall emit no more than 1,233 pounds per day of methylene chloride. (BACT)   | Y                           |                       |
| Part 8                               | Recordkeeping Requirements (Cumulative Increase, BACT, 2-6-501)  | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – BN  
 Source-Specific Applicable Requirements  
 S-680, Pressure Tank, T-440**

| <b>Applicable Requirement</b>        | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|--------------------------------------|--|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 8 Rule 5</b>    | <b>Organic Compounds – Storage of Organic Liquids (10/18/06)</b>   |                                    |                              |
| 8-5-111                              | Limited Exemption, Tank Removal From and Return to Service   | N                                  |                              |
| 8-5-112                              | Limited Exemption, Tanks in Operation  | N                                  |                              |
| 8-5-301                              | Storage Tank Control Requirements  | N                                  |                              |
| 8-5-307                              | Requirements for Pressure Tanks and Blanketed Tanks  | N                                  |                              |
| 8-5-328                              | Tank Degassing Requirements  | N                                  |                              |
| 8-5-331                              | Tank Cleaning Requirements   | N                                  |                              |
| 8-5-501                              | Records  | N                                  |                              |
| 8-5-501.1                            | Type and Amount of Liquids Stored, Blanket Gases, TVP  | N                                  |                              |
| <b>SIP Regulation 8 Rule 5</b>       | <b>Organic Compounds – Storage of Organic Liquids (06/05/03)</b>   |                                    |                              |
| 8-5-111                              | Limited Exemption, Tank Removal From and Return to Service   | Y                                  |                              |
| 8-5-112                              | Limited Exemption, Tanks in Operation  | Y                                  |                              |
| 8-5-301                              | Storage Tank Control Requirements  | Y                                  |                              |
| 8-5-307                              | Requirements for Pressure Tanks and Blanketed Tanks  | Y                                  |                              |
| 8-5-328                              | Tank Degassing Requirements  | Y                                  |                              |
| 8-5-501                              | Records  | Y                                  |                              |
| 8-5-501.1                            | Type and Amount of Liquids Stored, Blanket Gases, TVP  | Y                                  |                              |
| 8-5-503                              | Portable Hydrocarbon Detector  | Y                                  |                              |
| <b>BAAQMD Regulation 8 Rule 6</b>    | <b>Organic Compounds – Organic Liquid Bulk Terminals and Bulk Plants (02/02/94)</b>  |                                    |                              |
| 8-6-304                              | Deliveries to Storage Tanks  | Y                                  |                              |
| 8-6-501                              | Records  | Y                                  |                              |
| <b>40 CFR, Part 63, Subpart EEEE</b> | <b>National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline) (2/3/2004), See MACT Summary Tables at End of Section IV.</b> | Y                                  |                              |
| <b>BAAQMD Condition #14354</b>       |  |                                    |                              |
| Part 1                               | Annual Throughput Limit (Cumulative Increase)  | Y                                  |                              |
| Part 2                               | Maximum Combined Unloading Events (Cumulative Increase)  | Y                                  |                              |
| Part 3                               | Recordkeeping Requirement (Cumulative Increase, 2-6-501)   | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – BO**  
**Source-Specific Applicable Requirements**  
**S-681, Truck Transfer**  
**Abated by A-191, Carbon Tetrachloride Tank Truck Loading Vapor Return Line –**  
**Vapor Balance**

| <b>Applicable Requirement</b>      | <b>Regulation Title or Description of Requirement</b>                             | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|------------------------------------|---|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 8, Rule 6</b> | <b>Organic Compounds - Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)</b> |                                    |                              |
| 8-6-114                            | Exemption, Maintenance and Repair   | Y                                  |                              |
| 8-6-302                            | Bulk Plant Limitations  | Y                                  |                              |
| 8-6-302.1                          | Vapor Recovery Requirement  | Y                                  |                              |
| 8-6-302.2                          | Submerged Fill Requirement  | Y                                  |                              |
| 8-6-304                            | Deliveries to Storage Tanks   | Y                                  |                              |
| 8-6-305                            | Delivery Vehicle Requirements   | Y                                  |                              |
| 8-6-306                            | Equipment Maintenance   | Y                                  |                              |
| 8-6-307                            | Operating Practices   | Y                                  |                              |
| 8-6-501                            | Records   | Y                                  |                              |
| <b>BAAQMD Condition #14354</b>     |   |                                    |                              |
| Part 4                             | Abatement Requirement (Cumulative Increase)                                       | Y                                  |                              |
| Part 5                             | Leak Check (8-6-302, 8-6-304, 8-6-305, 8-6-306)                                   | Y                                  |                              |
| Part 6                             | Recordkeeping Requirement (2-6-501, 8-6-302, 8-6-304, 8-6-305, 8-6-306)           | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – BP  
 Source-Specific Applicable Requirements  
 S-693, Distillation System  
 Abated by A-194, X-600 Venturi and A-195, B-615 Scrubber**

| <b>Applicable Requirement</b>       | <b>Regulation Title or Description of Requirement</b>                | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------------|--|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 6, Rule 1</b>  | <b>Particulate Matter and Visible Emissions (12/5/07)</b>            |                                    |                              |
| 6-1-301                             | Ringelmann Number 1 Limitation                                       | N                                  |                              |
| 6-1-305                             | Visible Particles  | N                                  |                              |
| 6-1-310                             | Particulate Weight Limitation  | N                                  |                              |
| 6-1-311                             | General Operations   | N                                  |                              |
| 6-1-401                             | Appearance of Emissions  | N                                  |                              |
| <b>SIP Regulation 6</b>             | <b>Particulate Matter and Visible Emissions (9/4/98)</b>             |                                    |                              |
| 6-301                               | Ringelmann Number 1 Limitation                                       | Y                                  |                              |
| 6-305                               | Visible Particles  | Y                                  |                              |
| 6-310                               | Particulate Weight Limitation  | Y                                  |                              |
| 6-311                               | Emission rate Limitation   | Y                                  |                              |
| 6-401                               | Appearance of Emissions  | Y                                  |                              |
| <b>BAAQMD Regulation 8, Rule 2</b>  | <b>Organic Compounds – Miscellaneous Operations (7/20/05)</b>        |                                    |                              |
| 8-2-301                             | Miscellaneous Operations   | Y                                  |                              |
| <b>BAAQMD Regulation 8, Rule 10</b> | <b>Organic Compounds – Process Vessel Depressurization (1/21/04)</b> |                                    |                              |
| 8-10-301                            | Process Vessel Depressurizing  | N                                  |                              |
| 8-10-302                            | Opening of Process Vessels   | N                                  |                              |
| <b>SIP Regulation 8, Rule 10</b>    | <b>Organic Compounds – Process Vessel Depressurization (10/3/84)</b> |                                    |                              |
| 8-10-301                            | Process Vessel Depressurizing  | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – BP**  
**Source-Specific Applicable Requirements**  
**S-693, Distillation System**  
**Abated by A-194, X-600 Venturi and A-195, B-615 Scrubber**

| Applicable Requirement         | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date   |
|--------------------------------|--|-----------------------------|---|
| 40 CFR Part 63, Subpart FFFF   | National Emission Standards for Hazardous Air Pollutants for – Miscellaneous Organic Chemical Manufacturing, See MACT Summary Tables at End of Section IV. | Y                           | compliance by 4 years, 6 months from Title V Renewal permit issuance date |
| <b>BAAQMD Condition #15932</b> |  |                             |   |
| Part 1                         | Annual Combined POC Emission Limit for S-693 and S-694 (Cumulative Increase, Offsets)  | Y                           |   |
| Part 2                         | Abatement Requirement (Regulation 2, Rule 5, Offsets)  | Y                           |   |
| Part 8                         | Recordkeeping Requirement (Cumulative Increase, Offsets, Regulation 2, Rule 5, 2-6-501)  | Y                           |   |



#### IV. Source-Specific Applicable Requirements

**Table IV – BQ  
 Source-Specific Applicable Requirements  
 S-694, Reaction/HCL Absorption System  
 Abated by A-195, B-615 Scrubber**

| <b>Applicable Requirement</b>       | <b>Regulation Title or Description of Requirement</b>                | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------------|--|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 6, Rule 1</b>  | <b>Particulate Matter and Visible Emissions (12/5/07)</b>            |                                    |                              |
| 6-1-301                             | Ringelmann Number 1 Limitation                                       | N                                  |                              |
| 6-1-305                             | Visible Particles  | N                                  |                              |
| 6-1-310                             | Particulate Weight Limitation  | N                                  |                              |
| 6-1-311                             | General Operations   | N                                  |                              |
| 6-1-401                             | Appearance of Emissions  | N                                  |                              |
| <b>SIP Regulation 6</b>             | <b>Particulate Matter and Visible Emissions (9/4/98)</b>             |                                    |                              |
| 6-301                               | Ringelmann Number 1 Limitation                                       | Y                                  |                              |
| 6-305                               | Visible Particles  | Y                                  |                              |
| 6-310                               | Particulate Weight Limitation  | Y                                  |                              |
| 6-311                               | Emission rate Limitation   | Y                                  |                              |
| 6-401                               | Appearance of Emissions  | Y                                  |                              |
| <b>BAAQMD Regulation 8, Rule 2</b>  | <b>Organic Compounds – Miscellaneous Operations (7/20/95)</b>        |                                    |                              |
| 8-2-301                             | Miscellaneous Operations   | Y                                  |                              |
| <b>BAAQMD Regulation 8, Rule 10</b> | <b>Organic Compounds – Process Vessel Depressurization (1/21/04)</b> |                                    |                              |
| 8-10-301                            | Process Vessel Depressurizing  | N                                  |                              |
| 8-10-302                            | Opening of Process Vessels   | N                                  |                              |
| <b>SIP Regulation 8, Rule 10</b>    | <b>Organic Compounds – Process Vessel Depressurization (10/3/84)</b> |                                    |                              |
| 8-10-301                            | Process Vessel Depressurizing  | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – BQ  
 Source-Specific Applicable Requirements  
 S-694, Reaction/HCL Absorption System  
 Abated by A-195, B-615 Scrubber**

| <b>Applicable Requirement</b>       | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b>   |
|-------------------------------------|---|------------------------------------|--|
| <b>40 CFR Part 63, Subpart FFFF</b> | <b>National Emission Standards for Hazardous Air Pollutants for – Miscellaneous Organic Chemical Manufacturing, See MACT Summary Tables at End of Section IV.</b> | <b>Y</b>                           | <b>compliance by 4 years, 6 months from Title V Renewal permit issuance date</b> |
| <b>BAAQMD Condition #15932</b>      |   |                                    |  |
| Part 1                              | Annual Combined POC Emission Limit for S-693 and S-694 (Cumulative Increase, Offsets)   | Y                                  |  |
| Part 6                              | Abatement Requirement (Cumulative Increase, Regulation 2, Rule 5)   | Y                                  |  |
| Part 8                              | Recordkeeping Requirement (Cumulative Increase, Offsets, Regulation 2, Rule 5, 2-6-501)   | Y                                  |  |

#### IV. Source-Specific Applicable Requirements

**Table IV – BR**  
**Source-Specific Applicable Requirements**  
**S-695, Storage Tank, T-580 [Pressure Tank < 75 m3]**

| Applicable Requirement            | Regulation Title or Description of Requirement                                       | Federally Enforceable (Y/N) | Future Effective Date |
|-----------------------------------|--|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 8 Rule 5</b> | <b>Organic Compounds – Storage of Organic Liquids (10/18/06)</b>                     |                             |                       |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service                           | N                           |                       |
| 8-5-112                           | Limited Exemption, Tanks in Operation  | N                           |                       |
| 8-5-301                           | Storage Tank Control Requirements  | N                           |                       |
| 8-5-307                           | Requirements for Pressure Tanks and Blanketed Tanks                                  | N                           |                       |
| 8-5-328                           | Tank Degassing Requirements  | N                           |                       |
| 8-5-331                           | Tank Cleaning Requirements   | N                           |                       |
| 8-5-501                           | Records  | N                           |                       |
| 8-5-501.1                         | Type and Amount of Liquids Stored, Blanket Gases, TVP                                | N                           |                       |
| <b>SIP Regulation 8 Rule 5</b>    | <b>Organic Compounds – Storage of Organic Liquids (06/05/03)</b>                     |                             |                       |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service                           | Y                           |                       |
| 8-5-112                           | Limited Exemption, Tanks in Operation  | Y                           |                       |
| 8-5-301                           | Storage Tank Control Requirements  | Y                           |                       |
| 8-5-307                           | Requirements for Pressure Tanks and Blanketed Tanks                                  | Y                           |                       |
| 8-5-328                           | Tank Degassing Requirements  | Y                           |                       |
| 8-5-501                           | Records  | Y                           |                       |
| 8-5-501.1                         | Type and Amount of Liquids Stored, Blanket Gases, TVP                                | Y                           |                       |
| 8-5-503                           | Portable Hydrocarbon Detector  | Y                           |                       |
| <b>BAAQMD Condition #15932</b>    |  |                             |                       |
| Part 9                            | Annual Combined POC Emission Limit for S-695, S-696, and S-697 (Cumulative Increase) | Y                           |                       |
| Part 10                           | Vapor pressure ≤ 0.5 psia (2-1-301)  | Y                           |                       |
| Part 12                           | Abatement Requirement (Cumulative Increase)  | Y                           |                       |
| Part 13                           | Recordkeeping Requirement (Cumulative Increase, 2-6-501)                             | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – BS**  
**Source-Specific Applicable Requirements**  
**S-696, T-585, Pressure Tank [<75 m3]**

| Applicable Requirement            | Regulation Title or Description of Requirement                                       | Federally Enforceable (Y/N) | Future Effective Date |
|-----------------------------------|--|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 8 Rule 5</b> | <b>Organic Compounds – Storage of Organic Liquids (10/18/06)</b>                     |                             |                       |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service                           | N                           |                       |
| 8-5-112                           | Limited Exemption, Tanks in Operation  | N                           |                       |
| 8-5-301                           | Storage Tank Control Requirements  | N                           |                       |
| 8-5-307                           | Requirements for Pressure Tanks and Blanketed Tanks                                  | N                           |                       |
| 8-5-328                           | Tank Degassing Requirements  | N                           |                       |
| 8-5-331                           | Tank Cleaning Requirements   | N                           |                       |
| 8-5-501                           | Records  | N                           |                       |
| 8-5-501.1                         | Type and Amount of Liquids Stored, Blanket Gases, TVP                                | N                           |                       |
| <b>SIP Regulation 8 Rule 5</b>    | <b>Organic Compounds – Storage of Organic Liquids (06/05/03)</b>                     |                             |                       |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service                           | Y                           |                       |
| 8-5-112                           | Limited Exemption, Tanks in Operation  | Y                           |                       |
| 8-5-301                           | Storage Tank Control Requirements  | Y                           |                       |
| 8-5-307                           | Requirements for Pressure Tanks and Blanketed Tanks                                  | Y                           |                       |
| 8-5-328                           | Tank Degassing Requirements  | Y                           |                       |
| 8-5-501                           | Records  | Y                           |                       |
| 8-5-501.1                         | Type and Amount of Liquids Stored, Blanket Gases, TVP                                | Y                           |                       |
| 8-5-503                           | Portable Hydrocarbon Detector  | Y                           |                       |
| <b>BAAQMD Condition #15932</b>    |  |                             |                       |
| Part 9                            | Annual Combined POC Emission Limit for S-695, S-696, and S-697 (Cumulative Increase) | Y                           |                       |
| Part 10                           | Vapor pressure ≤ 0.5 psia (2-1-301)  | Y                           |                       |
| Part 12                           | Abatement Requirement (Cumulative Increase)  | Y                           |                       |
| Part 13                           | Recordkeeping Requirement (Cumulative Increase, 2-6-501)                             |                             |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – BT  
 Source-Specific Applicable Requirements  
 S-697, ISO Container Loading Operation  
 Abated by Vapor Balance System**

| <b>Applicable Requirement</b>      | <b>Regulation Title or Description of Requirement</b>                                | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|------------------------------------|--|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 8, Rule 6</b> | <b>Organic Compounds - Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)</b>    |                                    |                              |
| 8-6-110                            | Exemption  | Y                                  |                              |
| 8-6-503                            | Burden of Proof  | Y                                  |                              |
| <b>BAAQMD Condition #15932</b>     |  |                                    |                              |
| Part 9                             | Annual Combined POC Emission Limit for S-695, S-696, and S-697 (Cumulative Increase) | Y                                  |                              |
| Part 12                            | Abatement and Inspection Requirement (Cumulative Increase)                           | Y                                  |                              |
| Part 13                            | Recordkeeping Requirement (Cumulative Increase, 2-6-501)                             | Y                                  |                              |

**Table IV – BU  
 Source-Specific Applicable Requirements  
 S-699, Purge Tank/Drum Loading Operation**

| <b>Applicable Requirement</b>      | <b>Regulation Title or Description of Requirement</b>                             | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|------------------------------------|---|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 8, Rule 6</b> | <b>Organic Compounds - Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)</b> |                                    |                              |
| 8-6-110                            | Exemption   | Y                                  |                              |
| 8-6-503                            | Burden of Proof   | Y                                  |                              |
| <b>BAAQMD Condition #15932</b>     |   |                                    |                              |
| Part 14                            | Annual Throughput Limit (Cumulative Increase)                                     | Y                                  |                              |
| Part 15                            | Recordkeeping Requirement (Cumulative Increase, 2-6-501)                          | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – BV**  
**Source-Specific Applicable Requirements**  
**S-701, T-12 at Manufacturing Services**  
**Operated as a Pressure Tank or Vented to S-336,**  
**Manufacturing Services Thermal Oxidizer**

| <b>Applicable Requirement</b>     | <b>Regulation Title or Description of Requirement</b>                               | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-----------------------------------|---|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 8 Rule 5</b> | <b>Organic Compounds – Storage of Organic Liquids (10/18/06)</b>                    |                                    |                              |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service                          | N                                  |                              |
| 8-5-112                           | Limited Exemption, Tanks in Operation   | N                                  |                              |
| 8-5-301                           | Storage Tank Control Requirements   | N                                  |                              |
| 8-5-306                           | Requirements for Approved Emission Control Systems                                  | N                                  |                              |
| 8-5-307                           | Requirements for Pressure Tanks and Blanketed Tanks                                 | N                                  |                              |
| 8-5-501                           | Records   | N                                  |                              |
| 8-5-501.1                         | Type and Amount of Liquids Stored, Blanket Gases, TVP                               | N                                  |                              |
| <b>SIP Regulation 8 Rule 5</b>    | <b>Organic Compounds – Storage of Organic Liquids (06/05/03)</b>                    |                                    |                              |
| 8-5-111                           | Limited Exemption, Tank Removal From and Return to Service                          | Y                                  |                              |
| 8-5-112                           | Limited Exemption, Tanks in Operation   | Y                                  |                              |
| 8-5-301                           | Storage Tank Control Requirements   | Y                                  |                              |
| 8-5-306                           | Requirements for Approved Emission Control Systems                                  | Y                                  |                              |
| 8-5-307                           | Requirements for Pressure Tanks and Blanketed Tanks                                 | Y                                  |                              |
| 8-5-501                           | Records   | Y                                  |                              |
| 8-5-501.1                         | Type and Amount of Liquids Stored, Blanket Gases, TVP                               | Y                                  |                              |
| <b>BAAQMD Regulation 8 Rule 6</b> | <b>Organic Compounds – ORGANIC LIQUID BULK TERMINALS AND BULK PLANTS (02/02/94)</b> |                                    |                              |
| 8-6-304                           | Deliveries to Storage Tanks   | Y                                  |                              |
| 8-6-501                           | Records   | Y                                  |                              |
| <b>BAAQMD Condition #16612</b>    |   |                                    |                              |
| Part 1                            | Annual Throughput Limit (Regulation 2, Rule 5)                                      | N                                  |                              |
| Part 2                            | Venting Requirement (8-5-301, 8-5-306 or 8-5-307)                                   | Y                                  |                              |
| Part 3                            | Recordkeeping Requirement (Regulation 2, Rule 5, 2-6-501, 8-5-501.1)                | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – BW  
 Source-Specific Applicable Requirements  
 S-706, FPI Standby Generator (Diesel)**

| <b>Applicable Requirement</b>      | <b>Regulation Title or Description of Requirement</b>                                 | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|------------------------------------|---|------------------------------------|------------------------------|
| <b>SIP Regulation 1</b>            | <b>General Provisions and Definitions (6/28/99)</b>                                   |                                    |                              |
| 1-110.2                            | Exclusions  | Y                                  |                              |
| <b>BAAQMD Regulation 6, Rule 1</b> | <b>Particulate Matter, General Requirements (12/5/07)</b>                             |                                    |                              |
| 6-1-303                            | Ringelmann Number 2 Limitation  | N                                  |                              |
| 6-1-305                            | Visible Particles   | N                                  |                              |
| 6-1-310                            | Particulate Weight Limitation   | N                                  |                              |
| 6-1-401                            | Appearance of Emissions   | N                                  |                              |
| <b>SIP Regulation 6</b>            | <b>Particulate Matter and Visible Emissions (9/4/98)</b>                              |                                    |                              |
| 6-303                              | Ringelmann Number 2 Limitation  | Y                                  |                              |
| 6-305                              | Visible Particles   | Y                                  |                              |
| 6-310                              | Particulate Weight Limitation   | Y                                  |                              |
| 6-401                              | Appearance of Emissions   | Y                                  |                              |
| <b>BAAQMD Regulation 9, Rule 1</b> | <b>Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)</b>                        |                                    |                              |
| 9-1-301                            | Limitations on Ground Level Operations  | N                                  |                              |
| 9-1-304                            | Fuel Sulfur Content Limitation  | N                                  |                              |
| <b>BAAQMD Regulation 9, Rule 8</b> | <b>Inorganic Gaseous Pollutants-Nitrogen Oxides from Stationary Engines (7/25/07)</b> |                                    |                              |
| 9-8-110                            | Exemptions  |                                    |                              |
| 9-8-110.5                          | Limited Exemption Emergency Standby Engines   | N                                  |                              |
| 9-8-330                            | Emergency Standby Engines, Hours of Operation   | N                                  |                              |
| 9-8-330.1                          | Unlimited hours for emergency use   | N                                  |                              |
| 9-8-330.3                          | 50 hours for reliability and maintenance  | N                                  |                              |
| 9-8-530                            | Emergency standby engines, monitoring and recordkeeping                               | N                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – BW  
 Source-Specific Applicable Requirements  
 S-706, FPI Standby Generator (Diesel)**

| Applicable Requirement              | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date |
|-------------------------------------|---|-----------------------------|-----------------------|
| <b>40 CFR Part 63 Subpart ZZZZ</b>  | <b>National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE) (1/30/2013), See MACT Summary Tables at End of Section IV.</b> | Y                           | See 63.6595(b)        |
| <b>Section 93115, title 17, CCR</b> | <b>Airborne Toxic Control Measure for Stationary Compression Ignition Engines</b>   |                             |                       |
| 93115.3(n)                          | Requirements of 93.115.6(b)(3) does not apply to direct driven fire pump assemblies.  | N                           |                       |
| 93115.5(b)                          | Fuel Requirements   | N                           |                       |
| 93115.10                            | Recordkeeping, Reporting and Monitoring Requirements  | N                           |                       |
| 93115.10(a)                         | Reporting   | N                           |                       |
| 93115.10(c)                         | Demonstration of Compliance with Emission Limits  | N                           |                       |
| 93115.10(e)                         | Monitoring Equipment  | N                           |                       |
| 93115.10(g)                         | Monthly Log: Data Required  | N                           |                       |
| 93115.10(g).                        | Data Log Retention  | N                           |                       |
| 93115.12                            | Tiered Compliance Schedule  | N                           |                       |
| <b>BAAQMD Condition #22850</b>      |   |                             |                       |
| part 1                              | 50 hours/year for reliability-related testing. (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)   | N                           |                       |
| part 2                              | Unlimited Emergency Use, (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)   | N                           |                       |
| part 3                              | Totalizing Meter, (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)  | N                           |                       |
| part 4                              | Recordkeeping, (Stationary Diesel Engine ATCM" section 93115, title 17 CCR, Regulation 2-6-501)   | N                           |                       |
| part 5                              | Near School Conditions, (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)  | N                           |                       |



#### IV. Source-Specific Applicable Requirements

**Table IV – BX**  
**Source-Specific Applicable Requirements**  
**S-707, Diesel Engine, Fire Pump P1A**  
**S-708, Diesel Engine, Fire Pump P1B**  
**S-711, Diesel Engine Backup Generator 223**

| <b>Applicable Requirement</b>      | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|------------------------------------|---|------------------------------------|------------------------------|
| <b>SIP Regulation 1</b>            | <b>General Provisions and Definitions (6/28/99)</b>   |                                    |                              |
| 1-110.2                            | Exclusions  | Y                                  |                              |
| <b>BAAQMD Regulation 6, Rule 1</b> | <b>Particulate Matter, General Requirements (12/5/07)</b>   |                                    |                              |
| 6-1-303                            | Ringelmann Number 2 Limitation  | N                                  |                              |
| 6-1-305                            | Visible Particles   | N                                  |                              |
| 6-1-310                            | Particulate Weight Limitation   | N                                  |                              |
| 6-1-401                            | Appearance of Emissions   | N                                  |                              |
| <b>SIP Regulation 6</b>            | <b>Particulate Matter and Visible Emissions (9/4/98)</b>  |                                    |                              |
| 6-303                              | Ringelmann Number 2 Limitation  | Y                                  |                              |
| 6-305                              | Visible Particles   | Y                                  |                              |
| 6-310                              | Particulate Weight Limitation   | Y                                  |                              |
| 6-401                              | Appearance of Emissions   | Y                                  |                              |
| <b>BAAQMD Regulation 9, Rule 1</b> | <b>Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)</b>  |                                    |                              |
| 9-1-301                            | Limitations on Ground Level Operations  | N                                  |                              |
| 9-1-304                            | Fuel Sulfur Content Limitation  | N                                  |                              |
| <b>BAAQMD Regulation 9, Rule 8</b> | <b>Inorganic Gaseous Pollutants – Nitrogen Oxides from Stationary Engines (7/25/07)</b>   |                                    |                              |
| 9-8-110                            | Exemptions  |                                    |                              |
| 9-8-110.5                          | Limited Exemption Emergency Standby Engines   | N                                  |                              |
| 9-8-330                            | Emergency Standby Engines, Hours of Operation   | N                                  |                              |
| 9-8-330.1                          | Unlimited hours for emergency use   | N                                  |                              |
| 9-8-330.3                          | 50 hours for reliability and maintenance  | N                                  |                              |
| 9-8-530                            | Emergency standby engines, monitoring and recordkeeping   | N                                  |                              |
| <b>40 CFR Part 63 Subpart ZZZZ</b> | <b>National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE) (1/30/2013), See MACT Summary Tables at End of Section IV.</b> | Y                                  | See 63.6595(b)               |

#### IV. Source-Specific Applicable Requirements

**Table IV – BX**  
**Source-Specific Applicable Requirements**  
**S-707, Diesel Engine, Fire Pump P1A**  
**S-708, Diesel Engine, Fire Pump P1B**  
**S-711, Diesel Engine Backup Generator 223**

| <b>Applicable Requirement</b>       | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------------|--|------------------------------------|------------------------------|
| <b>Section 93115, title 17, CCR</b> | <b>Airborne Toxic Control Measure for Stationary Compression Ignition Engines</b>                                  |                                    |                              |
| 93115.3(n)                          | Requirements of 93.115.6(b)(3) does not apply to direct driven fire pump assemblies. (S-707, S-708)                | N                                  |                              |
| 93115.5(b)                          | Fuel Requirements  | N                                  |                              |
| 93115.6(b)(3) (A)                   | PM Emission Standards & Maximum Hours of Operation for Maintenance and Testing (S-711)                             | N                                  |                              |
| 93115.6(b)(3) (B)                   | Applicable Emissions Standards for HC, NO <sub>x</sub> , NMHC+NO <sub>x</sub> , and CO (S-711)                     | N                                  |                              |
| 93115.10                            | Recordkeeping, Reporting and Monitoring Requirements   | N                                  |                              |
| 93115.10(a)                         | Reporting  | N                                  |                              |
| 93115.10(c)                         | Demonstration of Compliance with Emission Limits   | N                                  |                              |
| 93115.10(e)                         | Monitoring Equipment   | N                                  |                              |
| 93115.10(g)                         | Monthly Log: Data Required   | N                                  |                              |
| 93115.10(g).                        | Data Log Retention   | N                                  |                              |
| 93115.12                            | Tiered Compliance Schedule   | N                                  |                              |
| <b>BAAQMD Condition #25675</b>      | This Condition applies to S-707 and S-708.   |                                    |                              |
| part 1                              | 50 hours/year for testing requirements under NFPA 25. (Stationary Diesel Engine ATCM" section 93115, title 17 CCR) | N                                  |                              |
| part 2                              | Unlimited Emergency Use (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)                               | N                                  |                              |
| part 3                              | Totalizing Meter (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)                                      | N                                  |                              |
| part 4                              | Recordkeeping (Stationary Diesel Engine ATCM" section 93115, title 17 CCR, Regulation 2-6-501)                     | N                                  |                              |
| part 5                              | Near School Conditions (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)                                | N                                  |                              |
| <b>BAAQMD Condition #22850</b>      | This Condition applies to S-711.   |                                    |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – BX**  
**Source-Specific Applicable Requirements**  
**S-707, Diesel Engine, Fire Pump P1A**  
**S-708, Diesel Engine, Fire Pump P1B**  
**S-711, Diesel Engine Backup Generator 223**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|---|------------------------------------|------------------------------|
| part 1                        | 50 hours/year for maintenance and testing. (Stationary Diesel Engine ATCM" section 93115, title 17 CCR) | N                                  |                              |
| part 2                        | Unlimited Emergency Use (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)                    | N                                  |                              |
| part 3                        | Totalizing Meter (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)                           | N                                  |                              |
| part 4                        | Recordkeeping (Stationary Diesel Engine ATCM" section 93115, title 17 CCR, Regulation 2-6-501)          | N                                  |                              |
| part 5                        | Near School Conditions (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)                     | N                                  |                              |

**Table IV – BY**  
**Source-Specific Applicable Requirements**  
**S-709, IC Engine Backup Generator (LPG) 471A**

| <b>Applicable Requirement</b>      | <b>Regulation Title or Description of Requirement</b>     | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|------------------------------------|---|------------------------------------|------------------------------|
| <b>SIP Regulation 1</b>            | <b>General Provisions and Definitions (6/28/99)</b>       |                                    |                              |
| 1-110.2                            | Exclusions  | Y                                  |                              |
| <b>BAAQMD Regulation 6, Rule 1</b> | <b>Particulate Matter, General Requirements (12/5/07)</b> |                                    |                              |
| 6-1-303                            | Ringelmann Number 2 Limitation                            | N                                  |                              |
| 6-1-305                            | Visible Particles   | N                                  |                              |
| 6-1-310                            | Particulate Weight Limitation                             | N                                  |                              |
| 6-1-401                            | Appearance of Emissions                                   | N                                  |                              |
| <b>SIP Regulation 6</b>            | <b>Particulate Matter and Visible Emissions (9/4/98)</b>  |                                    |                              |
| 6-303                              | Ringelmann Number 2 Limitation                            | Y                                  |                              |
| 6-305                              | Visible Particles   | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – BY  
 Source-Specific Applicable Requirements  
 S-709, IC Engine Backup Generator (LPG) 471A**

| <b>Applicable Requirement</b>      | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|------------------------------------|--|------------------------------------|------------------------------|
| 6-310                              | Particulate Weight Limitation  | Y                                  |                              |
| 6-401                              | Appearance of Emissions  | Y                                  |                              |
| <b>BAAQMD Regulation 9, Rule 1</b> | <b>Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)</b>   |                                    |                              |
| 9-1-301                            | Limitations on Ground Level Operations   | Y                                  |                              |
| 9-1-302                            | General Emission Limitation  | Y                                  |                              |
| <b>BAAQMD Regulation 9, Rule 8</b> | <b>Inorganic Gaseous Pollutants-Nitrogen Oxides from Stationary Engines (7/25/07)</b>                                  |                                    |                              |
| 9-8-110.5                          | Limited Exemption Emergency Standby Engines  | N                                  |                              |
| 9-8-330                            | Emergency Standby Engines, Hours of Operation  | N                                  |                              |
| 9-8-330.1                          | Unlimited hours for emergency use  | N                                  |                              |
| 9-8-330.3                          | 50 hours for reliability and maintenance   | N                                  |                              |
| <b>40 CFR Part 63 Subpart A</b>    | <b>National Emissions Standards for Hazardous Air Pollutants for Source Categories, Subpart A – General Provisions</b> |                                    |                              |
| 63.1                               | General Applicability of the General Provisions  | Y                                  |                              |
| 63.2                               | Definitions  | Y                                  |                              |
| 63.3                               | Units and Abbreviations  | Y                                  |                              |
| 63.4                               | Prohibited activities and circumvention  | Y                                  |                              |
| 63.6(a)                            | Compliance with standards and maintenance requirements - Applicability   | Y                                  |                              |
| 63.6(c)                            | Compliance dates for existing sources  | Y                                  |                              |
| 63.6(f)(2)                         | Methods for determining compliance   | Y                                  |                              |
| 63.6(f)(3)                         | Finding of compliance  | Y                                  |                              |
| 63.6(g)                            | Use of an alternative nonopacity emission standard   | Y                                  |                              |
| 63.6(i)                            | Compliance extension procedures and criteria   | Y                                  |                              |
| 63.6(j)                            | Presidential compliance exemption  | Y                                  |                              |
| 63.10(a)                           | Recordkeeping and reporting requirements, applicability and general information  | Y                                  |                              |
| 63.10(b)(1)                        | Record retention   | Y                                  |                              |
| 63.10(f)                           | Administrator waiver of recordkeeping or reporting requirements  | Y                                  |                              |
| 63.12                              | State authority and delegations  | Y                                  |                              |
| 63.13                              | Addresses of air pollution control agencies and EPA Regional Offices   | Y                                  |                              |
| 63.14                              | Incorporation by reference   | Y                                  |                              |
| 63.15                              | Availability of information and confidentiality  | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – BY  
 Source-Specific Applicable Requirements  
 S-709, IC Engine Backup Generator (LPG) 471A**

| Applicable Requirement         | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date |
|--------------------------------|--|-----------------------------|-----------------------|
| 40 CFR Part 63 Subpart ZZZZ    | National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE) (1/30/2013), See MACT Summary Tables at End of Section IV. | Y                           | See 63.6595(b)        |
| <b>BAAQMD Condition #19724</b> |  |                             |                       |
| Part 1                         | Operating Limits (9-8-330)   | N                           |                       |
| Part 2                         | Definition of “Emergency Conditions” (9-8-231)   | N                           |                       |
| Part 3                         | Definition of “Reliability-related activities” (9-8-232)   | N                           |                       |
| Part 4                         | Monitoring Requirement (9-8-530)   | N                           |                       |
| Part 5                         | Recordkeeping Requirement (1-441, 2-6-501, 9-1-304, 9-8-530)   | N                           |                       |

**Table IV – BZ  
 Source-Specific Applicable Requirements  
 S-718, Nitrapyrin Plant**

| Applicable Requirement              | Regulation Title or Description of Requirement                 | Federally Enforceable (Y/N) | Future Effective Date |
|-------------------------------------|--|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 8, Rule 18</b> | <b>Organic Compounds – Equipment Leaks (9/15/04)</b>           |                             |                       |
| 8-18-110                            | Exemption, Controlled Seal Systems and Pressure Relief Devices | N                           |                       |
| 8-18-112                            | Exemption, Bulk Plant and Terminal Loading Racks               | N                           |                       |
| 8-18-113                            | Limited Exemption, Initial Boiling Point                       | N                           |                       |
| 8-18-115                            | Limited Exemption, Storage Tanks                               | N                           |                       |
| 8-18-116                            | Limited Exemption, Vacuum Service                              | N                           |                       |
| 8-18-117                            | Limited Exemption, Visual Inspection                           | N                           |                       |
| 8-18-301                            | General  | N                           |                       |
| 8-18-302                            | Valves   | N                           |                       |
| 8-18-303                            | Pumps and Compressors  | N                           |                       |
| 8-18-304                            | Connections  | N                           |                       |
| 8-18-305                            | Pressure Relief Devices  | N                           |                       |
| 8-18-306                            | Non-repairable Equipment                                       | N                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – BZ**  
**Source-Specific Applicable Requirements**  
**S-718, Nitrapyrin Plant**

| <b>Applicable Requirement</b>  | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|--------------------------------|--|------------------------------------|------------------------------|
| 8-18-307                       | Liquid Leak  | N                                  |                              |
| 8-18-401                       | Inspection   | N                                  |                              |
| 8-18-402                       | Identification   | N                                  |                              |
| 8-18-403                       | Visual Inspection Schedule   | N                                  |                              |
| 8-18-404                       | Alternative Inspection Schedule  | N                                  |                              |
| 8-18-502                       | Records  | N                                  |                              |
| <b>BAAQMD Condition #24763</b> |  |                                    |                              |
| Part 1                         | Construct and operate plant as described in Application No. 21858, 26661 and 28555 (2-2-419)             | Y                                  |                              |
| Part 2                         | Final component counts for fugitive components. (Cumulative Increase Offsets, Regulation 2-5)            | Y                                  |                              |
| Part 3                         | Leak standard for valves. (BACT, Regulation 8, Rule 18)  | Y                                  |                              |
| Part 4                         | Leak standard for flanges and connectors. (Regulation 8, Rule 18)  | Y                                  |                              |
| Part 5                         | Leak standard for pumps in organic liquid service. (Regulation 8, Rule 18, Cumulative Increase, Offsets) | Y                                  |                              |
| Part 6                         | Inspection frequency. (2-2-419, Regulation 8, Rule 18)   | Y                                  |                              |
| Part 7                         | POC emission limits for fugitive components. (2-2-419, Cumulative Increase, Offsets)                     | Y                                  |                              |
| Part 8                         | Reporting if leak rate exceeds 5000 ppm of TOC.  | Y                                  |                              |
| Part 9                         | Railcar Shipment Limit (Cumulative Increase)   | N                                  |                              |

## IV. Source-Specific Applicable Requirements

**Table IV – CA**  
**Source-Specific Applicable Requirements**  
**S-720 (T-310) Organic Mix, S-725 (V-250) Aqueous Mix, S-727 (T-11) Gel Phase Mix,**  
**S-728 (T-20) Ethylene Diamine Storage Pressure Tank, S-729 (V-100) Encapsulation**  
**Vessel, S-730 (T-569) Nitrapyrin Formulation Storage, S-731 (T-570) Nitrapyrin**  
**Formulation Storage, S-732 (T-16) Dispersant Tank, S-733 (T-216) Mixing Tank,**  
**S-734 N-Serve TG Isotainer**

| Applicable Requirement            | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date |
|-----------------------------------|--|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 8 Rule 5</b> | <b>Organic Compounds – Storage of Organic Liquids (10/18/06)</b>   |                             |                       |
| 8-5-117                           | Limited Exemption, Vapor Pressure less than or equal to 0.5 psia.  | Y                           |                       |
| 8-5-307.3                         | Requirements for Pressure Relief Devices on Pressure Tanks and for Blanketed Tanks (S728 is the only pressure tank). | Y                           |                       |
| <b>SIP Regulation 8 Rule 5</b>    | <b>Organic Compounds – Storage of Organic Liquids (06/05/03)</b>   |                             |                       |
| 8-5-117                           | Limited Exemption, Vapor Pressure less than or equal to 0.5 psia.  | Y                           |                       |
| 8-5-307.3                         | Requirements for Pressure Relief Devices on Pressure Tanks and for Blanketed Tanks (S728 is the only pressure tank). | Y                           |                       |
| <b>BAAQMD Condition #24763</b>    |  |                             |                       |
| Part 1                            | Construct and operate plant as described in Application No. 21858 (2-2-419)  | Y                           |                       |
| Part 2                            | Final component counts for fugitive components. (Cumulative Increase, Offsets, Regulation 2-5)                       | Y                           |                       |
| Part 6                            | Inspection frequency. (2-2-419, Regulation 8, Rule 18)   | Y                           |                       |
| Part 7                            | POC emission limits for fugitive components. (2-2-419, Cumulative Increase, Offsets)                                 | Y                           |                       |
| Part 8                            | Reporting if leak rate exceeds 5000 ppm of TOC.  | Y                           |                       |
| Part 9                            | Recordkeeping (Offsets, Recordkeeping)   | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – CB**  
**Source-Specific Applicable Requirements**  
**S-1011 AUXILIARY BOILER, A-1011 SELECTIVE CATALYTIC CONVERTER**

| Applicable Requirement             | Regulation Title or Description of Requirement                        | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|---|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 1</b>         | <b>General Provisions and Definitions (5/4/11)</b>                    |                             |                       |
| 1-520                              | Continuous Emission Monitoring  | Y                           |                       |
| 1-520.1                            | Monitoring of NOx, CO <sub>2</sub> or O <sub>2</sub>                  | Y                           |                       |
| 1-520.8                            | Monitors required per Reg. 2-1-403                                    | Y                           |                       |
| 1-522                              | Continuous Emission Monitoring and Recordkeeping Procedures           | Y                           |                       |
| 1-522.1                            | Plans and Specifications  | Y                           |                       |
| 1-522.2                            | Installation Scheduling   | Y                           |                       |
| 1-522.3                            | Performance Testing   | Y                           |                       |
| 1-522.4                            | Periods of Non-operation Greater Than 24 Hours                        | Y                           |                       |
| 1-522.5                            | Daily Calibration of Monitors   | Y                           |                       |
| 1-522.6                            | Accuracy  | Y                           |                       |
| 1-522.7                            | Excesses  | Y                           |                       |
| 1-522.8                            | Monthly Reports   | Y                           |                       |
| 1-522.9                            | Records   | Y                           |                       |
| 1-522.10                           | Monitors Required by Sections 1-521 or 2-1-403                        | Y                           |                       |
| 1-602                              | Area and Continuous Emission Monitoring Requirements                  | Y                           |                       |
| <b>BAAQMD Regulation 2, Rule 1</b> | <b>Regulation 2, Rule 1 - Permits – General Requirements (3/4/09)</b> |                             |                       |
| 2-1-501                            | Monitors  | Y                           |                       |
| <b>BAAQMD Regulation 6, Rule 1</b> | <b>Particulate Matter and Visible Emissions (12/5/07)</b>             |                             |                       |
| 6-1-301                            | Ringelmann Number 1 Limitation  | N                           |                       |
| 6-1-304                            | Tube Cleaning   | N                           |                       |
| 6-1-305                            | Visible Particles   | N                           |                       |
| 6-1-310.3                          | Particulate Weight Limitation   | N                           |                       |
| <b>SIP Regulation 6</b>            | <b>Particulate Matter and Visible Emissions (9/4/98)</b>              |                             |                       |
| 6-301                              | Ringelmann Number 1 Limitation  | Y                           |                       |
| 6-304                              | Tube Cleaning   | Y                           |                       |
| 6-305                              | Visible Particles   | Y                           |                       |
| 6-310.3                            | Particulate Weight Limitation   | Y                           |                       |
| <b>BAAQMD</b>                      |   |                             |                       |



#### IV. Source-Specific Applicable Requirements

**Table IV – CB**  
**Source-Specific Applicable Requirements**  
**S-1011 AUXILIARY BOILER, A-1011 SELECTIVE CATALYTIC CONVERTER**

| <b>Applicable Requirement</b>                | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|--|--|------------------------------------|------------------------------|
| <b>Regulation 9, Rule 1</b>                  | <b>Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)</b>   |                                    |                              |
| 9-1-301                                      | Limitations on Ground Level Concentrations   | Y                                  |                              |
| 9-1-302                                      | General Emission Limitations   | Y                                  |                              |
| <b>BAAQMD Regulation 9, Rule 3</b>           | <b>Inorganic Gaseous Pollutants – Nitrogen Oxides From Heat Transfer Operations (3/17/82)</b>  |                                    |                              |
| 9-3-303                                      | New or Modified Heat Transfer Operation Limits   | N                                  |                              |
| <b>BAAQMD Regulation 9, Rule 7</b>           | <b>Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (5/4/11)</b>   |                                    |                              |
| 9-7-117                                      | Limited Exemption: Devices Rated 75 MMBtu/hr or Higher Limited to 9 ppm NOx.   | N                                  |                              |
| 9-7-307                                      | Final Emissions Limits (Not subject to 9-7-307.6 per 9-7-117)  | N                                  |                              |
| 9-7-311                                      | Insulation Requirements  | N                                  |                              |
| 9-7-312                                      | Stack Gas Temperature Limits   | N                                  |                              |
| 9-7-503                                      | Records  | N                                  |                              |
| 9-7-503.4                                    | Source test records  | N                                  |                              |
| <b>SIP Regulation 9, Rule 7</b>              | <b>Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (12/15/97)</b> |                                    |                              |
| 9-7-301                                      | Emission Limits-Gaseous Fuel   | Y                                  |                              |
| 9-7-301.1                                    | NOx limit  | Y                                  |                              |
| 9-7-301.2                                    | CO limit   | Y                                  |                              |
| 9-7-503                                      | Records  | Y                                  |                              |
| 9-7-503.4                                    | Source test records  | Y                                  |                              |
| <b>BAAQMD Manual of Procedures, Volume V</b> | <b>Continuous Emission Monitoring Policy and Procedures (1/20/82)</b>  |                                    |                              |
| <b>40 CFR 60 Subpart Db</b>                  | <b>Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units (2/27/06)</b>   |                                    |                              |
| 60.44b(a)(1)(i)                              | NOx Emission Limit   | Y                                  |                              |
| 60.44b(h)                                    | NOx limit applicable at all times  | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – CB**  
**Source-Specific Applicable Requirements**  
**S-1011 AUXILIARY BOILER, A-1011 SELECTIVE CATALYTIC CONVERTER**

| <b>Applicable Requirement</b>         | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|---------------------------------------|--|------------------------------------|------------------------------|
| 60.44b(i)                             | Compliance: 24-hr day basis  | Y                                  |                              |
| 60.44b(l)(1)                          | NOx Emission Limit   | Y                                  |                              |
| 60.46b(c)                             | Compliance with NOx limit  | Y                                  |                              |
| 60.46b(a)                             | NOx limits apply at all times  | Y                                  |                              |
| 60.46b(c)                             | Performance test for NOx   | Y                                  |                              |
| 60.46b(e)                             | Performance test for NOx   | Y                                  |                              |
| 60.46b(e)(1)                          | Performance test for NOx (24-hr basis)   | Y                                  |                              |
| 60.46b(e)(3)                          | Averaging time for compliance (24-hr basis)  | Y                                  |                              |
| 60.46b(g)                             | Initial determination of maximum capacity  | Y                                  |                              |
| 60.46b(h)(1)                          | Initial performance test for NOx at maximum capacity   | Y                                  |                              |
| 60.46b(h)(2)                          | Periodic tests for NOx at maximum capacity   | Y                                  |                              |
| 60.46b(h)(i)                          | Reports for 60.46b(g)  | Y                                  |                              |
| 60.48b(f)                             | Standby monitoring   | Y                                  |                              |
| 60.49b(d)                             | Fuel records   | Y                                  |                              |
| 60.49b(g)(5)                          | Records for each day of operation  | Y                                  |                              |
| 60.49b(h)(2)                          | Excess emission reports  | Y                                  |                              |
| 60.49b(o)                             | Records retention for two years  | Y                                  |                              |
| <b>40 CFR Part 63 Subpart DDDDD</b>   | <b>National Emissions Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters (1/31/2013),</b> | <b>Y</b>                           | <b>See 63.7495(c)</b>        |
| <b>BAAQMD Permit Condition #19356</b> |  |                                    |                              |
| Part 1                                | Fuel Specification and Heat Input Rate Limit (BACT, cumulative increase)   | Y                                  |                              |
| Part 2                                | SCR Abatement Requirement (BACT)   | Y                                  |                              |
| Part 3                                | Nitrogen Oxide emission concentration limit (BACT)   | Y                                  |                              |
| Part 4                                | Carbon Monoxide emission concentration limit (BACT)  | Y                                  |                              |
| Part 5                                | Ammonia emission concentration limit (Regulation 2, Rule 5)  | Y                                  |                              |
| Part 6                                | PM10 Mass Emission Limit (BACT)  | Y                                  |                              |
| Part 8                                | Ringelmann No. 1 Limitation (6-301)  | Y                                  |                              |
| Part 9                                | Start-up and Shutdown Exclusion (2-1-403)  | Y                                  |                              |
| Part 10                               | Start-up Duration Limit (2-1-403)  | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – CB**  
**Source-Specific Applicable Requirements**  
**S-1011 AUXILIARY BOILER, A-1011 SELECTIVE CATALYTIC CONVERTER**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>     | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|---|------------------------------------|------------------------------|
| Part 11                       | Shutdown Duration Limit (2-1-403)                         | Y                                  |                              |
| Part 12                       | Source Test Requirement (2-1-403)                         | Y                                  |                              |
| Part 13                       | Annual Mass Emission Limits (cumulative increase)         | Y                                  |                              |
| Part 13a                      | Annual NOx Mass Emission Limit (offsets)                  | Y                                  |                              |
| Part 13b                      | Annual CO Mass Emission Limit (cumulative increase)       | Y                                  |                              |
| Part 13c                      | Annual POC Mass Emission Limit (offsets)                  | Y                                  |                              |
| Part 13d                      | Annual PM10 Mass Emission Limit (offsets)                 | Y                                  |                              |
| Part 13e                      | Annual SO2 Mass Emission Limit (cumulative increase)      | Y                                  |                              |
| Part 14a                      | Exhaust Stack Source Test Sampling Requirements (1-520.1) | Y                                  |                              |
| Part 14b                      | Ammonia Flowmeter Requirement (1-520.1)                   | Y                                  |                              |
| Part 14c                      | NOx, CO, and CO or CO2 CEM Requirement (1-520.1)          | Y                                  |                              |
| Part 14d                      | Heat Input Rate Continuous Recorder (1-520.1)             | Y                                  |                              |
| Part 14e                      | Quarterly Fuel Sulfur Content Analysis (1-520.1)          | Y                                  |                              |
| Part 14f                      | PM10, POC, and NH3 Emission Monitoring (1-520.1)          | Y                                  |                              |
| Part 15                       | Recordkeeping (recordkeeping)                             | Y                                  |                              |

**Table IV – CC**  
**Source-Specific Applicable Requirements**  
**Components**

| <b>Applicable Requirement</b>       | <b>Regulation Title or Description of Requirement</b>          | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------------|--|------------------------------------|------------------------------|
| <b>BAAQMD Regulation 8, Rule 18</b> | <b>Organic Compounds – Equipment Leaks (9/15/04)</b>           |                                    |                              |
| 8-18-110                            | Exemption, Controlled Seal Systems and Pressure Relief Devices | N                                  |                              |
| 8-18-112                            | Exemption, Bulk Plant and Terminal Loading Racks               | N                                  |                              |
| 8-18-113                            | Limited Exemption, Initial Boiling Point                       | N                                  |                              |
| 8-18-115                            | Limited Exemption, Storage Tanks                               | N                                  |                              |
| 8-18-116                            | Limited Exemption, Vacuum Service                              | N                                  |                              |
| 8-18-117                            | Limited Exemption, Visual Inspection                           | N                                  |                              |
| 8-18-301                            | General  | N                                  |                              |
| 8-18-302                            | Valves   | N                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – CC  
 Source-Specific Applicable Requirements  
 Components**

| <b>Applicable Requirement</b>    | <b>Regulation Title or Description of Requirement</b>                         | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|----------------------------------|---|------------------------------------|------------------------------|
| 8-18-303                         | Pumps and Compressors   | N                                  |                              |
| 8-18-304                         | Connections   | N                                  |                              |
| 8-18-305                         | Pressure Relief Devices   | N                                  |                              |
| 8-18-306                         | Non-repairable Equipment  | N                                  |                              |
| 8-18-307                         | Liquid Leak   | N                                  |                              |
| 8-18-401                         | Inspection  | N                                  |                              |
| 8-18-402                         | Identification  | N                                  |                              |
| 8-18-403                         | Visual Inspection Schedule  | N                                  |                              |
| 8-18-404                         | Alternative Inspection Schedule   | N                                  |                              |
| 8-18-502                         | Records   | N                                  |                              |
| <b>SIP Regulation 8, Rule 18</b> | <b>Organic Compounds – Equipment Leaks (6/5/03)</b>                           |                                    |                              |
| 8-18-110                         | Exemption, Controlled Seal Systems and Pressure Relief Devices                | Y                                  |                              |
| 8-18-112                         | Exemption, Bulk Plant and Terminal Loading Racks                              | Y                                  |                              |
| 8-18-113                         | Limited Exemption, Initial Boiling Point                                      | Y                                  |                              |
| 8-18-115                         | Limited Exemption, Storage Tanks  | Y                                  |                              |
| 8-18-116                         | Limited Exemption, Vacuum Service   | Y                                  |                              |
| 8-18-117                         | Limited Exemption, Visual Inspection  | Y                                  |                              |
| 8-18-301                         | General   | Y                                  |                              |
| 8-18-302                         | Valves  | Y                                  |                              |
| 8-18-303                         | Pumps and Compressors   | Y                                  |                              |
| 8-18-304                         | Connections   | Y                                  |                              |
| 8-18-305                         | Pressure Relief Devices   | Y                                  |                              |
| 8-18-306                         | Non-repairable Equipment  | Y                                  |                              |
| 8-18-307                         | Liquid Leak   | Y                                  |                              |
| 8-18-401                         | Inspection  | Y                                  |                              |
| 8-18-402                         | Identification  | Y                                  |                              |
| 8-18-403                         | Visual Inspection Schedule  | Y                                  |                              |
| 8-18-404                         | Alternative Inspection Schedule   | Y                                  |                              |
| 8-18-502                         | Records   | Y                                  |                              |
| <b>SIP Regulation 8, Rule 22</b> | <b>Organic Compounds – Valves and Flanges at Chemical Plants (FR 2/16/95)</b> |                                    |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – CC  
 Source-Specific Applicable Requirements  
 Components**

| <b>Applicable Requirement</b>       | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------------|--|------------------------------------|------------------------------|
| 8-22-115                            | Exemption, Chemical Plants with 100 or More Valves   | Y                                  |                              |
| <b>SIP Regulation 8, Rule 25</b>    | <b>Organic Compounds – Pump and Compressor Seals at Petroleum Refineries, Chemical Plants, Bulk Plants, and Bulk Terminals (FR 3/7/95)</b> |                                    |                              |
| 8-25-302                            | Pumps  | Y                                  |                              |
| 8-25-303                            | Compressors  | Y                                  |                              |
| 8-25-304                            | Non-repairable Pumps and Compressors   | Y                                  |                              |
| 8-25-305                            | New or Replaced Pumps and Compressors  | Y                                  |                              |
| 8-25-306                            | Repeat Leakers   | Y                                  |                              |
| 8-25-307                            | Liquid Leak  | Y                                  |                              |
| 8-25-401                            | Measurement Schedule   | Y                                  |                              |
| 8-25-402                            | Inspection Plan  | Y                                  |                              |
| 8-25-403                            | Visual Inspection Schedule   | Y                                  |                              |
| 8-25-405                            | Pump and Compressor Identification   | Y                                  |                              |
| 8-25-406                            | Leaking Pumps and Compressors  | Y                                  |                              |
| 8-25-503                            | Records  | Y                                  |                              |
| <b>BAAQMD Regulation 8, Rule 28</b> | <b>Organic Compounds – Episodic Releases from Pressure Relief Devices at Petroleum Refineries and Chemical Plants (12/21/05)</b>           |                                    |                              |
| 8-28-401                            | Reporting at Petroleum Refineries and Chemical Plants  | N                                  |                              |
| 8-28-402                            | Inspection   | N                                  |                              |
| 8-28-404                            | Identification   | N                                  |                              |
| <b>SIP Regulation 8, Rule 28</b>    | <b>Organic Compounds – Episodic Releases from Pressure Relief Devices at Petroleum Refineries and Chemical Plants (5/24/04)</b>            |                                    |                              |
| 8-28-401                            | Reporting at Petroleum Refineries and Chemical Plants  | Y                                  |                              |
| 8-28-402                            | Inspection   | Y                                  |                              |
| 8-28-404                            | Identification   | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

- Table IV – CD**  
**Source-Specific Applicable Requirements**  
**MACT - Equipment Leaks Fugitive Components (Subpart H Fugitive Monitoring)**  
**S-5, 720 Terminalized Products (Applicable when Subpart EEEE requires fugitive monitoring at S-5)**  
**S-29 T-608B Terminalized Products Storage Tank**  
**S-44 N-Serve Plant (includes T-70 and T-74 all components containing greater than 5% carbon tetrachloride)**  
**S-55 T-30 N-Serve N2-Padded Heat Transfer Fluid Pressure Tank**  
**S-151 T-614 Terminalized Products**  
**S-372, T-20 Perchloroethylene Tank Fugitive Components**  
**S-434 Manufacturing Services (Carbon Tetrachloride Distillation System and all components containing greater than 5% carbon tetrachloride)**  
**S-446, Sym-Tet Plant Fugitive Components**  
**S-458 T-80 Perchloroethylene Expansion Pressure Tank**  
**S-482 Carbon Tetrachloride Loading Rack**  
**S-483 Carbon Tetrachloride Loading Rack**

| Applicable Requirement            | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date |
|-----------------------------------|---|-----------------------------|-----------------------|
| <b>40 CFR, Part 63, Subpart H</b> | <b>National Emission Standard for Organic Hazardous Air Pollutants for Equipment Leaks (4/22/94)</b>                  | Y                           |                       |
| §63.160                           | Applicability and designation of source   | Y                           |                       |
| §63.161                           | Definitions   | Y                           |                       |
| §63.162                           | Standards: General  | Y                           |                       |
| §63.162(a)                        | Compliance determinations   | Y                           |                       |
| §63.162(b)                        | Alternative emission limitations  | Y                           |                       |
| §63.162(c)                        | Identification of subject equipment   | Y                           |                       |
| §63.162(d)                        | Equipment in vacuum service excluded  | Y                           |                       |
| §63.162(e)                        | Equipment in organic HAP service < 300 hrs/calendar year is excluded  | Y                           |                       |
| §63.162(f)                        | Requirements due to leak detection  | Y                           |                       |
| §63.162(g)                        | Definitions of periods of time  | Y                           |                       |
| §63.162(h)                        | Failure to attempt repair is a violation.   | Y                           |                       |
| §63.163                           | Standards: Pumps in light liquid service  | Y                           |                       |
| §63.163(a)                        | Requirements apply to pumps in light liquid service   | Y                           |                       |
| §63.163(b)(1)                     | Pumps – limits and monitoring   | Y                           |                       |
| §63.163(b)(2)                     | Pumps – leaks defined as:   | Y                           |                       |
| §63.163(b)(2)(i)                  | Phase I: 10,000 ppm or greater  | Y                           |                       |
| §63.163(b)(2)(ii)                 | Phase II: 5,000 ppm or greater  | Y                           |                       |
| §63.163(b)(2)(iii)                | Phase III: 5,000 ppm or greater for pumps handling polymerizing monomers and 1,000 ppm or greater for all other pumps | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – CD**  
**Source-Specific Applicable Requirements**  
**MACT - Equipment Leaks Fugitive Components (Subpart H Fugitive Monitoring)**  
**S-5, 720 Terminalized Products (Applicable when Subpart EEEE requires fugitive monitoring at S-5)**  
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**S-55 T-30 N-Serve N2-Padded Heat Transfer Fluid Pressure Tank**  
**S-151 T-614 Terminalized Products**  
**S-372, T-20 Perchloroethylene Tank Fugitive Components**  
**S-434 Manufacturing Services (Carbon Tetrachloride Distillation System and all components containing greater than 5% carbon tetrachloride)**  
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**S-458 T-80 Perchloroethylene Expansion Pressure Tank**  
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**S-483 Carbon Tetrachloride Loading Rack**

| Applicable Requirement | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------|--|-----------------------------|-----------------------|
| §63.163(b)(3)          | Pumps – Weekly visual inspection for liquid leaks  | Y                           |                       |
| §63.163(c)(1)          | Pumps – leak repaired as soon as practicable, but not later than 15 calendar days from detection, except as in (c)(3) or §171  | Y                           |                       |
| §63.163(c)(2)          | Pumps – first attempted repair of leak no later than 5 calendar days from detection  | Y                           |                       |
| §63.163(c)(3)          | Pumps in Phase III subject to 1,000 ppm leak definition –repair of leak not required unless $\geq$ 1,000 ppm is detected   | Y                           |                       |
| §63.163(d)(1)          | Calculation of percent leaking pumps on a process unit basis or on a source-wide basis   | Y                           |                       |
| §63.163(d)(2)          | Pumps Phase III: Quality improvement program for pumps must be implemented if > 10% of the pumps or 3 pumps in a process unit leak, calculated on a 6 month rolling average                      | Y                           |                       |
| §63.163(d)(3)          | Calculation of number of pumps in a process unit   | Y                           |                       |
| §63.163(d)(4)          | Calculation of percent leaking pumps   | Y                           |                       |
| §63.163(e)             | Pump equipped with dual mechanical seal system including a barrier fluid system meeting specifications is exempt from (a) through (d) provided the requirements of 63.163(e)(1) – (e)(6) are met | Y                           |                       |
| §63.163(f)             | Pump with no externally actuated shaft penetrating the pump housing is exempt from (a) through (c)   | Y                           |                       |
| §63.163(i)             | Process unit is exempt from (d) if more than 90% of the pumps in the unit meet (e) or (f)  | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

- Table IV – CD**  
**Source-Specific Applicable Requirements**  
**MACT - Equipment Leaks Fugitive Components (Subpart H Fugitive Monitoring)**  
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| Applicable Requirement | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------|---|-----------------------------|-----------------------|
| §63.163(j)             | Unsafe to monitor pumps as defined in §63.181(b)(7)(i) are exempt from (b) through (e) if meeting specifications of (j)(1) and (j)(2)   | Y                           |                       |
| §63.164                | Standards: Compressors  | Y                           |                       |
| §63.164(a)             | Compressor shall be equipped with a seal system including a barrier fluid system, except as in §63.162(b) and (h) and (i) of this section   | Y                           |                       |
| §63.164(b)             | Compressor seal system requirements   | Y                           |                       |
| §63.164(c)             | Compressor barrier fluid shall not be in light liquid service   | Y                           |                       |
| §63.164(d)             | Compressor barrier fluid system shall be equipped with a sensor to detect failure of the seal system and/or barrier fluid system.   | Y                           |                       |
| §63.164(e)             | Sensor shall be observed daily or equipped with an alarm unless located within an unmanned plant site   | Y                           |                       |
| §63.164(f)             | Leak is determined by sensor indication of seal and/or barrier system failure   | Y                           |                       |
| §63.164(g)             | Compressor leak – repair as soon as practicable, no later than 15 calendar days from detection with first attempt no later than 5 calendar days from detection  | Y                           |                       |
| §63.164(h)             | Compressor equipped with a closed-vent system capable of capturing and transporting leaks from drive shaft to a process or fuel gas system or to a control device complying with §63.172 is exempt from (a) through (g) | Y                           |                       |



#### IV. Source-Specific Applicable Requirements

**Table IV – CD**  
**Source-Specific Applicable Requirements**  
**MACT - Equipment Leaks Fugitive Components (Subpart H Fugitive Monitoring)**  
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| Applicable Requirement | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------|---|-----------------------------|-----------------------|
| §63.164(i)             | Compressors emitting < 500 ppm is exempt from (a) through (h) if compliance is tested upon designation, annually, and another other times as requested                                    | Y                           |                       |
| §63.165                | Standards: Pressure relief devices in gas/vapor service   | Y                           |                       |
| §63.165(a)             | Except during releases, PRD operated at ≤ 500 ppm, except as in (b)   | Y                           |                       |
| §63.165(b)(1)          | After each pressure release, the PRD shall meet (a) as soon as practicable, but no later than 5 calendar days of release, except as in §63.171  | Y                           |                       |
| §63.165(b)(2)          | Monitoring to confirm (a) required no later than 5 calendar days after pressure release and being returned to service   | Y                           |                       |
| §63.165(d)             | PRD equipped with a rupture disk upstream of the PRD is exempt from (a) and (b) if rupture disk is replaced as soon as practicable, but no later than 5 calendar days, after each release | Y                           |                       |
| §63.166                | Standards: Sampling connection systems  | Y                           |                       |
| §63.166(a)             | Sampling connection system shall be equipped with a closed-purge, closed-loop, or closed-vent system, except as in §63.162(b)   | Y                           |                       |
| §63.166(b)             | Closed-purge, closed-loop, or closed-vent system requirements   | Y                           |                       |
| §63.166(c)             | In-situ sampling systems and sampling systems without purges are exempt from (a) and (b)  | Y                           |                       |
| §63.167                | Standards: Open-ended valves or lines   | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

- Table IV – CD**  
**Source-Specific Applicable Requirements**  
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| Applicable Requirement | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------|---|-----------------------------|-----------------------|
| §63.167(a)(1)          | Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or second valve, except as in §63.162(b) and (d) and (e)  | Y                           |                       |
| §63.167(a)(2)          | Cap, blind flange, plug, or second valve must seal at all times except during operations requiring flow through the valve/line, during maintenance, or repair                                   | Y                           |                       |
| §63.167(b)             | Second valve operated to close after the valve on the process fluid end closes  | Y                           |                       |
| §63.167(c)             | Bleed valve or line may be open during venting of the line between block valves only  | Y                           |                       |
| §63.167(d)             | Open-ended valves or lines in an emergency shutdown system that open automatically in the event of an upset are exempt from (a) - (c)   | Y                           |                       |
| §63.167(e)             | Open-ended valves or lines containing materials that would autocatalytically polymerize or would present an explosion, overpressure, or other safety hazard if capped are exempt from (a) – (c) | Y                           |                       |
| §63.168                | Standards: Valves in gas/vapor service and in light liquid service  | Y                           |                       |
| §63.168(a)             | Requirements apply to valves in gas service or light liquid service   | Y                           |                       |
| §63.168(b)             | Monitoring required, except as in §63.162(b) and (h) and (i)  | Y                           |                       |
| §63.168(b)(1)          | Monitoring method in §63.180(b)   | Y                           |                       |
| §63.168(b)(2)          | Leak defined as:  | Y                           |                       |
| §63.168(b)(2)(i)       | Phase I: 10,000 ppm or greater  | Y                           |                       |
| §63.168(b)(2)(ii)      | Phase II: 500 ppm or greater  | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – CD**  
**Source-Specific Applicable Requirements**  
**MACT - Equipment Leaks Fugitive Components (Subpart H Fugitive Monitoring)**  
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**S-55 T-30 N-Serve N2-Padded Heat Transfer Fluid Pressure Tank**  
**S-151 T-614 Terminalized Products**  
**S-372, T-20 Perchloroethylene Tank Fugitive Components**  
**S-434 Manufacturing Services (Carbon Tetrachloride Distillation System and all components containing greater than 5% carbon tetrachloride)**  
**S-446, Sym-Tet Plant Fugitive Components**  
**S-458 T-80 Perchloroethylene Expansion Pressure Tank**  
**S-482 Carbon Tetrachloride Loading Rack**  
**S-483 Carbon Tetrachloride Loading Rack**

| Applicable Requirement | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------|---|-----------------------------|-----------------------|
| §63.168(b)(2)(iii)     | Phase III: 500 ppm or greater   | Y                           |                       |
| §63.168(c)             | Phase I and II: Quarterly monitoring  | Y                           |                       |
| §63.168(d)             | Phase III: Monitoring intervals:  | Y                           |                       |
| §63.168(d)(1)          | At process units with ≥ 2% leaking valves: Monthly or within the first year after Phase III, implement a quality improvement program for valves under §63.175(d) or (e) and monitor quarterly | Y                           |                       |
| §63.168(d)(2)          | At process units with < 2% leaking valves: Quarterly, except as in (d)(3) or (d)(4)   | Y                           |                       |
| §63.168(d)(3)          | At process units with < 1% leaking valves: Once every 2 quarters  | Y                           |                       |
| §63.168(d)(4)          | At process units with < 0.5% leaking valves: Once every 4 quarters  | Y                           |                       |
| §63.168(e)             | Calculation of percent leaking valves   | Y                           |                       |
| §63.168(f)(1)          | Repair of leak as soon as practicable but no later than 15 calendar days after detection, except as in §63.171  | Y                           |                       |
| §63.168(f)(2)          | First attempted repair of leak no later than 5 calendar days after detection  | Y                           |                       |
| §63.168(f)(3)          | Monitor at least once in 3 months following repair  | Y                           |                       |
| §63.168(g)             | First attempts at repair  | Y                           |                       |
| §63.168(h)             | Unsafe-to-monitor valves exempt from (b) – (f) if meeting requirements  | Y                           |                       |
| §63.168(i)             | Difficult-to-monitor valves exempt from (b) – (d) if meeting requirements   | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – CD**  
**Source-Specific Applicable Requirements**  
**MACT - Equipment Leaks Fugitive Components (Subpart H Fugitive Monitoring)**  
**S-5, 720 Terminalized Products (Applicable when Subpart EEEE requires fugitive monitoring at S-5)**  
**S-29 T-608B Terminalized Products Storage Tank**  
**S-44 N-Serve Plant (includes T-70 and T-74 all components containing greater than 5% carbon tetrachloride)**  
**S-55 T-30 N-Serve N2-Padded Heat Transfer Fluid Pressure Tank**  
**S-151 T-614 Terminalized Products**  
**S-372, T-20 Perchloroethylene Tank Fugitive Components**  
**S-434 Manufacturing Services (Carbon Tetrachloride Distillation System and all components containing greater than 5% carbon tetrachloride)**  
**S-446, Sym-Tet Plant Fugitive Components**  
**S-458 T-80 Perchloroethylene Expansion Pressure Tank**  
**S-482 Carbon Tetrachloride Loading Rack**  
**S-483 Carbon Tetrachloride Loading Rack**

| Applicable Requirement | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------|---|-----------------------------|-----------------------|
| §63.169                | Standards: Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service                                       | Y                           |                       |
| §63.169(a)             | Inspection and monitoring within 5 calendar days of leak detection  | Y                           |                       |
| §63.169(b)             | Leak: ≥ 10,000 ppm for agitators, ≥ 5,000 ppm for pumps handling polymerizing monomers, ≥ 2,000 ppm for other pumps, > 500 ppm for valves, connectors, instrumentation systems, and PRD's | Y                           |                       |
| §63.169(c)(1)          | Repair of leak as soon as practicable but no later than 15 calendar days after detection, except as in §63.171  | Y                           |                       |
| §63.169(c)(2)          | First attempted repair of leak no later than 5 calendar days after detection  | Y                           |                       |
| §63.169(c)(3)          | Definition of repair  | Y                           |                       |
| §63.169(d)             | Definition of first attempts at repair  | Y                           |                       |
| §63.171                | Standards: Delay of repair  | Y                           |                       |
| §63.171(a)             | Delay of repair of equipment allowed in repair infeasible without process unit shutdown; repair required by end of next shutdown  | Y                           |                       |
| §63.171(b)             | Delay of repair of equipment allowed for equipment isolated from process which doesn't remain in organic HAP service  | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – CD**  
**Source-Specific Applicable Requirements**  
**MACT - Equipment Leaks Fugitive Components (Subpart H Fugitive Monitoring)**  
**S-5, 720 Terminalized Products (Applicable when Subpart EEEE requires fugitive monitoring at S-5)**  
**S-29 T-608B Terminalized Products Storage Tank**  
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**S-151 T-614 Terminalized Products**  
**S-372, T-20 Perchloroethylene Tank Fugitive Components**  
**S-434 Manufacturing Services (Carbon Tetrachloride Distillation System and all components containing greater than 5% carbon tetrachloride)**  
**S-446, Sym-Tet Plant Fugitive Components**  
**S-458 T-80 Perchloroethylene Expansion Pressure Tank**  
**S-482 Carbon Tetrachloride Loading Rack**  
**S-483 Carbon Tetrachloride Loading Rack**

| Applicable Requirement | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------|--|-----------------------------|-----------------------|
| §63.171(c)             | Delay of repair for valves, connectors, agitators allowed if emissions from immediate repair exceed emissions from delay and when repair effected, purged material is collected/destroyed or recovered according to §63.172  | Y                           |                       |
| §63.171(d)             | Delay of repair for pumps allowed if repair requires replacing existing seal with better performing system, a dual mechanical seal system, the pump meets §63.163(f), or a closed vent system or control device meeting §63.163(g) and repair is completed as soon as practicable, but no later than 6 months from detection | Y                           |                       |
| §63.171(e)             | Delay of repair of valve beyond process unit shutdown allowed if valve assembly replacement is necessary, valve supplies were sufficiently stocked but have been depleted. Delay of repair beyond second shutdown not allowed unless third shutdown occurs sooner than 6 months from first shutdown.                         | Y                           |                       |
| §63.173                | Standards: Agitators in gas/vapor service and in light liquid service  | Y                           |                       |
| §63.173(a)             | Agitator: Monthly monitoring, except as in §63.162(b); leak is ≥ 10,000 ppm measurement  | Y                           |                       |
| §63.173(b)             | Agitator: Visual inspection for liquid leak weekly   | Y                           |                       |
| §63.173(c)             | Liquid leak repair as soon as practicable but no later than 15 calendar days after detection; first repair attempt within 5 calendar days  | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – CD**  
**Source-Specific Applicable Requirements**  
**MACT - Equipment Leaks Fugitive Components (Subpart H Fugitive Monitoring)**  
**S-5, 720 Terminalized Products (Applicable when Subpart EEEE requires fugitive monitoring at S-5)**  
**S-29 T-608B Terminalized Products Storage Tank**  
**S-44 N-Serve Plant (includes T-70 and T-74 all components containing greater than 5% carbon tetrachloride)**  
**S-55 T-30 N-Serve N2-Padded Heat Transfer Fluid Pressure Tank**  
**S-151 T-614 Terminalized Products**  
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**S-434 Manufacturing Services (Carbon Tetrachloride Distillation System and all components containing greater than 5% carbon tetrachloride)**  
**S-446, Sym-Tet Plant Fugitive Components**  
**S-458 T-80 Perchloroethylene Expansion Pressure Tank**  
**S-482 Carbon Tetrachloride Loading Rack**  
**S-483 Carbon Tetrachloride Loading Rack**

| Applicable Requirement | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------|--|-----------------------------|-----------------------|
| §63.173(d)             | Agitator with dual mechanical seal system including barrier fluid system is exempt from (a) if requirements met  | Y                           |                       |
| §63.173(e)             | Agitator with no externally actuated shaft penetrating the agitator housing is exempt from (a) – (c)   | Y                           |                       |
| §63.173(f)             | Agitator equipped with closed-vent system transporting leads from seals to process or fuel gas system or control device meeting §63.172 is exempt from (a) – (c) | Y                           |                       |
| §63.173(h)             | Difficult-to-monitor agitators exempt from (a) – (d) if requirements met   | Y                           |                       |
| §63.173(i)             | Agitator obstructed so that access of monitor probe is prevented is exempt from (a) – (d)  | Y                           |                       |
| §63.173(j)             | Unsafe-to-monitor agitators exempt from (a) – (d) if requirements met  | Y                           |                       |
| §63.174                | Standards: Connectors in gas/vapor service and in light liquid service   | Y                           |                       |
| §63.174(a)             | Monitoring of connectors in gas/vapor and light liquid service required except as in §63.162(b) and (f) through (h) by method in §63.180(b); leak is ≥ 500 ppm   | Y                           |                       |
| §63.174(b)             | Monitoring frequency, except as in (f) – (h):  | Y                           |                       |
| §63.174(b)(1)          | For existing source: no later than 12 months after compliance date, monitor all connectors   | Y                           |                       |
| §63.174(b)(2)          | For new sources: within first 12 months after start-up or no later than 12 months after promulgation of applicable subpart, whichever is later                   | Y                           |                       |
| §63.174(b)(3)          | Monitoring subsequent to initial survey, except as in (c)(2):  | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – CD**  
**Source-Specific Applicable Requirements**  
**MACT - Equipment Leaks Fugitive Components (Subpart H Fugitive Monitoring)**  
**S-5, 720 Terminalized Products (Applicable when Subpart EEEE requires fugitive monitoring at S-5)**  
**S-29 T-608B Terminalized Products Storage Tank**  
**S-44 N-Serve Plant (includes T-70 and T-74 all components containing greater than 5% carbon tetrachloride)**  
**S-55 T-30 N-Serve N2-Padded Heat Transfer Fluid Pressure Tank**  
**S-151 T-614 Terminalized Products**  
**S-372, T-20 Perchloroethylene Tank Fugitive Components**  
**S-434 Manufacturing Services (Carbon Tetrachloride Distillation System and all components containing greater than 5% carbon tetrachloride)**  
**S-446, Sym-Tet Plant Fugitive Components**  
**S-458 T-80 Perchloroethylene Expansion Pressure Tank**  
**S-482 Carbon Tetrachloride Loading Rack**  
**S-483 Carbon Tetrachloride Loading Rack**

| Applicable Requirement | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------|---|-----------------------------|-----------------------|
| §63.174(b)(3)(i)       | If leaking connectors $\geq 0.5\%$ during last annual or biennial period: once per year   | Y                           |                       |
| §63.174(b)(3)(ii)      | If leaking connectors $< 0.5\%$ during last annual or biennial period: once every 2 years or monitor $\geq 40\%$ of the connectors in first year and remainder in second year                         | Y                           |                       |
| §63.174(b)(3)(iii)     | If leaking connectors $< 0.5\%$ in a biennial LDAR program from the 2 year period: once every 4 years or monitor $\geq 20\%$ of the connectors each year until all have been monitored in the 4 years | Y                           |                       |
| §63.174(b)(3)(iv)      | If leaking connectors $\geq 0.5\%$ but $< 1\%$ in a 4 year LDAR program: monitor once every 2 years or monitor $\geq 40\%$ of the connectors in first year and remainder in second year               | Y                           |                       |
| §63.174(b)(3)(v)       | If leaking connectors $> 1\%$ in a 4 year LDAR program: monitor once per year   | Y                           |                       |
| §63.174(c)(1)(i)       | Monitoring for opened connectors or connectors with broken seals  | Y                           |                       |
| §63.174(c)(1)(ii)      | Alternatives for screwed connectors $\leq 2$ inches nominal inside diameter   | Y                           |                       |
| §63.174(c)(1)(iii)     | Switching between (c)(1)(i) and (ii) at the end of a monitoring period  | Y                           |                       |
| §63.174(c)(2)          | Alternative to the requirements of (b)(3)   | Y                           |                       |
| §63.174(d)             | Leak repair within 15 calendar days of detection, except as in (g) and §63.171; first attempt within 5 calendar days  | Y                           |                       |
| §63.174(f)             | Unsafe-to-monitor connectors exempt from (a) if requirements met  | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

- Table IV – CD**  
**Source-Specific Applicable Requirements**  
**MACT - Equipment Leaks Fugitive Components (Subpart H Fugitive Monitoring)**  
**S-5, 720 Terminalized Products (Applicable when Subpart EEEE requires fugitive monitoring at S-5)**  
**S-29 T-608B Terminalized Products Storage Tank**  
**S-44 N-Serve Plant (includes T-70 and T-74 all components containing greater than 5% carbon tetrachloride)**  
**S-55 T-30 N-Serve N2-Padded Heat Transfer Fluid Pressure Tank**  
**S-151 T-614 Terminalized Products**  
**S-372, T-20 Perchloroethylene Tank Fugitive Components**  
**S-434 Manufacturing Services (Carbon Tetrachloride Distillation System and all components containing greater than 5% carbon tetrachloride)**  
**S-446, Sym-Tet Plant Fugitive Components**  
**S-458 T-80 Perchloroethylene Expansion Pressure Tank**  
**S-482 Carbon Tetrachloride Loading Rack**  
**S-483 Carbon Tetrachloride Loading Rack**

| Applicable Requirement | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------|---|-----------------------------|-----------------------|
| §63.174(g)             | Unsafe-to-repair connectors exempt from (a), (d), (e) if requirements met   | Y                           |                       |
| §63.174(h)(1)          | Inaccessible, ceramic, or ceramic-lined connectors exempt from (a), (c), §63.181, and §63.182   | Y                           |                       |
| §63.174(h)(2)          | Inaccessible, ceramic, or ceramic-lined connectors observed to be leaking must be repaired as soon as practicable but no later than 15 calendar days of detection, except as in §63.171 and (g) | Y                           |                       |
| §63.174(h)(3)          | First attempted repair within 5 calendar days of detection  | Y                           |                       |
| §63.174(i)             | Calculation of percent leaking connectors   | Y                           |                       |
| §63.174(j)             | Optional credit for removed connectors  | Y                           |                       |
| §63.175                | Quality improvement program for valves  | Y                           |                       |
| §63.176                | Quality improvement program for pumps   | Y                           |                       |
| §63.180                | Test methods and procedures   | Y                           |                       |
| §63.181                | Recordkeeping requirements  | Y                           |                       |
| §63.181(a)             | One system allowed is records identified by process unit and program; records must be easily accessible at the plant site   | Y                           |                       |
| §63.181(b)             | Process unit records, except as in (e)  | Y                           |                       |
| §63.181(c)             | Visual inspection records   | Y                           |                       |
| §63.181(d)             | Leak detection records  | Y                           |                       |
| §63.181(f)             | Compressor compliance test records  | Y                           |                       |
| §63.181(h)             | Records for quality improvement programs for valves and/or pumps  | Y                           |                       |



**IV. Source-Specific Applicable Requirements**

- Table IV – CD**  
**Source-Specific Applicable Requirements**  
**MACT - Equipment Leaks Fugitive Components (Subpart H Fugitive Monitoring)**  
**S-5, 720 Terminalized Products (Applicable when Subpart EEEE requires fugitive monitoring at S-5)**  
**S-29 T-608B Terminalized Products Storage Tank**  
**S-44 N-Serve Plant (includes T-70 and T-74 all components containing greater than 5% carbon tetrachloride)**  
**S-55 T-30 N-Serve N2-Padded Heat Transfer Fluid Pressure Tank**  
**S-151 T-614 Terminalized Products**  
**S-372, T-20 Perchloroethylene Tank Fugitive Components**  
**S-434 Manufacturing Services (Carbon Tetrachloride Distillation System and all components containing greater than 5% carbon tetrachloride)**  
**S-446, Sym-Tet Plant Fugitive Components**  
**S-458 T-80 Perchloroethylene Expansion Pressure Tank**  
**S-482 Carbon Tetrachloride Loading Rack**  
**S-483 Carbon Tetrachloride Loading Rack**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>                               | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|---|------------------------------------|------------------------------|
| §63.182                       | Reporting requirements  | Y                                  |                              |
| §63.182(a)                    | Reports to be submitted:  | Y                                  |                              |
| §63.182(a)(2)                 | Notification of Compliance Status   | Y                                  |                              |
| §63.182(a)(3)                 | Periodic Reports  | Y                                  |                              |
| §63.182(c)                    | Notification of Compliance Status content and deadline – date in §63.502(f) applies | Y                                  |                              |
| §63.182(d)                    | Periodic Report content and deadline  | Y                                  |                              |

## IV. Source-Specific Applicable Requirements

**Table IV – CE**  
**Source-Specific Applicable Requirements**  
**MACT – Subpart I, Equipment Leaks**  
**S-44, N-Serve Plant Fugitive Components**  
**S-434 Manufacturing Services Facility**  
**(Carbon Tetrachloride Distillation Process) Fugitive Components**  
**S-446, Sym-Tet Plant Fugitive Components**

| Applicable Requirement            | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date |
|-----------------------------------|---|-----------------------------|-----------------------|
| <b>40 CFR, Part 63, Subpart I</b> | <b>National Emission Standard for Organic Hazardous Air Pollutants for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks (4/22/94)</b>   | Y                           |                       |
| 63.190                            | Applicability and designation of source   | Y                           |                       |
| 63.190(a)                         | This subpart provides applicability provisions, definitions, and other general provisions that are applicable to sources subject to this subpart.   | Y                           |                       |
| 63.190(b)                         | Except as provided in paragraph (b)(7) of this section, the provisions of subparts I and H of this part apply to emissions of the designated organic HAP from the processes specified in paragraphs (b)(1) through (b)(6) of this section that are located at a plant site that is a major source as defined in section 112(a) of the Act. The specified processes are further defined in §63.191.  | Y                           |                       |
| 63.190(b)(4)(vi)                  | Processes producing the polymers/resins or other chemical products listed in paragraphs (b)(4)(i) through (b)(4)(vi) of this section (carbon tetrachloride, methylene chloride, tetrachloroethylene, chloroform, and ethylene dichloride emissions only).<br>(vi)Symmetrical tetrachloropyridine  | Y                           |                       |
| 63.190(d)                         | For the purposes of subparts I and H of this part, the source includes pumps, compressors, agitators, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, surge control vessels, bottoms receivers, and instrumentation systems that are associated with the processes identified in paragraph (b) of this section and are intended to operate in organic hazardous air pollutant service (as defined in §63.191 of this subpart) for 300 hours or more during the calendar year. | Y                           |                       |
| 63.190(e)                         | The owner or operator of a process subject to this subpart is required to comply with the provisions of subpart H of this part on or before the dates specified in paragraph (e)(1) or (e)(2) of this section, unless the owner or operator eliminates the use or production of all HAP's that cause the process to be subject to this rule no later than 18 months after April 22, 1994.   | Y                           |                       |
| 63.192                            | Standard  | Y                           |                       |
| 63.192(a)(1)                      | The owner or operator of a source subject to this subpart shall comply  | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – CE**  
**Source-Specific Applicable Requirements**  
**MACT – Subpart I, Equipment Leaks**  
**S-44, N-Serve Plant Fugitive Components**  
**S-434 Manufacturing Services Facility**  
**(Carbon Tetrachloride Distillation Process) Fugitive Components**  
**S-446, Sym-Tet Plant Fugitive Components**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|---|------------------------------------|------------------------------|
|                               | with the requirements of subpart H of this part for the processes and designated organic HAP's listed in §63.190(b) of this subpart.                                    |                                    |                              |
| 63.192(b)                     | Provisions in §§63.1 through 63.15 of subpart A of this part which apply to owners and operators of sources subject to subparts I and H of this part, are listed below. | Y                                  |                              |
| 63.192(c)                     | Initial performance tests and initial compliance demonstrations shall be required as specified in subpart H of this part.   | Y                                  |                              |
| 63.192(f)                     | Recordkeeping requirements.   | Y                                  |                              |
| 63.192(g)                     | Reporting requirements.   | Y                                  |                              |
| 63.192(i)                     | Each owner or operator of a source subject to this subpart shall obtain a permit under 40 CFR part 70 or part 71 from the appropriate permitting authority.             | Y                                  |                              |
| 63.192(j)                     | Requirements of subparts I and H are Federally enforceable.   | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – CF**  
**Source-Specific Applicable Requirements**  
**40 CFR Part 60 Subpart Kb Sources**  
**NSPS for Volatile Organic Liquid Storage Vessels**  
**S-27, Terminalized Product Storage T-605A abated by S-336 or S-389**  
**S-30, Material Flow Tank T-608B abated by S-336 or S-389**

| Applicable Requirement             | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|---|-----------------------------|-----------------------|
| <b>40 CFR, Part 60, Subpart Kb</b> | <b>Standards of Performance for Volatile Organic Liquid Storage Vessels (4/8/87):</b> This regulation applies only when storing a volatile organic liquid as defined in 40 CFR 51.100.  |                             |                       |
| 60.110b(a)                         | Except as provided in paragraph (b) of this section, the affected facility to which this subpart applies is each storage vessel with a capacity greater than or equal to 75 cubic meters (m <sup>3</sup> ) that is used to store volatile organic liquids (VOL) for which construction, reconstruction, or modification is commenced after July 23, 1984.   | Y                           |                       |
| 60.110b(b)                         | This subpart does not apply to storage vessels with a capacity greater than or equal to 151 m <sup>3</sup> storing a liquid with a maximum true vapor pressure less than 3.5 kilopascals (kPa) or with a capacity greater than or equal to 75 m <sup>3</sup> but less than 151 m <sup>3</sup> storing a liquid with a maximum true vapor pressure less than 15.0 kPa.   | Y                           |                       |
| 60.112b(a)                         | The owner or operator of each storage vessel either with a design capacity greater than or equal to 151 m <sup>3</sup> containing a VOL that, as stored, has a maximum true vapor pressure equal to or greater than 5.2 kPa but less than 76.6 kPa or with a design capacity greater than or equal to 75 m <sup>3</sup> but less than 151 m <sup>3</sup> containing a VOL that, as stored, has a maximum true vapor pressure equal to or greater than 27.6 kPa but less than 76.6 kPa, shall equip each storage vessel with one of the following: | Y                           |                       |
| 60.112b(a)(3)                      | A closed vent system and control device meeting the following specifications:   | Y                           |                       |
| 60.112b(a)(3)(i)                   | Standard for Volatile Organic Compounds (VOC); Closed vent system and control device no detectable emissions  | Y                           |                       |
| 60.112b(a)(3)(ii)                  | Standard for Volatile Organic Compounds (VOC); Closed vent system and control device $\geq$ 95% inlet VOC emission reduction  | Y                           |                       |
| 60.112b(b)                         | Closed vent system and control device   | Y                           |                       |
| 60.113b                            | Testing and Procedures  | Y                           |                       |
| 60.113b(c)                         | Testing and Procedures; Closed vent system and control device (not flare)   | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – CF**  
**Source-Specific Applicable Requirements**  
**40 CFR Part 60 Subpart Kb Sources**  
**NSPS for Volatile Organic Liquid Storage Vessels**  
**S-27, Terminalized Product Storage T-605A abated by S-336 or S-389**  
**S-30, Material Flow Tank T-608B abated by S-336 or S-389**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|---|------------------------------------|------------------------------|
| 60.113b(c)(1)                 | Testing and Procedures; Closed vent system and control device (not flare) operating plan submission                 | Y                                  |                              |
| 60.113b(c)(1)(i)              | Testing and Procedures; Closed vent system and control device (not flare) operating plan--efficiency demonstration  | Y                                  |                              |
| 60.113b(c)(1)(ii)             | Testing and Procedures; Closed vent system and control device (not flare) operating plan--monitoring parameters     | Y                                  |                              |
| 60.113b(c)(2)                 | Testing and Procedures; Closed vent system and control device (not flare) operate in accordance with operating plan | Y                                  |                              |
| 60.115b                       | Reporting and Recordkeeping Requirements; 60.112b(a) tanks  | Y                                  |                              |
| 60.115b(c)(1)                 | Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy     | Y                                  |                              |
| 60.115b(c)(2)                 | Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating records       | Y                                  |                              |
| 60.116b(a)                    | Monitoring of Operations; Record retention  | Y                                  |                              |
| 60.116b(b)                    | Monitoring of Operations; Permanent record requirements   | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

Dow operates the following sources that are subject to Subpart NNNNN (Hydrochloric Acid Production):

- S-4, HCl Rail Tank Car Loading
- S-135, HCl Storage Tank T606A
- S-136, HCl Storage Tank T606B
- S-137, HCl Storage Tank T606C
- S-138, HCl Storage Tank T606D
- S-139, HCl Storage Tank T606E
- S-434, Manufacturing Services Facility
- S-576, HCl Storage Tank, T-122
- S-620, HCl Tank Loading Operation
- S-646, 36% HCl Tank Truck Loading
- S-647, Catalytic Hydrogen Chloride Plant
- S-648, Hydrogen Chloride Absorber, E-277
- S-649, 36% Hydrogen Chloride Acid Storage Tank, V-277
- S-650, 36% Hydrogen Chloride Acid Storage Tank, V-280A
- S-651, 36% Hydrogen Chloride Acid Storage Tank, V-280B
- S-652, 36% Hydrogen Chloride Acid Storage Tank, V-280C

**Table IV – CG  
 Source-Specific Applicable Requirements  
 40 CFR 63 Subpart NNNNN Sources**

| Applicable Requirement         | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date |
|--------------------------------|---|-----------------------------|-----------------------|
| 40 CFR, Part 63, Subpart NNNNN | National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4/17/2003)  | Y                           |                       |
| 63.8980                        | What is the purpose of this subpart?  | Y                           |                       |
| 63.8985                        | Am I subject to this subpart?   | Y                           |                       |
| 63.8985(a)                     | You are subject to this subpart if you own or operate an HCl production facility that produces a liquid HCl product at a concentration of 30 weight percent or greater during its normal operations and is located at, or is part of, a major source of HAP.                    | Y                           |                       |
| 63.8990                        | What parts of my plant does this subpart cover?   | Y                           |                       |
| 63.8990(a)                     | This subpart applies to each new, reconstructed, or existing affected source at an HCl production facility.   | Y                           |                       |
| 63.8990(b)                     | The affected source is the group of one or more HCl production facilities at a plant site that are subject to this subpart, and all associated wastewater operations, which contain the collection of emission streams listed in paragraphs (b)(1) through (5) of this section. | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – CG  
 Source-Specific Applicable Requirements  
 40 CFR 63 Subpart NNNNN Sources**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|---|------------------------------------|------------------------------|
| 63.8990(b)(3)                 | Each emission stream from an HCl transfer operation.  | Y                                  |                              |
| 63.8995                       | When do I have to comply with this subpart?   | Y                                  |                              |
| 63.8995(b)                    | If you have an existing affected source, you must comply with the emission limitations and work practice standards no later than 3 years after April 17, 2003.  | Y                                  |                              |
| 63.8995(d)                    | You must meet the notification requirements in §63.9045 according to the schedule in §63.9045 and in subpart A of this part. Some of the notifications must be submitted before you are required to comply with the emission limitations in this subpart.                     | Y                                  |                              |
| 63.9000                       | What emission limitations and work practice standards must I meet?  | Y                                  |                              |
| 63.9000(a)                    | With the exceptions noted in paragraphs (c) and (d) of this section, you must meet the applicable emission limit and work practice standard in table 1 to this subpart for each emission stream listed under §63.8990(b)(1) through (4) that is part of your affected source. | Y                                  |                              |
| 63.9000(b)                    | With the exceptions noted in paragraph (c) of this section, you must meet the applicable operating limit in Table 2 to this subpart for each emission stream listed under §63.8990(b)(1) through (3) that is part of your affected source.                                    | Y                                  |                              |
| 63.9005                       | What are my general requirements for complying with this subpart?   | Y                                  |                              |
| 63.9005(a)                    | You must be in compliance with the emission limitations and work practice standards in this subpart at all times, except during periods of startup, shutdown, and malfunction.  | Y                                  |                              |
| 63.9005(b)                    | You must always operate and maintain your affected source, including air pollution control and monitoring equipment, according to the provisions in §63.6(e)(1)(i).   | Y                                  |                              |
| 63.9005(c)                    | You must develop a written startup, shutdown, and malfunction plan according to the provisions in §63.6(e)(3).  | Y                                  |                              |
| 63.9005(d)                    | Monitoring equipment requirements including developing a site specific monitoring plan for each monitoring system required by this section.   | Y                                  |                              |
| 63.9010                       | By what date must I conduct performance tests?  | Y                                  |                              |
| 63.9010(b)                    | Existing affected source must conduct performance tests within 180 days after the compliance date for the affected source.  | Y                                  |                              |
| 63.9015                       | When must I conduct subsequent performance test?  | Y                                  |                              |
| 63.9015(a)                    | Schedule for performance tests.   | Y                                  |                              |
| 63.9015(b)                    | Report results of performance tests within 60 days after the completion of the test.  | Y                                  |                              |
| 63.9020                       | What performance tests and other procedures must I use?   | Y                                  |                              |

## IV. Source-Specific Applicable Requirements

**Table IV – CG**  
**Source-Specific Applicable Requirements**  
**40 CFR 63 Subpart NNNNN Sources**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|---|------------------------------------|------------------------------|
| 63.9020(a)                    | You must conduct each performance test in Table 3 to this subpart that applies to you as directed in paragraphs (a)(1) through (4) of this section, except as noted in paragraphs (b) and (c) of this section.  | Y                                  |                              |
| 63.9020(b)                    | If you are complying with a percent reduction emission limitation, you must determine the percent reduction in accordance with paragraphs (b)(1) and (2) of this section.   | Y                                  |                              |
| 63.9020(c)                    | You may prepare a design evaluation in lieu of conducting a performance test for HCl storage tanks and HCl transfer operations that are not routed to a control device that also controls HCl process vent emissions or any other continuous vent stream. The design evaluation shall include documentation demonstrating that the control technique being used achieves the required control efficiency when a liquid HCl product with a concentration of 30 weight percent or greater is being loaded into the storage tank, or a tank truck, rail car, ship, or barge. | Y                                  |                              |
| 63.9020(e)                    | You must establish all operating limits with which you will demonstrate continuous compliance with the applicable emission limits in Table 1 to this subpart as described in paragraphs (e)(1) through (3) of this section.   | Y                                  |                              |
| 63.9025                       | What are my monitoring installation, operation, and maintenance requirements?   | Y                                  |                              |
| 63.9025(a)                    | For each operating parameter that you are required by §63.9020(e) to monitor, you must install, operate, and maintain each CMS according to the requirements in paragraphs (a)(1) through (6) of this section.  | Y                                  |                              |
| 63.9025(b)                    | Optional monitoring for scrubber control devices.   | Y                                  |                              |
| 63.9025(c)                    | For any other control device, you must ensure that the CMS is operated according to a monitoring plan submitted to the Administrator as required by §63.8(f).   | Y                                  |                              |
| 63.9030                       | How do I demonstrate initial compliance with the emission limitations and work practice standards?  | Y                                  |                              |
| 63.9030(a)                    | You must demonstrate initial compliance with each emission limit and work practice standard that applies to you according to Table 4 to this subpart.   | Y                                  |                              |
| 63.9030(b)                    | You must establish each site-specific operating limit in Table 2 to this subpart that applies to you according to the requirements in §63.9020 and Table 3 to this subpart.   | Y                                  |                              |
| 63.9030(c)                    | You must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in §63.9045(e).  | Y                                  |                              |
| 63.9035                       | How do I monitor and collect data to demonstrate continuous compliance?   | Y                                  |                              |
| 63.9035(a)                    | You must monitor and collect data according to this section.  | Y                                  |                              |



## IV. Source-Specific Applicable Requirements

**Table IV – CG**  
**Source-Specific Applicable Requirements**  
**40 CFR 63 Subpart NNNNN Sources**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|---|------------------------------------|------------------------------|
| 63.9035(b)                    | Monitoring requirements for scrubbers used to meet emission limits in Table 1.  | Y                                  |                              |
| 63.9035(c)                    | Monitoring requirements for other control devices to meet emission limits in Table 1.   | Y                                  |                              |
| 63.9035(d)                    | Requirement to monitor continuously (or at required intervals) at all times the affected source is operating (except for monitor malfunctions).                                     | Y                                  |                              |
| 63.9040                       | How do I demonstrate continuous compliance with the emission limitations and work practice standards?   | Y                                  |                              |
| 63.9040(a)                    | You must demonstrate continuous compliance with each emission limit and work practice standard in Table 1 to this subpart that applies to you according to Table 4 to this subpart. | Y                                  |                              |
| 63.9040(b)                    | You must demonstrate continuous compliance with each operating limit in Table 2 of this subpart that applies to you according to Tables 4 and 5 to this subpart.                    | Y                                  |                              |
| 63.9040(c)                    | Requirement to report all deviations in meeting emission limits, work practice standard, or operating limit.  | Y                                  |                              |
| 63.9040(e)                    | Deviations during startup, shutdown, or malfunction are not violations if you demonstrate you were operating in accordance with 63.6(e)(1)  | Y                                  |                              |
| 63.9405                       | What notifications must I submit and when?  | Y                                  |                              |
| 63.9405(a)                    | You must submit all of the notifications in §§63.7(b) and (c), 63.8(f)(4) and (6), and 63.9 (b) through (h) that apply to you by the dates specified.                               | Y                                  |                              |
| 63.9405(d)                    | Performance test notification requirements  | Y                                  |                              |
| 63.9405(f)                    | Notification of Compliance Status required within 240 calendar days after applicable compliance dates specified in 63.8995.   | Y                                  |                              |
| 63.9050                       | What reports must I submit and when?  | Y                                  |                              |
| 63.9050(a)                    | Requirement to submit each report in Table 6 that applies to you.   | Y                                  |                              |
| 63.9050(b)                    | Schedule to submit reports.   |                                    |                              |
| 63.9050(c)                    | Report contents.  |                                    |                              |
| 63.9050(d)                    | Deviation report contents.  |                                    |                              |
| 63.9050(e)                    | Title V deviation reporting.  |                                    |                              |
| 63.9050(f)                    | Requirement to report startup, shutdown, and malfunctions that are not consistent with startup, shutdown, and malfunction plan.   | Y                                  |                              |
| 63.9055                       | What records must I keep?   | Y                                  |                              |
| 63.9055(a)                    | Requirement to keep a copy of each notification and report submitted to comply with this subpart.   |                                    |                              |
| 63.9055(b)                    | Additional records required to be maintained.   | Y                                  |                              |
| 63.9060                       | In what form and how long must I keep my records?   | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – CG  
 Source-Specific Applicable Requirements  
 40 CFR 63 Subpart NNNNN Sources**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|--|------------------------------------|------------------------------|
| 63.9060(a)                    | Records must meet requirements in 63.10(b)(1)  | Y                                  |                              |
| 63.9060(b)                    | Requirement to maintain records for 5 years following the date of each event.  | Y                                  |                              |
| 63.9060(c)                    | Records must be maintained onsite for 2 years following the date of each event. Records may be maintained offsite for the remaining 3 years. | Y                                  |                              |
| 63.9060(d)                    | Site-specific monitoring plan record keeping requirements  | Y                                  |                              |
| 63.9065                       | What parts of the General Provisions apply to me?  | Y                                  |                              |
| 63.9065(a)                    | Table 7 shows the parts of 63.1 through 63.15 that apply.  | Y                                  |                              |

## IV. Source-Specific Applicable Requirements

**Table IV – CH**  
**Source-Specific Applicable Requirements**  
**40 CFR 63 Subpart MMM Sources**  
**S-461, Plant 663 R-401 Reactor, Abated by A-96, B-405 Acid Absorber & Tails**  
**Tower – vapor recovery**  
**S-462, Plant 663 R-402 Reactor, Abated by A-96, B-405 Acid Absorber & Tails**  
**Tower – vapor recovery**  
**S-463, Plant 663 F-403 Separator**

| Applicable Requirement             | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|---|-----------------------------|-----------------------|
| <b>40 CFR Part 63, Subpart MMM</b> | <b>National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production (6/23/1999)</b>                                      | Y                           |                       |
| 63.1360                            | Applicability   | Y                           |                       |
| 63.1360(a)                         | Definition of affected source.  | Y                           |                       |
| 63.1360(c)                         | General provisions.   | Y                           |                       |
| 63.1360(e)                         | Applicability of this subpart except during periods of startup, shutdown, and malfunction.  | Y                           |                       |
| 63.1360(f)                         | Storage vessel applicability determination.   | Y                           |                       |
| 63.1360(g)                         | Designating production of an intermediate as a PAI process unit.  | Y                           |                       |
| 63.1360(h)                         | Applicability of process units included in a process unit group.  | Y                           |                       |
| 63.1360(i)                         | Overlap with other regulations.   | Y                           |                       |
| 63.1360(j)                         | Meaning periods of time.  | Y                           |                       |
| 63.1362                            | Standards   | Y                           |                       |
| 63.1362(a)                         | HAP control requirements for affected sources.  | Y                           |                       |
| 63.1362(b)(3)(ii)                  | Requirements for process vents<br>HCl Reduction by 94% or Outlet Concentration $\leq$ 20 ppm  | Y                           |                       |
| 63.1362(j)                         | Closed Vent System requirements   | Y                           |                       |
| 63.1363                            | Standards for equipment leaks   | Y                           |                       |
| 63.1363(a)                         | General equipment leak requirements   | Y                           |                       |
| 63.1363(b)                         | References. The owner or operator shall comply with the provisions of subpart H of this part as specified in paragraphs (b)(1) through (3) of this section. | Y                           |                       |
| 63.1363(c)                         | Standards for pumps in light liquid service and agitators in gas/vapor service and in light liquid service.   | Y                           |                       |
| 63.1363(d)                         | Standards: open-ended valves or lines.  | Y                           |                       |
| 63.1363(e)                         | Standards: valves in gas/vapor service and in light liquid service.   | Y                           |                       |
| 63.1363(f)                         | Unsafe to monitor, difficult-to-monitor, and inaccessible equipment.  | Y                           |                       |
| 63.1363(g)                         | Recordkeeping requirements.   | Y                           |                       |
| 63.1363(h)                         | Reporting requirements.<br>(1) Notification of Compliance Status Report, and periodic   | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – CH**  
**Source-Specific Applicable Requirements**  
**40 CFR 63 Subpart MMM Sources**  
**S-461, Plant 663 R-401 Reactor, Abated by A-96, B-405 Acid Absorber & Tails**  
**Tower – vapor recovery**  
**S-462, Plant 663 R-402 Reactor, Abated by A-96, B-405 Acid Absorber & Tails**  
**Tower – vapor recovery**  
**S-463, Plant 663 F-403 Separator**

| Applicable Requirement | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------|--|-----------------------------|-----------------------|
|                        | reports described in (h)(3) of this section.   |                             |                       |
| 63.1364                | Compliance dates.  | Y                           |                       |
| 63.1364(a)             | Compliance dates for existing sources.<br>(1) An owner or operator of an existing affected source must comply with the provisions in this subpart by December 23, 2003.  | Y                           |                       |
| 63.1365                | Test methods and initial compliance procedures.  | Y                           |                       |
| 63.1365(a)             | General provisions.  | Y                           |                       |
| 63.1365(a)(6)          | Initial demonstration with 20 ppm HCl outlet limit   | Y                           |                       |
| 63.1365(b)             | Test methods and conditions.   | Y                           |                       |
| 63.1365(c)             | Initial compliance with process vent provisions.   | Y                           |                       |
| 63.1365(c)(1)(iv)      | Initial demonstration with HCl percent reduction requirement   |                             |                       |
| 63.1366                | Monitoring and inspection requirements.  | Y                           |                       |
| 63.1366(a)             | General requirements.  | Y                           |                       |
| 63.1366(b)             | Monitoring for control devices.  | Y                           |                       |
| 63.1366(b)(1)(ii)      | Scrubbers.   | Y                           |                       |
| 63.1366(b)(1)(ii)(C)   | Monitoring devices shall be calibrated annually.   | Y                           |                       |
| 63.1366(b)(2)          | Averaging periods.   | Y                           |                       |
| 63.1366(b)(2)(i)       | Daily (24-hours) or block average of monitored parameter levels.   | Y                           |                       |
| 63.1366(b)(2)(ii)      | Definition of operating day or block.  | Y                           |                       |
| 63.1366(d)             | Monitoring for equipment leaks.  | Y                           |                       |
| 63.1366(h)             | Leak inspection provisions for vapor suppression equipment.  | Y                           |                       |
| 63.1366(h)(2)(i)       | Vapor Collection System or Closed Vent System constructed of hard piping   | Y                           |                       |
| 63.1367                | Recordkeeping requirements.  | Y                           |                       |
| 63.1367(a)             | Requirements of subpart A of this part.<br>(1) Data retention.<br>(2) Records of applicability determinations.<br>(3) Startup, shutdown, and malfunction plan.<br>(4) Recordkeeping requirements for sources with continuous monitoring systems. | Y                           |                       |
| 63.1367(b)             | Records of equipment operation.  | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – CH**  
**Source-Specific Applicable Requirements**  
**40 CFR 63 Subpart MMM Sources**  
**S-461, Plant 663 R-401 Reactor, Abated by A-96, B-405 Acid Absorber & Tails Tower – vapor recovery**  
**S-462, Plant 663 R-402 Reactor, Abated by A-96, B-405 Acid Absorber & Tails Tower – vapor recovery**  
**S-463, Plant 663 F-403 Separator**

| Applicable Requirement | Regulation Title or Description of Requirement                       | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------|--|-----------------------------|-----------------------|
| 63.1367(c)             | Records of equipment leak detection and repair.                      | Y                           |                       |
| 63.1367(f)             | Records of inspections.  | Y                           |                       |
| 63.1368                | Reporting requirements.  | Y                           |                       |
| 63.1368(a)             | Requirements for affected sources.                                   | Y                           |                       |
| 63.1368(b)             | Initial notification.  | Y                           |                       |
| 63.1368(d)             | Notification of continuous monitoring system performance evaluation. | Y                           |                       |
| 63.1368(e)             | Pre-compliance plan requirement.                                     | Y                           |                       |
| 63.1368(f)             | Notification of compliance status report.                            | Y                           |                       |
| 63.1368(g)             | Periodic reports.  | Y                           |                       |
| 63.1368(g)(1)          | Submit periodic report semiannually.                                 | Y                           |                       |
| 63.1368(h)             | Notification of process change.                                      | Y                           |                       |
| 63.1368(i)             | Reports of startup, shutdown, and malfunction.                       | Y                           |                       |
| 63.1368(j)             | Reports of equipment leaks.  | Y                           |                       |
| 63.1368(m)             | Notification of performance test and test Plan.                      | Y                           |                       |

Dow operates the following sources that are subject to Subpart EEEE (Organic Liquids Distribution):

- S-5, 720 Terminalized Products
- S-28, T-605B Material Flow
- S-30, T-608B Terminalized Products, 333,000 gallons
- S-36, N-Serve Plant Storage
- S-44, N-Serve Plant, Note this applies to T-70 and T-74 at N-Serve Plant (No Source Numbers)
- S-45, T-1 N-Serve
- S-56, T-31 N-Serve
- S-57, T-32 N-Serve
- S-61, T-780 N-Serve
- S-62, T-781 N-Serve
- S-63, T-782 N-Serve
- S-151, T-614 Terminalized Products, 700,000 gallons
- S-346, T-241

#### **IV. Source-Specific Applicable Requirements**

S-372, T-20 Block 560 Storage Tank  
S-382, N-Serve Unit Storage T-783  
S-383, Petroleum Hydrocarbon Distillate Tank  
S-407, T-728 N-Serve Formulation Tank  
S-447, T-774  
S-466, Plant 663 T-408A Intermediate Product Storage  
S-467, Plant 663 T-408B Intermediate Product Storage  
S-498, Sym Tet T-102 Storage Tank  
S-625, T-610 Perc Expansion Tank  
S-662, Storage Tank, T-243, Pressure Tank, 15,000 gallons  
S-663, Storage Tank, T-242, Pressure Tank, 15,000 gallons  
S-664, Storage Tank, T-244, Pressure Tank, 15,000 gallons  
S-680, Pressure Tank, T-440

Dow operates five storage tanks that require controls under Subpart EEEE:

S-30, T-608B Terminalized Products, 333,000 gallons  
S-151, T-614 Terminalized Products, 700,000 gallons  
S-662, Storage Tank, T-243, Pressure Tank, 15,000 gallons  
S-663, Storage Tank, T-242, Pressure Tank, 15,000 gallons  
S-664, Storage Tank, T-244, Pressure Tank, 15,000 gallons

## IV. Source-Specific Applicable Requirements

**Table IV – CI**  
**Source-Specific Applicable Requirements**  
**40 CFR 63 Subpart EEEE Sources**

| Applicable Requirement        | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date |
|-------------------------------|---|-----------------------------|-----------------------|
| 40 CFR, Part 63, Subpart EEEE | National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline) (2/3/2004)  | Y                           |                       |
| 63.2334                       | Am I subject to this subpart?   | Y                           |                       |
| 63.2334(a)                    | Except as provided for in paragraphs (b) and (c) of this section, you are subject to this subpart if you own or operate an OLD operation that is located at, or is part of, a major source of HAP emissions.  | Y                           |                       |
| 63.2338                       | What parts of my plant does this subpart cover?   | Y                           |                       |
| 63.2338(a)                    | This subpart applies to each new, reconstructed, or existing OLD operation affected source.   | Y                           |                       |
| 63.2338(b)                    | Except as provided in paragraph (c) of this section, the affected source is the collection of activities and equipment used to distribute organic liquids into, out of, or within a facility that is a major source of HAP.<br>(1) All storage tanks storing organic liquids<br>(2) All transfer racks at which organic liquids are loaded or unloaded<br>(3) All equipment leak components in organic liquids service associated with tanks and racks subject to this subpart.<br>(4) All transport vehicles while loading/unloading at transfer racks subject to this subpart.<br>(5) All containers while loading/unloading at transfer racks subject to this subpart. | Y                           |                       |
| 63.2338(c)                    | Equipment excluded from the affected source.  | Y                           |                       |
| 63.2342                       | When do I have to comply with this subpart?   | Y                           |                       |
| 63.2342(a)                    | Schedule for a new or reconstructed source.   | Y                           |                       |
| 63.2342(b)                    | Schedule for an existing source. Compliance required with emission limitations, operating limits, and work practice standards no later than February 3, 2004.   | Y                           |                       |
| 63.2342(d)                    | You must meet the notification requirements in §§63.2343 and 63.2382(a), as applicable, according to the schedules in §63.2382(a) and (b)(1) through (3) and in subpart A of this part.   | Y                           |                       |
| 63.2343                       | What are my requirements for emission sources not requiring control?  | Y                           |                       |
| 63.2343(a)                    | Requirements for storage tanks with a capacity less than 5,000 gallons.   | Y                           |                       |
| 63.2343(b)                    | Requirements for storage tanks with a capacity greater than 5,000 gallons.  | Y                           |                       |
| 63.2343(c)                    | Requirements for a transfer rack that load organic liquids, but is not subject to control requirements.   | Y                           |                       |
| 63.2343(d)                    | Events requiring submission of a subsequent Compliance report.  | Y                           |                       |

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**Table IV – CI**  
**Source-Specific Applicable Requirements**  
**40 CFR 63 Subpart EEEE Sources**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|---|------------------------------------|------------------------------|
| 63.2346                       | What emission limitations, operating limits, and work practice standards must I meet?   | Y                                  |                              |
| 63.2346(a)                    | Requirements for storage tanks.   | Y                                  |                              |
| 63.2346(b)                    | Requirements for transfer racks.  | Y                                  |                              |
| 63.2346(c)                    | Requirements for equipment leak components.   | Y                                  |                              |
| 63.2346(d)                    | Requirements for transport vehicles.  | Y                                  |                              |
| 63.2346(e)                    | Operating limits for tanks and transfer racks.  | Y                                  |                              |
| 63.2346(f)                    | Requirements for noncombustion control devices.   | Y                                  |                              |
| 63.2346(i)                    | Opening of a safety device  | Y                                  |                              |
| 63.2346(j)                    | If you elect to comply with this subpart by combining emissions from different emission sources subject to this subpart in a single control device, then you must comply with the provisions specified in §63.982(f). | Y                                  |                              |
| 63.2350                       | What are my general requirements for complying with this subpart?   | Y                                  |                              |
| 63.2350(a)                    | You must be in compliance with the emission limitations, operating limits, and work practice standards in this subpart at all times when the equipment identified in §63.2338(b)(1) through (4) is in OLD operation.  | Y                                  |                              |
| 63.2350(b)                    | You must always operate and maintain your affected source, including air pollution control and monitoring equipment, according to the provisions in §63.6(e)(1)(i).   | Y                                  |                              |
| 63.2350(c)                    | Except for emission sources not required to be controlled as specified in §63.2343, you must develop a written startup, shutdown, and malfunction (SSM) plan according to the provisions in §63.6(e)(3).              | Y                                  |                              |
| 63.2354                       | What performance tests, design evaluations, and performance evaluations must I conduct?   | Y                                  |                              |
| 63.2354(a)                    | Requirements for performance tests, design evaluations, and performance evaluations.  | Y                                  |                              |
| 63.2354(b)                    | Requirements for nonflare control devices.  | Y                                  |                              |
| 63.2354(c)                    | Approved methods for determining the HAP content of an organic liquid.  | Y                                  |                              |
| 63.2358                       | By what date must I conduct performance tests and other initial compliance demonstrations?  | Y                                  |                              |
| 63.2358(a)                    | Schedule to conduct initial performance tests and design evaluations.   | Y                                  |                              |
| 63.2358(b)                    | Schedule to comply with emission limitations for storage tanks and transfer racks. Initial compliance with emissions limitations by February 5, 2007, except as provided in b(1)(i) and (b)(1)(ii) of this section.   | Y                                  |                              |
| 63.2358(c)                    | Schedule for storage tanks and transfer racks to comply with work practice standard in Table 4 of this subpart.   | Y                                  |                              |



#### IV. Source-Specific Applicable Requirements

**Table IV – CI**  
**Source-Specific Applicable Requirements**  
**40 CFR 63 Subpart EEEE Sources**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|---|------------------------------------|------------------------------|
| 63.2358(d)                    | Schedule for reconstructed or new storage tanks, transfer racks, and equipment leak components with work practice standards in Table 4 of this subpart. Initial compliance demonstration within 180 days of initial startup date for the affected source. | Y                                  |                              |
| 63.2362                       | When must I conduct subsequent performance tests?   | Y                                  |                              |
| 63.2362(a)                    | Requirements for nonflare control devices.  | Y                                  |                              |
| 63.2362(b)                    | Requirements for transport vehicles.  | Y                                  |                              |
| 63.2366                       | What are my monitoring installation, operation, and maintenance requirements?   | Y                                  |                              |
| 63.2366(a)                    | Requirement to install continuous monitoring system (CMS) on each control device required in order to comply with this subpart.   | Y                                  |                              |
| 63.2366(b)                    | Requirements for nonflare devices controlling storage tanks and low throughput transfer racks.  | Y                                  |                              |
| 63.2370                       | How do I demonstrate initial compliance with the emission limitations, operating limits, and work practice standards?   | Y                                  |                              |
| 63.2370(a)                    | You must demonstrate initial compliance with each emission limitation and work practice standard that applies to you as specified in tables 6 and 7 to this subpart.  | Y                                  |                              |
| 63.2370(b)                    | You demonstrate initial compliance with the operating limits requirements specified in §63.2346(e) by establishing the operating limits during the initial performance test or design evaluation.   | Y                                  |                              |
| 63.2370(c)                    | You must submit the results of the initial compliance determination in the Notification of Compliance Status according to the requirements in §63.2382(d).  | Y                                  |                              |
| 63.2374                       | When do I monitor and collect data to demonstrate continuous compliance and how do I use the collected data?  | Y                                  |                              |
| 63.2374(a)                    | Requirement to monitor and collect data according to subpart SS of this part and paragraphs (b) and (c) of this section.  | Y                                  |                              |
| 63.2374(b)                    | Requirements to monitor continuously when using a control device to comply with this subpart.   |                                    |                              |
| 63.2374(c)                    | Data requirements for monitoring.   | Y                                  |                              |
| 63.2378                       | How do I demonstrate continuous compliance with the emission limitations, operating limits, and work practice standards?  |                                    |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – CI**  
**Source-Specific Applicable Requirements**  
**40 CFR 63 Subpart EEEE Sources**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|---|------------------------------------|------------------------------|
| 63.2378(a)                    | You must demonstrate continuous compliance with each emission limitation, operating limit, and work practice standard in Tables 2 through 4 to this subpart that applies to you according to the methods specified in subpart SS of this part and in tables 8 through 10 to this subpart, as applicable.              | Y                                  |                              |
| 63.2378(b)                    | Requirements during periods of startup, shutdown, malfunction, or nonoperation of the affected source.  | Y                                  |                              |
| 63.2378(c)                    | Limitations on hours of maintenance of a control device when the control device does not meet emission limits in table 2 of this subpart.   | Y                                  |                              |
| 63.2382                       | What notifications must I submit and when and what information should be submitted?   | Y                                  |                              |
| 63.2382(a)                    | You must submit each notification in subpart SS of this part, table 12 to this subpart, and paragraphs (b) through (d) of this section that applies to you. You must submit these notifications according to the schedule in table 12 to this subpart and as specified in paragraphs (b) through (d) of this section. | Y                                  |                              |
| 63.2382(b)                    | Initial notification requirements.  | Y                                  |                              |
| 63.2382(c)                    | Notification requirements for performance tests.  | Y                                  |                              |
| 63.2382(d)                    | When Notice of Compliance Status must be submitted.   | Y                                  |                              |
| 63.2386                       | What reports must I submit and when and what information is to be submitted in each.  | Y                                  |                              |
| 63.2386(a)                    | You must submit each report in subpart SS of this part, Table 11 to this subpart, table 12 to this subpart, and in paragraphs (c) through (e) of this section that applies to you.  | Y                                  |                              |
| 63.2386(b)                    | Schedule for reporting.   | Y                                  |                              |
| 63.2386(c)                    | Requirements for first compliance report.   | Y                                  |                              |
| 63.2386(d)                    | Requirements for subsequent compliance reports.   | Y                                  |                              |
| 63.2386(e)                    | Reporting Title V deviations.   | Y                                  |                              |
| 63.2390                       | What records must I keep?   | Y                                  |                              |
| 63.2390(a)                    | Recordkeeping requirements for sources not requiring control under this subpart.  | Y                                  |                              |
| 63.2390(b)                    | Recordkeeping requirements for sources requiring control under this subpart.  | Y                                  |                              |
| 63.2390(c)                    | Recordkeeping requirements for transport vehicles and transfer racks.   | Y                                  |                              |
| 63.2390(d)                    | Recordkeeping requirement for total actual annual facility organic liquid loading volume.   | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – CI**  
**Source-Specific Applicable Requirements**  
**40 CFR 63 Subpart EEEE Sources**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|--|------------------------------------|------------------------------|
| 63.2390(e)                    | Recordkeeping requirements for an owner/operator electing to comply with 63.2346(a)(4).  | Y                                  |                              |
| 63.2394                       | In what form and how long must I keep my records?  | Y                                  |                              |
| 63.2394(a)                    | Your records must be in a form suitable and readily available for expeditious inspection and review according to §63.10(b)(1), including records stored in electronic form at a separate location. | Y                                  |                              |
| 63.2394(b)                    | Requirement to maintain records for 5 years.   | Y                                  |                              |
| 63.2394(c)                    | Requirement to maintain records onsite for 2 years. Records may be kept offsite for the remaining 3 years.   | Y                                  |                              |
| 63.2396                       | What compliance options do I have if part of my plant is subject to both this subpart and another subpart?   | Y                                  |                              |
| 63.2396(a)                    | Compliance with other regulations for storage tanks.   | Y                                  |                              |
| 63.2396(b)                    | Compliance with other regulations for transfer racks.  | Y                                  |                              |
| 63.2396(c)                    | Compliance with other regulations for equipment leak components.   | Y                                  |                              |
| 63.2396(e)                    | Overlap with regulations for monitoring, recordkeeping, and reporting.   | Y                                  |                              |
| 63.2398                       | What parts of the General Provisions apply to me? Table 12 shows the portions of the General Provisions that apply.  | Y                                  |                              |
| 63.2406                       | What definitions apply to this subpart?  | Y                                  |                              |

## IV. Source-Specific Applicable Requirements

**Table IV – CJ**  
**Source-Specific Applicable Requirements**  
**40 CFR 63 Subpart EEE Sources**  
**S-336, Manufacturing Services Thermal Oxidizer**  
**S-389, Sym-Tet Thermal Oxidizer**

| <b>Applicable Requirement</b>     | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-----------------------------------|---|------------------------------------|------------------------------|
| <b>40 CFR Part 63 Subpart EEE</b> | <b>National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors (9/30/99)</b>                                     |                                    |                              |
| 63.1200                           | Who is subject to these regulations?  | Y                                  |                              |
| 63.1200(a)                        | Subpart applicable to area and major sources. Requirement for Title V permit for all sources subject to this subpart.                         | Y                                  |                              |
| 63.1201                           | Definitions   | Y                                  |                              |
| 63.1206                           | When and how must you comply with the standards and operating requirements?   | Y                                  |                              |
| 63.1206(a)                        | Compliance dates.   | Y                                  |                              |
| 63.1206(b)                        | Compliance with standards.  | Y                                  |                              |
| 63.1206(b)(1)                     | Applicability. Compliance required at all times except during startup, shutdown, malfunction and when waste is not in the combustion chamber. | Y                                  |                              |
| 63.1206(b)(2)                     | Methods for determining compliance.   | Y                                  |                              |
| 63.1206(b)(3)                     | Finding of compliance.  | Y                                  |                              |
| 63.1206(b)(4)                     | Extension of compliance with emission standards.  | Y                                  |                              |
| 63.1206(b)(5)                     | Changes in design, operation, or maintenance.   | Y                                  |                              |
| 63.1206(b)(6)                     | Compliance with the carbon monoxide and hydrocarbon emission standards.   | Y                                  |                              |
| 63.1206(b)(7)                     | Compliance with the destruction and removal efficiency (DRE) standard.  | Y                                  |                              |
| 63.1206(b)(11)                    | Calculation of hazardous waste residence time.  | Y                                  |                              |
| 63.1206(b)(12)                    | Documenting compliance with standards based on performance testing.   | Y                                  |                              |
| 63.1206(c)                        | Operating requirements.   | Y                                  |                              |
| 63.1206(c)(1)                     | General   | Y                                  |                              |
| 63.1206(c)(2)                     | Startup, shutdown, and malfunction plan requirements.   | Y                                  |                              |
| 63.1206(c)(3)                     | Automatic waste feed cutoff.  | Y                                  |                              |
| 63.1206(c)(4)                     | Emergency safety vent operating plan requirements.  | Y                                  |                              |
| 63.1206(c)(5)                     | Combustion system leak requirements.  | Y                                  |                              |
| 63.1206(c)(6)                     | Operator training and certification.  | Y                                  |                              |
| 63.1206(c)(7)                     | Operation and maintenance plan requirements.  | Y                                  |                              |
| 63.1207                           | What are the performance testing requirements?  | Y                                  |                              |
| 63.1207(a)                        | General. The provisions of 63.7 apply, except as noted below.   | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – CJ**  
**Source-Specific Applicable Requirements**  
**40 CFR 63 Subpart EEE Sources**  
**S-336, Manufacturing Services Thermal Oxidizer**  
**S-389, Sym-Tet Thermal Oxidizer**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|---|------------------------------------|------------------------------|
| 63.1207(b)                    | Types of performance tests.   | Y                                  |                              |
| 63.1207(b)(1)                 | Comprehensive performance test.   | Y                                  |                              |
| 63.1207(b)(2)                 | Confirmatory performance test.  | Y                                  |                              |
| 63.1207(b)(3)                 | One-Time Dioxin/Furan Test for Sources Not Subject to Numerical Dioxin/Furan Standard.  | Y                                  |                              |
| 63.1207(c)                    | Initial comprehensive performance test.   | Y                                  |                              |
| 63.1207(d)                    | Frequency of testing.   | Y                                  |                              |
| 63.1207(e)                    | Notification of performance test and continuous monitoring system (CMS) performance evaluation, and approval of test plan and CMS performance evaluation. | Y                                  |                              |
| 63.1207(f)                    | Content of performance test plan.   | Y                                  |                              |
| 63.1207(g)                    | Operating conditions during testing.  | Y                                  |                              |
| 63.1207(h)                    | Operating condition during subsequent testing.  | Y                                  |                              |
| 63.1207(j)                    | Notification of compliance.   | Y                                  |                              |
| 63.1207(k)                    | Failure to submit a timely notification of compliance.  | Y                                  |                              |
| 63.1207(l)                    | Failure of performance test.  | Y                                  |                              |
| 63.1207(m)                    | Waiver of performance test.   | Y                                  |                              |
| 63.1208                       | What are the test methods?  | Y                                  |                              |
| 63.1208(b)                    | Test methods.   | Y                                  |                              |
| 63.1209                       | What are the monitoring requirements?   | Y                                  |                              |
| 63.1209(a)                    | Continuous emissions monitoring systems (CEMS) and continuous opacity monitoring system (COMS) requirements.  | Y                                  |                              |
| 63.1209(b)                    | Other continuous monitoring systems (CMS) requirements.   | Y                                  |                              |
| 63.1209(c)                    | Analysis of feedstreams requirements.   | Y                                  |                              |
| 63.1209(d)                    | Performance evaluations requirements.   | Y                                  |                              |
| 63.1209(e)                    | Conduct of monitoring. Provisions of 63.8 apply.  | Y                                  |                              |
| 63.1209(f)                    | Operation and maintenance of continuous monitoring systems.   | Y                                  |                              |
| 63.1209(g)                    | Alternative monitoring requirements other than CEMS.  | Y                                  |                              |
| 63.1209(h)                    | Reduction of monitoring data.   | Y                                  |                              |
| 63.1209(i)                    | When an operating parameter is applicable to multiple standards.  | Y                                  |                              |
| 63.1209(j)                    | Destruction and removal efficiency (DRE) monitoring requirements.   | Y                                  |                              |
| 63.1209(k)                    | Dioxins and furans monitoring requirements.   | Y                                  |                              |
| 63.1209(l)                    | Mercury monitoring requirements.  | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – CJ**  
**Source-Specific Applicable Requirements**  
**40 CFR 63 Subpart EEE Sources**  
**S-336, Manufacturing Services Thermal Oxidizer**  
**S-389, Sym-Tet Thermal Oxidizer**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|--|------------------------------------|------------------------------|
| 63.1209(m)                    | Particulate monitoring requirements.   | Y                                  |                              |
| 63.1209(n)                    | Semivolatile metals monitoring requirements.   | Y                                  |                              |
| 63.1209(o)                    | Hydrogen chloride and chlorine gas monitoring requirements.  | Y                                  |                              |
| 63.1209(p)                    | Maximum combustion chamber pressure.   | Y                                  |                              |
| 63.1209(q)                    | Operating under different modes of operation.  | Y                                  |                              |
| 63.1209(r)                    | Averaging period requirements.   | Y                                  |                              |
| 63.1210                       | What are the notification requirements?  | Y                                  |                              |
| 63.1210(a)                    | Summary of requirements.   | Y                                  |                              |
| 63.1210(b)                    | Notice of intent to comply (NIC) requirements.   | Y                                  |                              |
| 63.1210(c)                    | NIC public meeting and notice requirements.  | Y                                  |                              |
| 63.1210(d)                    | Notification of compliance requirements.   | Y                                  |                              |
| 63.1211                       | What are the recordkeeping and reporting requirements.   | Y                                  |                              |
| 63.1211(a)                    | Summary of reporting requirements.   | Y                                  |                              |
| 63.1211(b)                    | Summary of recordkeeping requirements.   | Y                                  |                              |
| 63.1211(c)                    | Documentation of compliance.   | Y                                  |                              |
| 63.1212                       | What are other requirements pertaining to the NIC  | Y                                  |                              |
| 63.1213                       | How can compliance date be extended to install pollution prevention or waste minimization controls?  | Y                                  |                              |
| 63.1218                       | What are the standards for hydrochloric acid production furnaces that burn hazardous waste?  | Y                                  |                              |
| 63.1218(a)                    | Emission limits for existing sources.  | Y                                  |                              |
| 63.1218(a)(1)                 | For dioxins and furans, either carbon monoxide or hydrocarbon emissions in excess of the limits provided by paragraph (a)(5) of this section;  | Y                                  |                              |
| 63.1218(a)(2)                 | For mercury, hydrogen chloride and chlorine gas emissions in excess of the levels provided by paragraph (a)(6) of this section;  | Y                                  |                              |
| 63.1218(a)(3)                 | For lead and cadmium, except for an area source as defined under §63.2, hydrogen chloride and chlorine gas emissions in excess of the levels provided by paragraph (a)(6) of this section;                 | Y                                  |                              |
| 63.1218(a)(4)                 | For arsenic, beryllium, and chromium, except for an area source as defined under §63.2, hydrogen chloride and chlorine gas emissions in excess of the levels provided by paragraph (a)(6) of this section; | Y                                  |                              |
| 63.1218(a)(5)                 | Carbon monoxide.   | Y                                  |                              |
| 63.1218(a)(6)                 | Hydrogen chloride and chlorine.  | Y                                  |                              |
| 63.1218(a)(7)                 | For particulate matter, except for an area source as defined under §63.2,  | Y                                  |                              |

**IV. Source-Specific Applicable Requirements**

**Table IV – CJ  
 Source-Specific Applicable Requirements  
 40 CFR 63 Subpart EEE Sources  
 S-336, Manufacturing Services Thermal Oxidizer  
 S-389, Sym-Tet Thermal Oxidizer**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|---|------------------------------------|------------------------------|
|                               | hydrogen chloride and chlorine gas emissions in excess of the levels provided by paragraph (a)(6) of this section.  |                                    |                              |
| 63.1218(c)                    | Destruction and removal efficiency (DRE) standard.  | Y                                  |                              |
| 63.1218(c)(1)                 | 99.99% DRE. Except as provided in paragraph (c)(2) of this section, you must achieve a DRE of 99.99% for each principle organic hazardous constituent (POHC) designated under paragraph (c)(3) of this section. | Y                                  |                              |
| Appendix to Subpart EEE       | Quality Assurance Procedures for Continuous Emissions Monitors Used For Hazardous Waste Combustors  | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

Dow operates the following sources that are subject to Subpart FFFF:

- S-44 N-Serve Plant
- S-302 Dowacil Train 1
- S-303 Dowacil Train 2
- S-434 Manufacturing Services
- S-446 Sym-Tet Plant
- S-474 Trifluro
- S-476 Trifluro
- S-593, Plant 640, Section 1
- S-594, Plant 640, Section 2
- S-595, Plant 640, Section 3
- S-596, Plant 640, Section 4
- S-693 Distillation System
- S-695 Storage Tank, T-580

Storage Tanks that are currently subject to Subpart EEEE may become subject to Subpart FFFF requirements in the future.

**Table IV – CK  
 Source-Specific Applicable Requirements  
 40 CFR Part 63 Subpart FFFF Sources**

| <b>Applicable Requirement</b>       | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b>  |
|-------------------------------------|--|------------------------------------|---|
| <b>40 CFR Part 63, Subpart FFFF</b> | <b>National Emission Standards For Hazardous Air Pollutants – Miscellaneous Organic Chemical Manufacturing National Emission Standard for Hazardous Air Pollutants (MON)</b> | <b>Y</b>                           | <b>See 40.63.6(c)(5), compliance by 4 years, 6 months from Title V Renewal permit issuance date</b> |



#### IV. Source-Specific Applicable Requirements

**Table IV – CL**  
**Source-Specific Applicable Requirements**  
**40 CFR Part 63 Subpart ZZZZ Sources**  
**NESHAP for Stationary Reciprocating Internal Combustion Engines**  
**S-706, Diesel Engine for FPI Standby Generator (535 bhp, Initial 11/26/01)**  
**S-707, Diesel Engine Backup Generator P1A (328 bhp, Initial 4/15/02)**  
**S-708, Diesel Engine Backup Generator P1B (328 bhp, Initial 4/15/02)**  
**S-709, IC Engine Backup Generator (LPG) 471A (58 bhp, Initial 4/15/02)**  
**S-711, Diesel Engine Backup Generator 223 (86 bhp, Initial 4/15/02)**

| Applicable Requirement       | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------|--|-----------------------------|-----------------------|
| 40 CFR Part 63, Subpart ZZZZ | National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE) (1/30/2013)  | Y                           | See 63.6595(b)        |
| 63.6585                      | Applicability  |                             |                       |
| 63.6585(a)                   | Applicable to Stationary RICE  |                             |                       |
| 63.6585(b)                   | Applicable to major source of HAPs   |                             |                       |
| 63.6590(a)(1)                | Site rating of >500 bhp. Affected source under stationary RICE located at a major source of HAP emissions, constructed before 12/19/02.<br>Site rating of < 500 bhp. Affected source under stationary RICE located at a major source of HAP emissions, constructed before 6/12/06. | Y                           |                       |
| 63.6595(a)                   | Affected sources   | Y                           |                       |
| 63.6595(b)                   | Area sources that become major sources   | Y                           |                       |
| 63.6595(c)                   | Comply with applicable notification requirements in 63.6645 and 40 CFR Part 63, subpart A (Note there are no applicable notification requirements under either of these sections)  | Y                           |                       |
| 63.6600(c)                   | >500 bhp. Emergency stationary RICE do not need to comply with emission limitations in Table 1a, 2a, 2c, 2d or operating limitations in Tables 1b and 2b. Operating Limitations in Table 2c apply.   | Y                           |                       |
| 63.6602                      | <500 bhp. Comply with requirements in Table 2c.  | Y                           |                       |
| 63.6604                      | Fuel requirements for CI RICE  | Y                           |                       |
| 63.6605                      | General requirements for complying with this subpart.<br>(a) compliance with emission limitations, operating limitations, and other requirements in the subpart that apply at all time.<br>(b) operational and maintenance requirements.   | Y                           |                       |
| 63.6625(e)(2)                | <500 bhp. Maintain RICE and abatement controls according to manufacturer's instructions or develop own plan. (Engines less than 500 bhp)   | Y                           |                       |
| 63.6625(f)                   | <500 bhp. Requirement to install a non-resettable hour meter.  | Y                           |                       |
| 63.6625(h)                   | Minimize idling, and minimize startup time to not exceed 30 minutes.   | Y                           |                       |
| 63.6640(a)                   | Demonstrate compliance with the requirements of Table 2d according to work or management practices of Table 6, Part 9a.  | Y                           |                       |
| 63.6640(b)                   | Report deviations from the requirements of Table 2d.   | Y                           |                       |

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**Table IV – CL**  
**Source-Specific Applicable Requirements**  
**40 CFR Part 63 Subpart ZZZZ Sources**  
**NESHAP for Stationary Reciprocating Internal Combustion Engines**  
**S-706, Diesel Engine for FPI Standby Generator (535 bhp, Initial 11/26/01)**  
**S-707, Diesel Engine Backup Generator P1A (328 bhp, Initial 4/15/02)**  
**S-708, Diesel Engine Backup Generator P1B (328 bhp, Initial 4/15/02)**  
**S-709, IC Engine Backup Generator (LPG) 471A (58 bhp, Initial 4/15/02)**  
**S-711, Diesel Engine Backup Generator 223 (86 bhp, Initial 4/15/02)**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|--|------------------------------------|------------------------------|
| 63.6640(e)                    | Report non-compliance with the any applicable requirement of Table 8.                          | Y                                  |                              |
| 63.6640(f)                    | Comply with requirements of (f)(1)(i) through (iii) below                                      | Y                                  |                              |
| 63.6640(f)(1)                 | No time limit when engine is used for emergencies  | Y                                  |                              |
| 63.6640(f)(2)                 | Operation of engine for maintenance checks and readiness testing limited to 100 hours per year | Y                                  |                              |
| 63.6645                       | Notification Requirements.   | Y                                  |                              |
| 63.6650(a)                    | You must submit each report in Table 7 of this subpart that applies to you.                    | Y                                  |                              |
| 63.6650(h)                    | Report requirements and reporting schedule.  | Y                                  |                              |
| 63.6655(e)                    | Maintenance records for engine and abatement device (if applicable).                           |                                    |                              |
| 63.6655(f)                    | Record hours of operation.   |                                    |                              |
| 63.6660                       | Instructions for Records   | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – CM**  
**Source-Specific Applicable Requirements**  
**40 CFR Part 63 Subpart DDDDD Sources**  
**NESHAP for Boilers and Process Heaters**  
**S-444 U-183 Dowtherm Heater, 28 MMBtu/hour**  
**S-460 U-83 Dowtherm Heater, 25 MMBtu/hour**  
**S-1011 Auxiliary Boiler, 307 MMBtu/hour**

| Applicable Requirement        | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date |
|-------------------------------|--|-----------------------------|-----------------------|
| 40 CFR Part 63, Subpart DDDDD | National Emissions Standards for Hazardous Air Pollutants: Industrial, Commercial, and Institutional Boilers and Process Heaters (1/31/13)   | Y                           | See 63.6595(b))       |
| 63.7485                       | Am I subject to this subpart?<br>Facility is subject to this subpart if you operate an industrial, commercial, or institutional or process heater as defined in 63.7575 that is located at a major source of HAP as defined in 63.2.   | Y                           | See 63.7495(c)        |
| 63.7490                       | What is the affected source of this subpart?   | Y                           |                       |
| 63.7495                       | When do I have to comply with this subpart?  | Y                           |                       |
| 63.7495(c)                    | If you have an area source that becomes a major source of HAP then paragraphs (c)(1) and (2) apply to you.<br>(1) Any new or reconstructed boiler or process heater at the existing source must be in compliance upon startup.<br>(2) Any existing boiler or process heater at the existing source must be in compliance within 3 years after the source becomes a major source. | Y                           |                       |
| 63.7495(d)                    | Notification requirements  | Y                           |                       |
| 63.7500                       | What emission limitations, work practice standards, and operating limits must I meet?  | Y                           |                       |
| 63.7500(a)                    | Process heaters fired on natural gas with O2 trim sensors must meet the requirements of Table 3. Complete a tune-up every 5 years.   | Y                           |                       |
| 63.7500(c)                    | Limited use boilers and process heaters must complete a tune-up every 5 years as specified in 63.7540. (See Table 3 for Boilers and Heaters with O2 trim sensors).   | Y                           |                       |
| 63.7505                       | What are my general requirements for complying with this subpart?  | Y                           |                       |
| 63.7505(a)                    | Compliance with work practice standards at all times.  | Y                           |                       |
| 63.7540                       | How do I demonstrate continuous compliance with work practice standards?   | Y                           |                       |
| 63.7545                       | What notifications must I submit and when?   | Y                           |                       |
| 63.7550                       | What reports must I submit and when?   |                             |                       |
| 63.7555                       | What records must I keep?  |                             |                       |
| 63.7560                       | In what form and how long must I keep my records?  |                             |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV – CN**  
**Source-Specific Applicable Requirements**  
**40 CFR Part 64-Compliance Assurance Monitoring**  
**S-151 T-614 Terminalized Products abated by S-336 or S-389**  
**S-633 Water Treatment Carbon Beds Regeneration abated by S-336 or S-389**  
**S-434, Carbon Tetrachloride Purification System, abated by S-336**  
**S-446 Sym-Tet S-Plant abated by S-389**  
**S-302 Dowicil Train 1, abated by S-336 or S-389**  
**S-303 Dowicil Train 2 abated by S-336 or S-389**  
**S-322 D-203 A/B Portable Dryers abated by S-336 or S-389**  
**S-631 D-203 C Portable Resin Dryer abated by S-336 or S-389**  
**S-504 Chlorinolysis Train 1 abated by A-400 (S-400)**  
**S-505 Chlorinolysis Train 2 abated by A-400 (S-400)**  
**Abatement Devices: S-336 Halogenated Acid Furnace: Manufacturing Services**  
**Thermal Oxidizer, S-389 R-501 Halogenated Acid Furnace: Sym-Tet Thermal**  
**Oxidizer, A-400 (S-400) R-901 Thermal Oxidizer**

| <b>Applicable Requirement</b>      | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|------------------------------------|---|------------------------------------|------------------------------|
| <b>40 CFR Part 64</b>              | <b>Compliance Assurance Monitoring (October 2, 1997)</b>  | Y                                  |                              |
| 64.1                               | Definitions   | Y                                  |                              |
| 64.2                               | Applicability   | Y                                  |                              |
| 64.3                               | Monitoring Design Criteria  | Y                                  |                              |
| 64.3(b)(4)(iii)                    | Data Collection at least once per 24-hour period  | Y                                  |                              |
| 64.5                               | Deadlines for submittal   | Y                                  |                              |
| 64.6                               | Approval of Monitoring  | Y                                  |                              |
| 64.7                               | Operation of Approved Monitoring  | Y                                  |                              |
| 64.8                               | Quality Improvement Plan (QIP)  | Y                                  |                              |
| 64.9                               | Reporting and Recordkeeping requirements  | Y                                  |                              |
| 64.10                              | Savings Provisions  | Y                                  |                              |
| <b>CAM Permit Condition #26192</b> | <b>Compliance Assurance Monitoring (CAM) Permit Condition</b>   | Y                                  |                              |
| Part 1                             | Reporting requirements  | Y                                  |                              |
| Part 2                             | Recordkeeping requirements  | Y                                  |                              |
| Part 3                             | For S-336, requirement to conduct District approved Destruction Removal Efficiency test (Subpart EEE methodology) during Compliance Performance Test conducted under 40 CFR Part 63 Subpart EEE to demonstrate compliance with destruction efficiency requirement of condition 6859 part 4. | Y                                  |                              |
| Part 4                             | Definition of exceedance and excursion for S-336.   | Y                                  |                              |
| Part 5                             | Requirement to install a thermocouple in incinerator chamber at S-336   | Y                                  |                              |
| Part 6                             | Temperature monitoring and recordkeeping requirement for S-336  | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – CN**  
**Source-Specific Applicable Requirements**  
**40 CFR Part 64-Compliance Assurance Monitoring**  
**S-151 T-614 Terminalized Products abated by S-336 or S-389**  
**S-633 Water Treatment Carbon Beds Regeneration abated by S-336 or S-389**  
**S-434, Carbon Tetrachloride Purification System, abated by S-336**  
**S-446 Sym-Tet S-Plant abated by S-389**  
**S-302 Dowicil Train 1, abated by S-336 or S-389**  
**S-303 Dowicil Train 2 abated by S-336 or S-389**  
**S-322 D-203 A/B Portable Dryers abated by S-336 or S-389**  
**S-631 D-203 C Portable Resin Dryer abated by S-336 or S-389**  
**S-504 Chlorinolysis Train 1 abated by A-400 (S-400)**  
**S-505 Chlorinolysis Train 2 abated by A-400 (S-400)**  
**Abatement Devices: S-336 Halogenated Acid Furnace: Manufacturing Services**  
**Thermal Oxidizer, S-389 R-501 Halogenated Acid Furnace: Sym-Tet Thermal**  
**Oxidizer, A-400 (S-400) R-901 Thermal Oxidizer**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|---|------------------------------------|------------------------------|
| Part 7                        | Requirement to shut off liquid and gas feeds during any excursion/exceedance. At S-336, a QIP may be required by District if excursions and exceedances are ongoing.  | Y                                  |                              |
| Part 8                        | For S-389, requirement to conduct District approved Destruction Removal Efficiency test (Subpart EEE methodology) during Compliance Performance Test conducted under 40 CFR Part 63 Subpart EEE to demonstrate compliance with destruction efficiency requirement of condition 2039 part 5. | Y                                  |                              |
| Part 9                        | Definition of exceedance and excursion for S-389.   | Y                                  |                              |
| Part 10                       | Requirement to install a thermocouple in incinerator chamber at S-389   | Y                                  |                              |
| Part 11                       | Temperature monitoring and recordkeeping requirement for S-389  | Y                                  |                              |
| Part 12                       | Requirement to shut off liquid and gas feeds during any excursion/exceedance. At S-389, a QIP may be required by District if excursions and exceedances are ongoing.  | Y                                  |                              |
| Part 13                       | For A-400 (S-400), requirement to conduct District approved source test on the exhaust from A-400 by June 1, 2016 and once every five years thereafter to demonstrate compliance with destruction efficiency requirement of condition 2218 part 8.  | Y                                  |                              |
| Part 14                       | Definition of exceedance and excursion for A-400.   | Y                                  |                              |
| Part 15                       | Requirement to install a thermocouple in incinerator chamber at A-400   | Y                                  |                              |
| Part 16                       | Temperature monitoring and recordkeeping requirement for A-400  | Y                                  |                              |
| Part 17                       | Requirement to shut off liquid and gas feeds during any excursion/exceedance. At A-400, a QIP may be required by District if excursions and exceedances are ongoing.  | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – CO  
 Source-Specific Applicable Requirements  
 S-800, Diesel Engine Backup Generator**

| <b>Applicable Requirement</b>      | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|------------------------------------|---|------------------------------------|------------------------------|
| <b>SIP Regulation 1</b>            | <b>General Provisions and Definitions (6/28/99)</b>   |                                    |                              |
| 1-110.2                            | Exclusions for ICE engines used as emergency standby source of power                                      | Y                                  |                              |
| <b>BAAQMD Regulation 6, Rule 1</b> | <b>Particulate Matter- General Requirements (8/1/2018)</b>  |                                    |                              |
| 6-1-303                            | Ringelmann Number 2 Limitation  | N                                  |                              |
| 6-1-305                            | Visible Particles   | N                                  |                              |
| 6-1-310                            | Total Suspended Particulate (TSP) Concentration Limits  | N                                  |                              |
| 6-1-401                            | Appearance of Emissions   | N                                  |                              |
| 6-1-601                            | Applicability of Test Methods   | N                                  |                              |
| <b>SIP Regulation 6</b>            | <b>Particulate Matter and Visible Emissions (9/4/98)</b>  |                                    |                              |
| 6-303                              | Ringelmann Number 2 Limitation  | Y                                  |                              |
| 6-305                              | Visible Particles   | Y                                  |                              |
| 6-310                              | Particulate Weight Limitation   | Y                                  |                              |
| 6-401                              | Appearance of Emissions   | Y                                  |                              |
| 6-600                              | Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions | Y                                  |                              |
| <b>BAAQMD Regulation 9, Rule 1</b> | <b>Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)</b>  |                                    |                              |
| 9-1-301                            | Limitations on Ground Level Operations  | N                                  |                              |
| 9-1-302                            | General Emission Limitation   | N                                  |                              |
| 9-1-304                            | Fuel Sulfur Content Limitation  | N                                  |                              |
| <b>SIP Regulation 9 Rule 1</b>     | <b>Inorganic Gaseous Pollutants- Sulfur Dioxide (6/8/99)</b>  | Y                                  |                              |
| 9-1-301                            | Limitations on Ground Level Concentrations  | Y                                  |                              |
| 9-1-302                            | General Emission Limitations  |                                    |                              |
| 9-1-304                            | Fuel burning sulfur content limitation  |                                    |                              |
| <b>BAAQMD Regulation 9, Rule 2</b> | <b>Inorganic Gaseous Pollutants- Hydrogen Sulfide (10/6/99)</b>   | N                                  |                              |
| 9-2-301                            | Limitation of Hydrogen Sulfide  | N                                  |                              |
| <b>BAAQMD Regulation 9, Rule 8</b> | <b>Inorganic Gaseous Pollutants-Nitrogen Oxides from Stationary Engines (7/25/07)</b>                     |                                    |                              |
| 9-8-110                            | Exemptions  |                                    |                              |
| 9-8-110.5                          | Limited Exemption Emergency Standby Engines   | N                                  |                              |
| 9-8-330                            | Emergency Standby Engines, Hours of Operation   | N                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – CO  
 Source-Specific Applicable Requirements  
 S-800, Diesel Engine Backup Generator**

| <b>Applicable Requirement</b>     | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-----------------------------------|---|------------------------------------|------------------------------|
| 9-8-330.1                         | Unlimited hours for emergency use   | N                                  |                              |
| 9-8-330.3                         | 50 hours for reliability and maintenance  | N                                  |                              |
| 9-8-502                           | Recordkeeping   |                                    |                              |
| 9-8-502.1                         | On a monthly basis recordkeeping for the number of hours engine is fired  |                                    |                              |
| 9-8-530                           | Emergency standby engines, monitoring and recordkeeping   | N                                  |                              |
| <b>40 CFR Part 60 subpart III</b> | <b>Standards of Performance for Stationary compression Ignition Internal Combustion Engines (7/07/2016)</b>   | Y                                  |                              |
| 60.4200                           | Applicability   | Y                                  |                              |
| 60.4202(b)(2)                     | For 2011 model year and later, certification emission standards for new nonroad CI engines in 40 CFR 89.112 and 40 CFR 89.113 for all pollutants  | Y                                  |                              |
| 60.4205(b)                        | Owner or Operator Requirement Standards to comply with 60.4202  | Y                                  |                              |
| 60.4206                           | Requirement to meet standards for the entire life of the engine   | Y                                  |                              |
| 60.4207(b)                        | Diesel Fuel Requirements for stationary CI ICE per 40 CFR 80.510(b)   | Y                                  |                              |
| 60.4209                           | Monitoring Requirements for stationary CI ICE   | Y                                  |                              |
| 60.4211                           | Owner or operator must comply with the emission standards specified in this subpart except as permitted under paragraph (g) of this section   | Y                                  |                              |
| 60.4211(a)(3)                     | Meet the requirements of 40 CFR parts 89,94 and/or 1068 as they apply   | Y                                  |                              |
| 60.4211(c)                        | 2007 model year and later stationary CI IC engine must comply with the emission standards specified in 60.424(b) or 60.4205(b). Engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of this section | Y                                  |                              |
| 60.4211(f)                        | An emergency stationary ICE must be operated according to requirements in (f)(1) - (3) of III. Any operation except emergency operation, maintenance and testing, emergency demand response, and non-emergency operation for 50 hrs/yr, is prohibited.  | Y                                  |                              |
| 60.4211(f)(1)                     | No time limit on the use of emergency stationary ICE in emergency situations.   | Y                                  |                              |
| 60.4211(f)(2)                     | For the purposes listed in paragraphs (f)(2)(i) - (iii), the emergency stationary ICE may be operated for a maximum of 100 hrs/ calendar year.  | Y                                  |                              |
| 60.4211(f)(2)(i)                  | Emergency stationary ICE may be operated for maintenance checks and readiness testing.  | Y                                  |                              |
| 60.4211(f)(2)(ii)                 | Emergency stationary ICE may be operated for emergency demand response for periods  | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – CO  
 Source-Specific Applicable Requirements  
 S-800, Diesel Engine Backup Generator**

| <b>Applicable Requirement</b>       | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------------|--|------------------------------------|------------------------------|
| 60.4211(f)(2)(iii)                  | Emergency stationary ICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.   | Y                                  |                              |
| 60.4214                             | Owner/operator Notification, reporting and recordkeeping requirements for CI ICE   | Y                                  |                              |
| 60.4214(b)                          | Initial notification is not required for emergency engines   | Y                                  |                              |
| <b>40 CFR Part 63 Subpart ZZZZ</b>  | <b>NESHAPS for Stationary Reciprocating Internal Combustion Engines (RICE) (1/30/2013), Requirements for New Emergency Stationary RICE &lt;500 BHP</b>   | <b>Y</b>                           | <b>See 63.6595(b)</b>        |
| 63.6585                             | Applicability stationary RICE at a major or area source of HAP emissions   | Y                                  |                              |
| 63.6585(a)                          | Definition: stationary RICE  | Y                                  |                              |
| 63.6585(b)                          | Definition: major source of HAPs   | Y                                  |                              |
| 63.6590                             | Affected sources   | Y                                  |                              |
| 63.6590(a)                          | Affected source is any existing, new, or reconstructed stationary RICE located at major source of HAP emissions  | Y                                  |                              |
| 63.6590(a)(2)                       | A New stationary RICE is:  | Y                                  |                              |
| 63.6590(a)(2)(ii)                   | Rating < 500 bhp located at major source of HAP emissions, constructed on or after 6/12/2006   | Y                                  |                              |
| 63.6590(c)                          | Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part. | Y                                  |                              |
| 63.6590(c)(6)                       | New Emergency Stationary RICE <= 500 bhp at a major source of HAP emissions are subject only to 40 CFR 60 Subpart IIII for compression ignition engines  | Y                                  |                              |
| 63.6640(f)(3)                       | Operation of emergency stationary RICE engine located at major sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations.  |                                    |                              |
| <b>Section 93115, Title 17, CCR</b> | <b>CARB ATCM Airborne Toxic Control Measure for Stationary Compression Ignition Engines amended May 19, 2011</b>   |                                    |                              |
| 93115.1                             | Purpose is to reduce diesel PM and criteria pollutant emissions from CI engines  |                                    |                              |
| 93115.2(b)                          | Applicability of ATCM for engines with > 50 BHP  | N                                  |                              |



#### IV. Source-Specific Applicable Requirements

**Table IV – CO  
 Source-Specific Applicable Requirements  
 S-800, Diesel Engine Backup Generator**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|--|------------------------------------|------------------------------|
| 93115.4                       | Definitions  |                                    |                              |
| 93115.4(50)                   | New or New CI Engine – installed after January 1, 2005 or a 2004 or 2005 model year engine purchased prior to January 1, 2005 for use in California or reconstructed after January 1, 2005   |                                    |                              |
| 93115.5(a)                    | Fuel and fuel additive Requirements for New and In-Use Stationary CI Engines that are > 50BHP  | N                                  |                              |
| 93115.6                       | Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards  |                                    |                              |
| 93115.6(a)                    | New Emergency Standby Diesel-Fueled Compression Engine (> 50 bhp) Operating Requirements and Emission Standards  |                                    |                              |
| 93115.6(a)(3)(A)              | PM Emission Standards & Maximum Hours of Operation for Maintenance and Testing   | N                                  |                              |
| 93115.6(a)(3)(A)(1)           | New stationary emergency standby diesel fueled engines >50 BHP   |                                    |                              |
| 93115.6(a)(3)(A)(1)(a)        | Meet applicable emission standards for all pollutants for the same model year and maximum horsepower rating as specified in Table 1 Emission Standards for New Stationary Emergency Standby Diesel-Fueled CI Engines   |                                    |                              |
| 93115.6(a)(3)(A)(1)(b)        | After December 31, 2008, be certified to the new nonroad compression-ignition (CI) engine emission standards for all pollutants for 2007 and later model year engines as specified in 40 CFR Part 60, Subpart IIII-Standards of Performance for Stationary Compression Ignition IC Engines (2006); and |                                    |                              |
| 93115.6(a)(3)(A)(1)(c)        | Not operate more than 50 hours per year for maintenance and testing purposes, except as provided in 93115.6(a)(3)(a)2. This subsection does not limit engine operation for emergency use and for emission testing to show compliance with 93115.6(a)(3).   |                                    |                              |
| 93115.6(a)(3)(A)(2)           | The District may allow a new stationary emergency standby diesel-fueled CI engine (>50) to operate up to 100 hours per year for maintenance and testing purposes on a site-specific basis, provided the diesel PM emission rate is less than or equal to 0.01 g/bhp-hr.                                |                                    |                              |
| 93115.6(a)(3)(A)(3)(b)        | The District may establish more stringent hours of operation and emission standards  |                                    |                              |
| 93115.10                      | Recordkeeping, Reporting and Monitoring Requirements   | N                                  |                              |
| 93115.10(a)                   | Reporting  | N                                  |                              |
| 93115.10(b)                   | Demonstration of Compliance with Emission Limits   | N                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV – CO  
 Source-Specific Applicable Requirements  
 S-800, Diesel Engine Backup Generator**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|---|------------------------------------|------------------------------|
| 93115.10(d)                   | Monitoring Equipment  | N                                  |                              |
| 93115.10(d)(1)                | A non-resettable hour meter with a minimum display of 9999 hours shall be installed upon engine installation, or by no later than January 1, 2005; on all engines subject to all or part of the requirements of sections 93115.6, 93115.7, or 93115.8(a) unless the District determines on a case-by-case basis that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator’s compliance history |                                    |                              |
| 93115.10(d)(3)                | The District APCO may require the owner or operator to install and maintain additional monitoring equipment for the particular emission control strategy(ies) used to meet the requirements of sections 93115.6, 93115.7, or 93115.8(a)   |                                    |                              |
| 93115.10(f)                   | Monthly Log: Data Required  | N                                  |                              |
| 93115.10(f)(2)                | Data Log Retention  | N                                  |                              |
| 93115.12                      | Tiered Compliance Schedule  | N                                  |                              |
| 93115.13                      | Compliance Demonstration  | N                                  |                              |
| 93115.15                      | Severability  | N                                  |                              |
| <b>BAAQMD Condition 22850</b> | This Condition applies to S-800.  |                                    |                              |
| part 1                        | 50 hours/year for maintenance and testing. (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)   | N                                  |                              |
| part 2                        | Unlimited Emergency Use, (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)   | N                                  |                              |
| part 3                        | Totalizing Meter, (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)  | N                                  |                              |
| part 4                        | Recordkeeping, (Stationary Diesel Engine ATCM" section 93115, title 17 CCR, Regulation 2-6-501)   | N                                  |                              |
| part 5                        | Near School Conditions, (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)  | N                                  |                              |

## **V. SCHEDULE OF COMPLIANCE**

### **A. STANDARD SCHEDULE OF COMPLIANCE**

The permit holder shall comply with all applicable requirements cited in this permit.  
The permit holder shall also comply with applicable requirements that become effective during the term of this permit on a timely basis.

### **B. CUSTOM SCHEDULE OF COMPLIANCE**

None.

## VI. PERMIT CONDITIONS

Any condition that is preceded by an asterisk is not federally enforceable.

### Condition # 503

Applications 30711, 9487, 16468, 25041

For S-460, Dowtherm Heater:

1. The owner/operator of S-460 shall only fire natural gas in the S-460 Heater. (Basis: Cumulative Increase)
2. The owner/operator of S-460 shall install and maintain a fuel gas flow meter. (Basis: Cumulative Increase)
- 3a. This part shall apply until 1/1/2014 or until the new ultra low NOx burner becomes operational. Except during periods of start-up or shutdown, the owner/operator of S-460 shall ensure that the concentration of nitrogen oxide (NOx) emissions from S-460 do not exceed 30 ppmvd at 3% oxygen. (Basis: BAAQMD Regulation 9-7-301)
- 3b. This part shall apply on and after 1/1/2014 or whenever the new ultra low NOx burner becomes operational. Except during periods of start-up or shutdown, the owner/operator of S-460 shall ensure that the concentration of nitrogen oxide (NOx) emissions from S-460 do not exceed 9 ppmvd at 3% oxygen. (Basis: BAAQMD Regulation 9-7-307.5)
4. Deleted.
5. Deleted.
6. Deleted.
7. In order to demonstrate compliance with part 3b, the owner/operator of S-460 shall conduct an initial compliance test to determine NOx and CO emissions within 90 days of operating the new ultra low NOx burner. The owner/operator shall conduct a source test for NOx and CO at least once every year (with test frequency being no less than 10 months and no more than 12 months from the last test date). The owner/operator shall notify the Manager of the District's Source Test Section at least seven (7) days prior to the test, to provide the District staff the option of observing the testing. Within 45 days of test completion, a comprehensive report of the test results shall be submitted to the Manager of the District's Source Test Section for review and disposition. (Basis: BAAQMD Regulation 9-7-307.5)

## VI. Permit Conditions

8. The owner/operator of S-460 shall maintain monthly records of each startup event, each shutdown event, fuel usage, and the source test results. These records shall be maintained for five years and made available to District personnel upon request. (Basis: BAAQMD Regulation 2-6-501, BAAQMD Regulation 9-7-307.5)

### **Condition # 722**

For S-496, Storage Tank Specialty Chemicals, T-241:

1. Safety relief valve and rupture disks will be installed and set at a minimum of 55 psia. (Basis: Cumulative Increase)
2. Any release shall be reported to the District as soon as practical, with due consideration for safety. (Basis: Cumulative Increase)

### **Condition # 1748**

For S-519, Chlorinated Pyridine Storage Tank, T-502A:

For S-520, Chlorinated Pyridine Storage Tank, T-501B:

For S-389, Sym-Tet Thermal Oxidizer, R-501

1. S-519 and S-520 (T-502A and T-501B) shall be vented to S-389 Sym-Tet Thermal Oxidizer at all times that S-389 is operating. (Basis: Cumulative Increase)
2. S-519 and S-520 shall be blocked in with no detectable emissions whenever S-389 is not operating. (Basis: Cumulative Increase)

### **Condition #1785**

Applications 960, 8997, 16468

For S-521, Water Treatment System - Steam Stripper;

S-641, T-440 Groundwater Treatment Plant Decant Tank

S-336, Manufacturing Services Thermal Oxidizer;

S-389, Sym-Tet Thermal Oxidizer, R-501

1. S-521 Water Treatment System and S-641 shall be vapor-tight with no detectable organic emissions from the Stripper Column, Condenser, Exchanger, Decant Tanks, Portable Tote Tanks, and/or associated valves and piping. (Basis: Cumulative Increase)

## VI. Permit Conditions

2. All emissions from the S-521 Water Treatment System and S-641 shall be vented to either S-336 Manufacturing Services Thermal Oxidizer or S-389 Sym-Tet Thermal Oxidizer. (Basis: Cumulative Increase, BAAQMD Regulation 8-2-301)
3. S-521 Water Treatment System shall be shutdown whenever both S-336 and S-389 Thermal Oxidizers are out-of service. (Basis: Cumulative Increase, BAAQMD Regulation 8-2-301)
4. The owner/operator of S-521 shall maintain appropriate records to determine compliance with Condition, Part #3. These records shall be maintained for five years from the date of last entry and made available to District personnel upon request. (Basis: Cumulative Increase, BAAQMD Regulation 2-6-501, BAAQMD Regulation 8-2-301)

### Condition # 2039

Applications 26939, 726, 12387, 16468, 8895, 18563, 28034

For S-389, Sym-Tet Thermal Oxidizer, R-501:

A-74, B-502 Caustic Scrubber

A-75, X-505 Particulate Scrubber

A-76, B-503A Carbon Adsorber

A-77, R-502 Nonselective Catalytic Reduction Unit

A-80, B-503B Carbon Adsorber

A-412; B-501 Acid Absorber

A-205, R-503 Carbon Monoxide Scrubber

1. The S-389 Sym-Tet Thermal Oxidizer R-501 combustion chamber shall operate at a minimum of 1000 degrees C (1830 degrees F) at all times that chlorinated liquids and/or gases are being burned. (Basis: Cumulative Increase, BACT)
2. S-389 shall operate with a minimum gas residence time of 0.9 seconds in the combustion chamber at all times that chlorinated liquids and/or gases are being burned. (Basis: Cumulative Increase, BACT)
3. S-389 shall be abated by A-412 Acid Absorber and A-74 Caustic Scrubber at all times that S-389 is operating. S-389 shall be abated by A-75 Particulate Scrubber at all times that S-389 is burning chlorinated hydrocarbon liquid. (Basis: Cumulative Increase, BACT, BAAQMD Regulation 6)
4. Carbon Monoxide (CO) emissions from S-389 shall not exceed 250 ppm at 3% oxygen. (Basis: Cumulative Increase, BACT)

## VI. Permit Conditions

5. S-389 shall achieve a minimum organic Destruction Removal Efficiency of 99.99% (wt) for each POHC in the feed at all times. (Basis: Cumulative Increase)
6. Deleted.
7. Annual average liquid feed throughput for S-389 shall not exceed 45.1 gallons/hour. (Basis: Cumulative Increase)
8. Maximum daily liquid feed throughput for S-389 shall not exceed 70 gallons/hour. (Basis: Cumulative Increase, BACT)
9. The owner/operator of S-389 shall conduct a District approved source test every 6 months to demonstrate compliance with the CO limit in Part 4 and to determine NOx emission rates in each of the following operating modes (each liquid feed mode shall be tested at the nominal rate of 18-22 gallons/hour and at the maximum achievable rate, which shall not exceed 70 gallons/hour; all vent feed modes shall be tested at maximum venting rates):
  - a. Reactor startup on methane firing only, no NSCR (A-77) abatement.
  - b. Process vents and methane feed, no NSCR (A-77) abatement.
  - c. Process vents, chlorinated hydrocarbon liquid, and methane feed, no NSCR (A-77) abatement.
  - d. Process vents, chlorinated hydrocarbon liquid, and methane feed with NSCR (A-77) abatement.
  - e. Process vents and methane feed with NSCR (A-77) abatement.The owner/operator shall notify the Manager of the District's Source Test Section at least seven (7) days prior to the test, to provide the District staff the option of observing the testing. (Basis: Cumulative Increase, BACT)
10. NOx emissions from S-389 shall not exceed 6194 pounds/year. The owner operator of S-389 shall submit the source test results for CO and a total NOx emission calculation based on the source test data from Condition, Part #9. The results of this source test and the corresponding emission calculations shall be summarized in a District approved format and submitted to the District's Engineering Division within 60 days of source test completion. (Basis: Cumulative Increase, BACT)
11. Carbon Adsorbers B-503 A and B (A-76 and A-80), and Oxidation Catalyst (A-205) shall operate at all times that the R-502 NSCR Unit (A-77) is operating except during 30 minute startup periods and 30 minute shutdown periods. (Basis: Cumulative Increase, BACT)
12. Deleted.

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13. The owner/operator of S-389 shall install District approved continuous monitors and recorders to measure the following:
  - a. Chlorinated hydrocarbon liquid feed rate.
  - b. S-389 O<sub>2</sub> emission rate.
  - c. S-389 combustion chamber temperature.
  - d. A-77 NSCR Unit bypassing incidents and duration.  
(Basis: Cumulative Increase, BACT)
- \*14. The stack height of the NSCR Unit A-77 Main Stack (P-1) shall be at least 45 feet above grade. The stack height of the A-77 Bypass Stack (P-8) shall be at least 35 feet above grade. (Basis: Regulation 2, Rule 5)
15. The owner/operator of S-389 shall maintain appropriate records to determine compliance with all Permit Conditions. These records shall be kept for a minimum of five years from the date of last entry and shall be made available to District personnel upon request. (Basis: Cumulative Increase, BACT, BAAQMD Regulation 2-6-501)
16. The pH of the A-74, B-502 Caustic Scrubber, shall be maintained at a minimum pH of 7.35 as measured and recorded on an hourly rolling average value whenever liquid feed or process vents are fed to the Thermal Oxidizer, S-389. (Basis: BAAQMD Regulation 2-6-503)

### Condition # 2213

Applications 183, 1243, 5926, 16468

For A-400 (S-400), Thermal Oxidizer R-901  
S-504, Chlorinolysis Train 1 (R-1001, R-1002, B1001)  
S-505, Chlorinolysis Train 2 (R-1003 & R-1004)  
For A-79, Packed Scrubber B-902  
A-401, Acid Adsorber B-901

1. Deleted
2. Deleted
3. Emissions from A-400 Thermal Oxidizer shall be vented through the A-401 Acid Absorber and the A-79 Packed Scrubber at all times that A-400 is operating. (Basis: Cumulative Increase, BAAQMD Regulation 6)
4. The organic emissions from Chlorinolysis Train 1 (S-504) shall not exceed 15.75 pounds/hour averaged over any 3 hour sampling period, and before abatement by A-400. Compliance with this limit shall be demonstrated by measurement of total



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organic carbon (TOC) in ppm in each batch of water to be processed and calculation of Q in gallons/minute, the maximum liquid feed rate to S-504, from the following equation:

$$Q, \text{ gpm} = 26.4E6 / (500.4 * \text{TOC})$$

(Basis: Cumulative Increase)

5. The organic emissions from Train 2 (S-505) shall not exceed 1.5 pounds/hour averaged over any 3 hour sampling period. (Basis: Cumulative Increase)
6. Deleted.
7. Emissions from S-504 and S-505, Chlorinolysis Trains 1 and 2, shall be abated by A-400, Thermal Oxidizer, whenever operating. (basis: Cumulative Increase, BAAQMD Regulation 8-2-301)
8. The A-400 Thermal Oxidizer shall achieve a minimum 64% (wt) Organic Destruction/ Removal Efficiency at all times. (basis: BAAQMD Regulation 8-2-301)
9. The A-400 Thermal Oxidizer shall operate at a minimum operating temperature of 800 degrees C (1472 degrees F) at all times that organic gases are being processed. To demonstrate compliance with this temperature limit, the owner/operator shall operate a continuous temperature monitor and recorder. (basis: BAAQMD Regulation 8-2-301/BAAQMD 2-1-403)
10. Deleted
11. Deleted
12. The owner/operator shall maintain the following records:
  - a. TOC measured for each batch of water processed at S-504 in ppm;
  - b. Q, the maximum allowable liquid feed rate for each batch in gallons/minute, calculated from the equation in Part 4 above;
  - c. The actual liquid feed rate for each tank of water processed at S-504 in gallons per minute;
  - d. Temperature controller setpoint for A-400;
  - e. Starting date and time, and duration of each Allowable Temperature Excursion;
  - f. Measured temperature during each Allowable Temperature Excursion;
  - g. Number of Allowable Temperature Excursions per month, and total number for the current calendar year; and
  - h. All strip charts or other temperature records.

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Records shall be retained for a minimum of five years from the date of entry, and shall be made available to the District upon request. (basis: BAAQMD Regulation 2-1-403, Regulation 2-6-501)

### Condition # 2501

Applications 2211, 11115

For S-321, Dryer, D-608A:

For S-322, Portable Dryers, D-203A/B:

For S-323, Dryer, D-605A:

For S-324, Dryer, D-609:

For S-336, Manufacturing Services Thermal Oxidizer

For S-535, Portable Dryer, D-605B

1. During all regenerations of Resin Bed Driers D-605A (S-323), D-605B (S-535), D-608A (S-321), and D-609 (S-324), emissions shall be vented to the properly operating S-336, Manufacturing Services Thermal Oxidizer. (Basis: BAAQMD Regulation 8-1-110.3 for S-323, S-324, S-535; Voluntary Limit for S-321\*)
- \*2. S-322, Resin Bed Driers D-203 A/B shall be vented to the S-336, Manufacturing Services Thermal Oxidizer during regeneration procedures that occur while S-336 is operating. S-336 shall only be bypassed when it is out-of-service. (Basis: Voluntary Limit)
3. The owner/operator of Resin Bed Driers S-321, S-322, S-323, S-324, and S-535 shall maintain records of S-336, Manufacturing Services Thermal Oxidizer operating time, and drier regeneration time and date, in order to confirm compliance with Parts #1 and #2. These records shall be kept for a minimum of five years from the date of last entry and shall be made available to District personnel upon request. (Basis: BAAQMD Regulation 2-6-501, BAAQMD Regulation 8-1-110.3)

### Condition # 3195

Application 3376

For S-580, Specialty Chemicals Storage Tank, T-3A:

For S-581, Specialty Chemicals Storage Tank, T-3B:

For S-582, Specialty Chemicals Storage Tank, T-215:

For S-583, Specialty Chemicals Storage Tank, T-200:

For A-140, Vapor Balance System

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1. Storage tanks S-580, S-581, S-582, and S-583 shall be abated by the A-140, Vapor Balance System during all tank filling operations. (Basis: BAAQMD Regulation 2-1-403)
2. S-580, S-581, S-582, and S-583 shall be vapor tight with no detectable organic emissions except during connection and disconnection of the A-140, Vapor Balance System. Connection and disconnection procedures shall be performed in a manner that minimizes organic emissions. (Basis: BAAQMD Regulation 8-5-307)
3. The tanks S-580, S-581, S-582, and S-583 may not store any liquid containing organic compounds with a vapor pressure greater than 0.5 psia. (Basis: BAAQMD Regulation 2-1-301)
4. The owner/operator shall maintain records of the type, throughput, and vapor pressure of liquids stored. These records shall be kept on site for a minimum of five years from the date of entry and shall be made available to District personnel upon request. (Basis: BAAQMD Regulation 2-1-403, BAAQMD Regulation 2-6-501)

### **Condition # 3500**

Application Number: 3818  
S-584 abated by A-139

1. S-584 Drumming Station shall be abated by A-139 Venturi Scrubber at all times that S-584 is operating.

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### Condition # 4780

Applications 4128, 16468, 8894, 14456, 25436, 26077

Permit Conditions for Sources

S-593, Plant 640, Section 1

S-594, Plant 640, Section 2

S-595, Plant 640, Section 3

S-596, Plant 640, Section 4

S-604, Truck Loading Facility Plant 640 S-607, T-1904 Plant

640 Abated by:

A-146, Packed Bed NMP Scrubber B-3000

A-147, B-3210 Packed Bed Water Scrubber

A-148, Packed Bed Water Scrubber B-3200/B-3201

A-149, B-1303 Packed Bed Water Scrubber

A-206, ME-3220 Backup Carbon Adsorber

S-336, Manufacturing Services Halogen Acid Furnace

1. The owner/operator shall ensure that the combined emissions of precursor organic compounds (POC) to the atmosphere from the MEI Plant 640 (S-593, S-594, S-595, S-596) do not exceed 8 pounds per day, averaged over each calendar month. (Basis: Cumulative Increase)
- \*2. The owner/operator shall ensure that the combined emissions of 4-amino-3,5 dichloro-2,6 difluoro pyridine to the atmosphere from the MEI Plant 640 do not exceed 0.02 pounds on any day. (Basis: Regulation 2, Rule 5)
- \*3. The owner/operator shall ensure that the combined ammonia emissions to the atmosphere from the MEI Plant 640 do not exceed 0.02 pounds on any day and that the exhaust concentration does not exceed 200 ppm. (Basis: Regulation 2, Rule 5)
4. Deleted.
- \*5. If any source test conducted for this plant identifies the emission of any compound not identified in the below listing, then the owner/operator shall submit either a revised Risk Screening Analysis or sufficient information to indicate that emissions of the new compound are less than the applicable trigger levels listed in Regulation 2, Rule 5, Table 2-5-1:
  - Methyl Chloroacetate (MCA)
  - 4-amino-3,5 dichloro-2,6 difluoropyridine
  - N-Methyl Pyrrolidone (NMP)
  - Methyl Chloride
  - Methanol

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Ethylene Glycol  
Fully Halogenated Heterocycle (FHC)  
Ammonia  
Potassium Chloride  
Potassium Hydroxide  
Chloroform  
Trichloroethylene  
1,1,1,2-Tetrachloroethane  
Perchloroethylene  
Carbon Tetrachloride  
Methylene Chloride  
Vinyl Chloride  
1,1 Dichloroethylene

(Basis: BAAQMD Regulation 2, Rule 5)

6. The owner/operator shall ensure that there are no detectable organic emissions from Tank Truck Loading at source S-604. "Detectable emissions" for the purpose of this permit condition is defined as 100 ppm organic as methane measured 1 cm from the source using an FID, OVA, or equivalent monitoring device. (Basis: Cumulative Increase, Regulation 2, Rule 5)
7. Deleted.
8. Deleted.
9. Deleted.
10. Deleted.
11. The owner/operator shall ensure that total rail car shipments for the MEI Plant 640 (S-593, S-594, S-595, and S-596) do not exceed 562 cars per consecutive 12-month period. (Basis: Cumulative Increase)
- \*12. The owner/operator shall ensure that MEI Plant 640 (S-593, S-594, S-595, and S-596) does not cause any detectable off-property odors as defined in District Regulation 7. The owner/operator of Plant 640 shall take immediate measures to eliminate any suspected or identified odorous emissions to the satisfaction of the APCO. (Basis: BAAQMD Regulation 7-301)
- \*13. The owner/operator shall ensure that all materials handled at Tank Truck Loading Source S-604 are not spilled, discarded in sewers, stored in open containers, or handled in any other manner that would result in evaporation to the

## VI. Permit Conditions

atmosphere. Tank truck trips shall not exceed 256 per consecutive 12-month period.  
(Basis: Cumulative Increase, Regulation 2, Rule 5)

14. The owner/operator shall ensure that the MEI Plant 640 (S-593, S-594, S-595, and S-596) product (herbicide intermediate) is loaded only in solid form, with sufficient moisture present to prevent visible emissions and odors from occurring at the loading site. (Basis: Regulation 2, Rule 5, Cumulative Increase)
15. Deleted.
16. To demonstrate compliance with these conditions, the owner/operator of S-593, S-594, S-595, S-596, and S-604 shall maintain the following records:
  - a. The number of railcar shipments received for materials to be used at the MEI Plant 640 and offsite railcar shipments from the MEI Plant 640, totaled each month for the previous 12-month period;
  - b. Records indicating whether the emissions from A-147 and A-149 are abated at S-336, or A-206;
  - c. Records of the number of hours that the emissions from A-147 and/or A-149 are vented to A-206, summed each month for the previous 12-month period;
  - d. A summary of the hours of A-206 use since last carbon changeout. After 96 hours of use on a carbon bed, record of carbon changeout or daily records of the monitored inlet and outlet organic compound concentrations for A-206 for each day of use until carbon changeout;
  - e. Records of all source tests performed to demonstrate compliance with Part 1, 2, 3, and 5; upon receipt of the startup source test results for the Phase II modifications to the MEI Plant 640, the records must also include a POC emission factor derived from the source test to be used for compliance calculations until the subsequent source test;
  - f. Effective after receipt of the startup source test results for the Phase II modifications to the MEI Plant 640: Monthly POC emission calculations to demonstrate compliance with Part 1. These records shall be kept on file for a minimum of five years and shall be made available to District personnel upon request.
  - g. The number of tank truck trips received for materials to be used at the MEI Plant 640. Totaled each month for the previous 12-month period.  
(Basis: Cumulative Increase, BAAQMD Regulation 2-6-501)
17. The owner/operator shall ensure that the A-147 Scrubber abates S-593, S-594, S-596, and S-607 at all times each source is operating. The owner/operator shall ensure that the A-149 Scrubber abates S-595 at all times S-595 is generating ammonia emissions. (Basis: Cumulative Increase)

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18. To demonstrate compliance with the emission limits in Parts 1, 2 and 5 the owner/operator shall perform a District-approved source test to measure the combined POC, organic toxic air contaminants, and ammonia emissions from A-147 and A-149 no later than 60 days from the startup of the Phase II modifications to the MEI Plant 640 and at least once every 5 years thereafter. The source test results shall be used to determine emission factors to be used to demonstrate compliance in parts 1, 2, and 3. The owner/operator shall obtain approval of all source test procedures from the District's Source Test Section prior to conducting any tests and shall notify the Manager of the District's Source Test Section, in writing, of the source test protocols and the projected test dates at least seven (7) days prior to the test. Within 60 days of test completion, a comprehensive report of the test results shall be submitted to the Manager of the District's Source Test Section for review and disposition. (Basis: Cumulative Increase)
19. The following abatement requirements will become effective upon startup of the Phase I modifications to the MEI Plant 640: The owner/operator shall ensure that S-595 is abated by A-147 whenever S-595 is operating and not being abated by A-149. The owner/ operator shall ensure that the emissions from A-147 and A-149 are further abated at either S-336, or at the Backup Carbon Adsorber, A-206. (Basis: Cumulative Increase)
20. Beginning with the source test performed after startup of the Phase II modifications to the MEI Plant 640 (required by Part 18 above) and for every subsequent source test, the owner/operator shall derive a POC emission factor from each source test for use in calculation of POC emissions to the atmosphere from the MEI Plant 640 to demonstrate compliance with Part 1. This emission factor shall be used to calculate POC emissions on a monthly basis until the next source test is performed and a new emission factor is derived. The POC emissions to the atmosphere from the MEI Plant 640 shall be calculated as the combined emissions from A-147 and A-149, reduced by:
  - a. 99.99% by weight for the periods that the A-147/A-149 vents were directed to S-336, or
  - b. 90% by weight for the periods that the A-147/A-149 vents were directed to A-206.(Basis: Cumulative Increase)
21. Upon startup of the Phase I modifications to the MEI Plant 640, the owner/operator shall ensure that the A-206 Backup Carbon Adsorber is equipped with at least 1800 pounds of activated carbon whenever A-206 is in use. (Basis: BAAQMD Regulation 2-1-301)

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22. Upon startup of the Phase I modifications to the MEI Plant 640, the owner/operator shall ensure that use of A-206 to abate the emissions from A-147 or A-149 does not exceed 1,440 hours in any consecutive 12-month period. (Basis: Cumulative Increase)
23. Upon startup of the Phase I modifications to the MEI Plant 640, the owner/operator shall ensure that the A-206 Backup Carbon Adsorber reduces inlet POC emissions by at least 90% by weight. Compliance with this abatement efficiency shall be monitored by tracking hours of use of each carbon bed. After 96 hours of use, the owner/operator must either changeout the carbon bed or monitor abatement efficiency each day A-206 is in use by measuring both the inlet and outlet organic compound concentrations. The owner/ operator must install fresh carbon in A-206 when the outlet organic concentration reaches 10% of the inlet concentration. During the carbon changeout, if S-593, S-594, S-595, or S-596 is operating, the emissions from A-147 and A-149 shall be abated at the in-line spare carbon bed or at S-336. (Basis: Cumulative Increase)
24. Within 45 days of startup of the Phase II modifications to the MEI Plant 640, the owner/operator shall provide a final valve, flange, pump, and other component count for the modified MEI Plant 640 (S-593, S-594, S-595, S-596). This submittal shall also include revised fugitive emission calculations for the MEI Plant 640 based on the final component count. (Basis: Cumulative Increase)

### **Condition # 4945**

A/N 5925, 16468

For S-620, HCL Truck Loading Station

A-165, HCl Truck Loading Scrubber System:

1. The scrubber A165 shall be properly installed and properly maintained and shall allow no visible or odorous emissions from S-620. (Basis: BAAQMD Regulation 2-1-403)
2. Effective 60 days after the issuance of the Major Facility Review Permit, the S-620 HCl Truck Loading Station shall be checked for visible emissions on a daily basis whenever HCl trucks are loaded. The visible emission check shall be performed while the equipment is operating and during daylight hours. If visible emissions are detected, the operator shall take corrective action and check for visible emissions during the next loading event. (Basis: BAAQMD Regulation 6-1-301)
3. The owner/operator of S-620 shall maintain records of all visible emission check results and description of any corrective action taken. These records shall be kept



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on file for a minimum of five years and shall be made available to District personnel upon request. (Basis: BAAQMD Regulation 2-6-501, BAAQMD Regulation 6-1-301)

### Condition # 5147

Application 5928

For S-402, Acid Storage Tank T-901

A-79, Packed Bed Scrubber B-902:

A-401, Acid Absorber B-901

- \*1. S-402 shall be vapor tight and vented to a properly operating and properly maintained Acid Absorber (A-401) and Packed Bed Scrubber B-902 (A-79) whenever S-402 is operating. (Basis: Regulation 2, Rule 5)
- \*2. The throughput at S-402 shall not exceed 200,000 gallons of 36% hydrochloric acid in any 12-month period. (Basis: Regulation 2, Rule 5)
- \*3. The owner/operator of S-402 shall maintain appropriate records to confirm compliance with Part #2. These records shall be kept on file for at least five years and shall be made available to District personnel upon request. (Basis: Regulation 2, Rule 5)

### Condition # 5148

Applications 4459, 16468, 9327

Conditions for S-48, T19A N-Serve;

S-49, T19B N-Serve;

S-428, H-300 Sym-Tet Processing (exempt per 2-1-103),

S-448, H-200 Sym-Tet (exempt per 2-1-103); and

A-154, Vent Recovery System H-320A & B, T-320

- 1. The Vent Recovery System (A-154) shall achieve either a minimum of 85% (by weight) control of organic compounds or shall emit less than 15 lbs/day as carbon. (Basis: BAAQMD Regulation 8-1-110.3 or BAAQMD Regulation 8-2-301)
- 2. During the freeze cycle, the temperature of the vapor stream exiting the Heat Exchanger shall not exceed 60 degrees C (140 degrees F). (Basis: BAAQMD Regulation 8-1-110.3 or BAAQMD Regulation 8-2-301/BAAQMD 2-1-403)
- 3. The owner/operator of the A-154 Vent Recovery System shall continuously monitor the pressure drop across the Heat Exchangers and the temperature of the

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exit vapor stream. (Basis: BAAQMD Regulation 8-1-110.3 or BAAQMD Regulation 8-2-301/BAAQMD 2-1-403)

4. N-Serve Product Storage Tanks (S-48 and S-49), H-300 Sym-Tet Processing (S-428), and H-200 Sym-Tet (S-448) shall be abated by the Vent Recovery System (A-154) at all times that these sources are operating or contain organic liquid. (Basis: BAAQMD Regulation 8-1-110.3 or BAAQMD Regulation 8-2-301/BAAQMD 2-1-403)
5. The owner/operator of A-154 shall maintain records of (1) the pressure drop across the Heat Exchangers, and (2) the temperature of the exit vapor stream. These records shall be kept on file for a minimum of five years and shall be made available to District personnel upon request. (Basis: BAAQMD Regulation 2-6-501, BAAQMD Regulation 8-1-110.3 or BAAQMD Regulation 8-2-301/BAAQMD 2-1-403)

### Condition # 5336

A/N 6300

For S-631, Portable Resin Drier, D-203C

S-336, Manufacturing Services Thermal Oxidizer:

1. The Portable Resin Drier D-203C (S-631) shall be abated by the properly operating and properly maintained Manufacturing Services Thermal Oxidizer (S-336) at all times that the resin drier is operating. (Basis: Cumulative Increase)
2. There shall be no detectable fugitive emissions from the piping or equipment associated with S-631. (Basis: Cumulative Increase)
3. The owner/operator of S-631 shall maintain appropriate records to confirm that S-631 was only operated while the S-336 Thermal Oxidizer was operating. These records shall be kept on file for at least five years from the date of entry and shall be made available to District personnel upon request. (Basis: Cumulative Increase, BAAQMD Regulation 2-6-501)

### Condition # 5384

Conditions for A-168:

1. The Vapor Balance System (A-167) shall be properly maintained and operated during all times that the Chlorinated Pyridine Truck Loading Equipment (S-622) is operating.

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### Condition # 5385

Applications 5926, 8548

For S-446, Sym-Tet Plant:

Conditions for A-168, B-609 Emergency Backup Caustic Scrubber:

1. The Emergency Backup Caustic Scrubber B-609 (A-168) shall be properly operated and properly maintained and shall abate S-446 during all times that the reactor and stripping systems in the 2,3 penta section of the Sym-Tet Plant (S-446) are operating. (Basis: BAAQMD Regulation 6-1, BAAQMD Regulation 8-2-301/BAAQMD 2-1-403)

### Condition # 5722

For S-633, Water Treatment System

S-336, Manufacturing Services Thermal Oxidizer

S-389, Sym-Tet Thermal Oxidizer R-501:

1. S-633 Water Treatment System shall be vapor-tight with no detectable organic emissions from the granular activated carbon (GAC) beds (T-441, T-443, T-445), H-441 heat exchanger, and the associated valves and piping. (Basis: Regulation 2-5, Regulation 8-1-110.3/2-1-403)
2. All emissions from the regeneration of the S-633 water treatment system shall be vented to either the S-336 Manufacturing Services Thermal Oxidizer or S-389 Sym-Tet Thermal Oxidizer. (Basis: Regulation 2-5, Regulation 8-1-110.3/2-1-403)
3. The S-633 regeneration process shall be shut down whenever both S-336 and S-389 Thermal Oxidizers are out-of-service. (Basis: Regulation 2-5, Regulation 8-1-110.3/2-1-403)
4. The owner/operator of S-633 shall maintain appropriate records to verify compliance with Part #3. These records shall be retained on-site for a period of five years from the date of last entry and made available to District personnel upon request. (Basis: Regulation 2, Rule 5, BAAQMD Regulation 2-6-501, BAAQMD Regulation 8-1-110.3/ BAAQMD 2-1-403)

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### Condition # 6859

Applications 26910, 7308, 12387, 11902, 16468, 8895, 28034  
Conditions for S-336, Manufacturing Services Thermal Oxidizer  
A-21, B-15 Manufacturing Services Scrubber  
A-54, B-15 Demister  
A-410, B-16 Caustic Scrubber  
A-86, B-14A & B Carbamate Acid Absorber:

1. The liquid waste feed rate to S-336 shall not exceed 650 lbs/hr. (Basis: BAAQMD Regulation 2-1-403)
2. Effluent flow from Manufacturing Services Thermal Oxidizer (S-336) shall be routed to Stack P-260 per the following sequence: B-13 Quench, B-14A and B-14B Absorbers (A-86), B-15 Absorber (A-21) with Demister (A-54), B-16 Caustic Scrubber (A-410). (Basis: BAAQMD Regulation 2-1-403)
3. Nitrogen oxide (NO<sub>x</sub>) emissions shall not exceed 8.6 lbs/day as NO<sub>2</sub>. (Basis: Cumulative Increase, Offsets – contemporaneous reduction)
4. The S-336 Thermal Oxidizer shall achieve a minimum organic destruction efficiency of 99.99% by weight. (Basis: Cumulative Increase, Offsets – contemporaneous reduction)
5. To confirm compliance with Part #1, the owner/operator of S-336 shall maintain hourly records of the liquid waste feed rate to the S-336 Thermal Oxidizer. (Basis: BAAQMD Regulation 2-1-403)
6. During any time that the S-336, Thermal Oxidizer, is burning gaseous or liquid waste, the combustion chamber of S-336 shall be operated at a minimum temperature of 1745 degrees F. To confirm compliance with this condition, the owner/operator of S-336 shall continuously monitor and record the temperature of the combustion chamber. (Basis: Cumulative Increase, Offsets – contemporaneous reduction)
7. The records for Parts 5, 6, 8, and 9 shall be retained on-site for a period of five years from the date of last entry and made available to District personnel upon request. (Basis: Cumulative Increase, Offsets – contemporaneous reduction, BAAQMD Regulation 2-1-403, BAAQMD Regulation 2-6-501)
8. To demonstrate compliance with Part 3 above, the owner/operator shall conduct a source test to determine NO<sub>x</sub> emissions at least once every 5 years. The owner/operator shall notify the Manager of the District's Source Test Section at

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least seven (7) days prior to the test, to provide the District staff the option of observing the testing. Within 45 days of test completion, a comprehensive report of the test results and calculations shall be submitted to the Manager of the District's Source Test Section for review and disposition. (Basis: Cumulative Increase, Offsets – contemporaneous reduction, BAAQMD Regulation 2-6-501)

9. The pH of the A-410, B-16 Caustic Scrubber shall be maintained at a minimum pH of 7.6, as measured and recorded on an hourly rolling average value whenever liquid feed or process vents are fed to the Thermal Oxidizer, S-336. (Basis: BAAQMD Regulation 2-6-503)

### **Condition # 7775**

Application 9233, 16468

For S-644, T-34A Hydrochloric Acid Storage Tank,  
S-645, T-34B Hydrochloric Acid Storage Tank, and  
S-646, 36% Hydrochloric Acid Tank Truck Loading Operation  
A-179, X-39/B-39 Scrubber System  
A-180, HCl Tank Truck Loading Vapor Balance  
S-336, Manufacturing Services Thermal Oxidizer:

1. Combined throughput of hydrochloric acid at S-644 and S-645 shall not exceed 3,000,000 gallons in any consecutive 12-month period. (Basis: BAAQMD Regulation 2-1-403)
2. S-644 and S-645 shall be abated by either A-179 or S-336 at all times. A-179 shall be properly maintained and operated at all times that it is abating S-644 and S-645. (Basis: BAAQMD Regulation 2-1-403)
3. Throughput of 36% hydrochloric acid at S-646 shall not exceed 3,000,000 gallons in any consecutive 12-month period. (Basis: BAAQMD Regulation 2-1-403)
4. S-646 shall be abated by A-180 at all times. A-180 shall be properly maintained and operated at all times. A-180 shall be vented to either S-644, S-645, A-179, or S-336 at all times. (Basis: BAAQMD Regulation 2-1-403)
5. In order to demonstrate compliance with Parts 1 and 3, hydrochloric acid throughput at S-644, S-645, and S-646 shall be recorded in a District-approved log. These records shall be kept on site, summarized on a monthly basis, and made available for District inspection for a period of five years from the date on which a record is made. (Basis: BAAQMD Regulation 2-1-403, BAAQMD Regulation 2-6-501, BAAQMD Regulation 6-1-301)

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### Condition # 8591

Applications 9831, 16468

For S-654, Abrasive Blasting Operation

Abated by A-185, Eagle Containment Screens:

1. Total throughput of blast media (grit type) used for confined abrasive blasting at S-654 shall not exceed 270.4 tons in any consecutive twelve month period. (Basis: Cumulative Increase)
2. Total throughput of blast media (grit type) used for unconfined abrasive blasting at S-654 shall not exceed 33.8 tons in any consecutive twelve month period. (Basis: Cumulative Increase, BACT)
3. The owner/operator of S-654 shall maintain monthly records of blast media type and throughput; description of object resurfaced and, if necessary, method of blasting to demonstrate compliance with BAAMQD Regulation 12, Rule 4 requirements; certifications for all abrasives used in any unconfined dry blasting; and screen inspection results and the date of any repairs in a District-approved log. These records shall be retained on site for a minimum of five years from the date of entry and made available to District representatives upon request. (Basis: Cumulative Increase, BACT, BAAQMD Regulation 2-6-501)
4. Only California Air Resources Board-approved blast media shall be used for unconfined abrasive blasting. (Basis: BACT)
5. The A-185 Eagle Containment Screens at the S-654 Abrasive Blasting Operation shall be inspected on a weekly basis for screen integrity. If a hole is found in the screen it shall be repaired before the next confined blasting event. (Basis: BAAQMD Regulation 6-301/BAAQMD 2-1-403)

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### Condition # 8894

Application 9962, 17824, 16468, 8894

For S-431, Carbon Tetrachloride Pressure Vessel, D-260A:

For S-432, Carbon Tetrachloride Pressure Vessel, D-260B:

For S-647, Catalytic Hydrogen Chloride Plant:

For S-648, Hydrogen Chloride Adsorber, E-277:

For S-649, HCL Storage Tank, V-277:

For S-650, HCL Storage Tank, V-280A:

For S-651, HCL Storage Tank, V-280B:

For S-652, HCL Storage Tank, V-280C:

A-181, B-278 Packed Bed Column

A-182, B-279 Packed Bed Column

A-184, ME 290A/B Carbon Beds

S-336, Manufacturing Services Thermal Oxidizer

Catalytic Hydrogen Chloride Plant

### Conditions for S-431 & S-432

1. All valves in carbon tetrachloride service at S-431 and S-432 shall be of the "leakless" type (i.e. bellows sealed or diaphragm type). (Basis: Cumulative Increase, Regulation 2, Rule 5)
2. All emissions from S-431 and S-432 shall be abated by S-336 Thermal Oxidizer at all times. When S-336 Thermal Oxidizer is not in operation, S-431 and S-432 shall be operated as pressure vessels, with no emissions to the atmosphere. (Basis: Cumulative Increase, Regulation 2, Rule 5)

### Conditions for S-647

3. All process emissions from S-647 shall be vented to S-648. (Basis: Cumulative Increase, Regulation 2, Rule 5)
4. All pumps utilized in carbon tetrachloride service at S-647 shall be of the magnetic, coupled, sealess type. (Basis: Cumulative Increase, Regulation 2, Rule 5)
5. All pressure relief valves (PRVs) utilized in carbon tetrachloride service at S-647 shall be equipped with upstream rupture disks or soft-seats (O-Rings). (Basis: Cumulative Increase, Regulation 2, Rule 5)

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6. All valves in carbon tetrachloride service at S-647 shall be of the "leakless" type (i.e. bellows sealed or diaphragm type). (Basis: Cumulative Increase, Regulation 2, Rule 5)
7. Deleted.
8. The owner/operator of S-647 shall maintain monthly records of carbon tetrachloride throughput in a District-approved log. These records shall be retained on site for a minimum of five years from the date of entry and made available to District representatives upon request. (Basis: Cumulative Increase, Regulation 2, Rule 5, BAAQMD Regulation 2-6-501)

### Conditions for S-648

- \*9. Deleted.
10. S-648 shall be abated by A-181 (B-278) Packed Bed Scrubber and A-182 (B-279) Packed Bed Scrubber, in series. The A-182 Packed Bed Scrubber shall be vented to S-336 Thermal Oxidizer. (Basis: Cumulative Increase, Regulation 2, Rule 5)
11. Deleted
12. Deleted
13. Deleted
14. The owner/operator of S-648 shall maintain the following records in a District-approved log:
  - a. total hydrochloric acid throughput on a daily basis,  
These records shall be retained on site for a minimum of five years from the date of entry and made available to District representatives upon request. (Basis: Cumulative Increase, Regulation 2, Rule 5, BAAQMD Regulation 2-6-501)

### Conditions for S-649

- \*15. Deleted.
- \*16. S-649 shall be abated by A-181 (B-278) Packed Bed Scrubber and A-182 (B-279) Packed Bed Scrubber, in series. (Basis: Regulation 2, Rule 5)
- \*17. The owner/operator of S-649 shall maintain records of hydrochloric acid throughput in a District-approved log. These records shall be retained on site for a minimum of five years from the date of entry and made available to District



## VI. Permit Conditions

representatives upon request. (Basis: Regulation 2, Rule 5, BAAQMD Regulation 2-6-501)

Conditions for S-650, 651, & 652

- \*18. Deleted.
- \*19. S-650, S-651, & S-652 shall be abated by A-181 (T-278) Packed Bed Scrubber and A-182 (T-279) Packed Bed Scrubber, in series. (Basis: Regulation 2, Rule 5)
- \*20. The owner/operator of S-650, S-651, & S-652 shall maintain records of hydrochloric acid throughput in a District-approved log. These records shall be retained on site for a minimum of five years from the date of entry and made available to District representatives upon request. (Basis: Regulation 2, Rule 5, BAAQMD Regulation 2-6-501)

### Condition # 11054

Application 12515, 23595

Conditions for S-444, Dowtherm Heater, U-183:

1. The Dowtherm Heater (S-444) shall burn natural gas only. (Basis: BACT)
- 2a. This part shall apply until 1/1/2012. Except during periods of start-up or shutdown, the concentration of nitrogen oxide (NO<sub>x</sub>) emissions from S-444 shall not exceed 30 ppmvd at 3% oxygen. (Basis: BAAQMD Regulation 9-7-301)
- 2b. This part shall apply on and after 1/1/2012. Except during periods of start-up or shutdown, the concentration of nitrogen oxide (NO<sub>x</sub>) emissions from S-444 shall not exceed 9 ppmvd at 3% oxygen. (Basis: BAAQMD Regulation 9-7-307.5)
3. Except during periods of start-up or shutdown, the concentration of carbon monoxide (CO) emissions from S-444 shall not exceed 50 ppmvd at 3% oxygen. (Basis: BACT)
4. Deleted.
5. To demonstrate compliance with Part 2 above, the owner/operator shall conduct an initial source test to determine NO<sub>x</sub> and CO emissions within 3 months of installing the ultra Low NO<sub>x</sub> burner. The owner/operator shall conduct a source test for NO<sub>x</sub> and CO at least once every year (with test frequency being no less than 10 months and no more than 12 months from the last test date). The owner/operator shall notify the Manager of the District's Source Test Section at

## VI. Permit Conditions

least seven (7) days prior to the test, to provide the District staff the option of observing the testing. Within 45 days of test completion, a comprehensive report of the test results and calculations shall be submitted to the Manager of the District's Source Test Section for review and disposition. (Basis: BAAQMD Regulation 9-7-307.5, 9-7-506)

6. The owner/operator of S-444 shall maintain records of each startup and shutdown event, and source test records in a District-approved log. These records shall be retained on site for a minimum of five years from the date of entry and made available to District representatives upon request. (Basis: BAAQMD Regulation 2-6-501, BAAQMD Regulation 9-7-307.5)

### Condition # 11276

Applications 31263, 4451, 12387, 16468, 14909, 21795

For S-5, 720 Terminalized Products:

For S-6, 725 Terminalized Products:

For S-7, 725 Block Truck Loading:

For S-27, Terminalized Product Storage, T-605A:

For S-29, Terminalized Products, T-608A:

For S-30, Material Flow Tank, T-608B:

For S-31, Terminalized Products, T-609:

For S-33, Terminalized Products, T-727:

For S-35, Terminalized Products, T-773:

For S-151, Terminalized Products, T-614:

For S-153, Terminalized Products, T-604:

For S-482, Carbon Tetrachloride Rail Car Loading:

For S-483, Carbon Tetrachloride Rail Car Loading:

A-144, Vapor Balance System for 1,3-Dichloropropene Unloading

S-336, Manufacturing Services Thermal Oxidizer

S-389, Sym-Tet Thermal Oxidizer R-501

1. The following sources shall be abated by a Thermal Oxidizer (either S-336 or S-389) whenever non-exempt materials (materials with vapor pressure of 0.5 psia or greater) are being loaded or stored. The S-336 Thermal Oxidizer shall be the primary abatement device for these sources with S-389 acting as a backup abatement device.

S-5                      S-27                      S-31                      S-151                      S-482

S-6                      S-29                      S-33                      S-153                      S-483

S-7                      S-30                      S-35

(Basis: BAAQMD Regulation 8-5-306, BAAQMD Regulation 8-6-302, BAAQMD Regulation 8-6-304)

## VI. Permit Conditions

2. All of the sources listed in Part #1 shall have vapor tight connections to S-336 and S-389 with no detectable organic emissions. (Basis: BAAQMD Regulation 8-5-306, BAAQMD Regulation 8-6-306)
3. The Vapor Balance System for 1,3-dichloropropene (DCP) tank truck or railcar unloading (A-144) shall be properly maintained and operated and shall abate S-5 during any DCP unloading operation. (Basis: Cumulative Increase)
- \*4. The Vapor Balance System for Dowanol PM tank truck loading (A-153) shall be properly maintained and operated and shall abate S-6 during any Dowanol PM loading operation. (Basis: Voluntary Limit)
5. During all loading of non-exempt products at S-5, S-6, S-7, and S-482, the operator shall confirm that the vapor return line is registering vacuum before connecting the line. The operator shall also verify that there is a leak tight connection to the tank truck or railcar. (Basis: BAAQMD Regulation 8-6-306)
6. The owner/operator shall maintain records for all non-exempt product loading events, including the date, verification of vacuum, and leak tight connection to the tank truck or railcar. These records shall be retained on site for a minimum of five years from the date of entry and made available to District personnel upon request. (Basis: BAAQMD Regulation 2-1-403, BAAQMD Regulation 2-6-501, BAAQMD Regulation 8-6-306, BAAQMD Regulation 8-6-501.2)

### Condition # 14354

Application 16743, 16468

Conditions for S-680, Pressure Tank, T-440

S-681, Truck Transfer

A-191, Carbon Tetrachloride Tank Truck Loading Vapor Return Line:

1. The total carbon tetrachloride throughput for S-680 shall not exceed 5,669 gallons (74,720 pounds) during any consecutive 12-month period, except during tank interior inspections or in case of an emergency repair. (Basis: Cumulative Increase)
2. The total combined number of unloading (transfer) events at S-680 shall not exceed 5 during any calendar year. During tank interior inspection periods and in case of an emergency repair, the maximum number of transfers to empty or refill S-680 shall not exceed 5 in any one day, and the total number of transfers to empty and refill S-680 shall not exceed 20 for the event. The owner/operator shall only be allowed to perform one tank interior inspection event in a calendar year. (Basis: Cumulative Increase)

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3. The owner/operator of S-680 shall maintain records of carbon tetrachloride throughput and the date and number of loading/unloading events in a District-approved log. These records shall be retained on site for a minimum of five years from the date of entry and made available to District personnel upon request. (Basis: Cumulative Increase, BAAQMD Regulation 2-6-501)

### Conditions for S-681, Truck Transfer:

4. S-681 Carbon Tetrachloride Tank Truck Transfer Operation shall be abated by A-191 Vapor Balance System whenever carbon tetrachloride is being transferred from S-680 Storage Tank to tank truck, or vice versa. (Basis: Cumulative Increase, BAAQMD Regulation 8-6-302.1)
5. During all loading/unloading events at S-681, the operator shall confirm that the vapor return line is properly connected. The operator shall also verify that there is a leak tight connection to the tank truck. (Basis: BAAQMD Regulation 8-6-302, BAAQMD Regulation 8-6-304, BAAQMD Regulation 8-6-305, BAAQMD Regulation 8-6-306)
6. The owner/operator shall maintain records for all loading/unloading events, including the date, and verification of leak tight connection to the tank truck. These records shall be retained on site for a minimum of five years from the date of entry and made available to District personnel upon request. (Basis: BAAQMD Regulation 2-6-501, BAAQMD Regulation 8-6-302, BAAQMD Regulation 8-6-304, BAAQMD Regulation 8-6-305, BAAQMD Regulation 8-6-306)

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### Condition # 14438

Application 16769, 8894, 11244

Conditions for S-302, Dowicil Train 1;

S-303, Dowicil Train 2;

S-662, Storage Tank, T-243;

S-663, Storage Tank, T-242;

S-664, Storage Tank, T-244; and

A-192, Vent Recovery System

S-336, Manufacturing Services Thermal Oxidizer

S-389, Sym-Tet Thermal Oxidizer R-501

1. Deleted.
2. Deleted.
3. The Dowicil Plant, Trains 1 and 2 (S-302 and S-303), shall be abated by the properly operated and properly maintained A-192, Dowicil Plant Solvent Recovery System, during all hours of operation of S-302 and S-303. (Basis: BACT)
4. Emissions from the methylene chloride Storage Tanks (S-662, S-663, and S-664) shall be controlled by one of the following methods at all times:
  - a. Each tank shall be equipped with a pressure-vacuum valve set to 10 psig or higher, or
  - b. Each tank shall be abated by the A-192 Dowicil Solvent Recovery System, or
  - c. Each tank shall be abated by the S-389 Thermal Oxidizer, or
  - d. Each tank shall be abated by the S-336 Thermal Oxidizer.(Basis: Cumulative Increase, BAAQMD Regulation 8-5-306 or 307)
5. The A-192 Dowicil Solvent Recovery System shall be vented to the S-389 Thermal Oxidizer or the S-336 Thermal Oxidizer at least 89.0% of the total annual Dowicil Plant operating time. (Basis: BACT)
6. The A-192 Dowicil Plant Solvent Recovery System shall emit no more than 1233 pounds per day of methylene chloride. (Basis: BACT)
7. The owner/operator of A-192 shall demonstrate compliance with Part #6 by:
  - a. Measuring the gas flow rate from A-192 (Q in cubic feet per hour) on a continuous basis, integrated over a 24 hour period,
  - b. Measuring the temperature of the gas exiting A-192 (T in degrees F) on a continuous basis, integrated over a 24 hour period, and

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- c. Calculating the methylene chloride emission rate from A-192 using the following equation:

$$E = 0.15304 * Q * H * P / (T + 460)$$

Where,

E = methylene chloride emissions from A-192, pounds/day

Q = measured gas flow rate from A-192, cubic feet/hour

H = operating time for A-192, hours/day

T = measured temperature of gas from A-192, degrees F

P = vapor pressure of a gas saturated with methylene chloride at the measured temperature, mm Hg

(Basis: BACT)

8. The owner/operator of S-302, S-303, S-662, S-663, and S-664 shall demonstrate compliance with Parts #3 through #7 by maintaining the following records in a District approved log book:
- Daily records of the dry fungicide production rate (tons/day) from each Dowicil Train (S-302 and S-303) and the combined total for the Dowicil Plant, summarized on a monthly basis.
  - Daily records of the operating times and total operating hours for the Dowicil Plant and the A-192 Dowicil Solvent Recovery System, summarized on a monthly basis.
  - Monthly records of the methylene chloride throughput rate at each Storage Tank (S-662, S-663, and S-664).
  - Record the dates, times, and operating hours of all incidences of A-192 venting to the atmosphere instead of to S-389 or to S-336 while S-302 or S-303 are operating. Summarize the operating hours for A-192 venting to atmosphere on an annual basis.
  - Calculate the percentages of annual Dowicil operating time that A-192 was vented to the atmosphere and to either S-336 or S-389 using the data collected for b. and d. above.
  - Daily records of the A-192 exhaust flow rate, Q, measured pursuant to Part #7.a.
  - Daily records of the A-192 exhaust gas temperature, T, measured pursuant to Part #7.b.
  - Daily records of the A-192 methylene chloride emission rate, E, calculated pursuant to Part #7.c.

All records, including continuous temperature charts, shall be kept on site for a minimum of 5 years from the date of entry and shall be made available to District personnel upon request. (Basis: Cumulative Increase, BACT, BAAQMD Regulation 2-6-501)

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### Condition # 15932

Application 18750, 16468, 8894

For S-693, Distillation System:

For S-694, Reaction/HCL Absorption System:

For S-695, Storage Tank, T-580:

For S-696, Storage Tank, T-585:

For S-697, ISO Container Loading Operation:

For S-699, Purge Tank/Drum Loading Operation:

A-194, X-600 Venturi

A-195, B-615 Scrubber

Conditions for S-693 and S-694

1. Emissions from S-693 and S-694 combined shall not exceed 56.9 pounds of precursor organic compounds (POC) in any consecutive twelve-month period. (basis: Cumulative Increase, Offsets)
2. The owner/operator shall ensure that A-194 Venturi Scrubber X-600 abates S-693 Distillation System at all times. (basis: Regulation 2, Rule 5, Offsets)
3. The owner/operate shall operate A-194 Venturi Scrubber X-600 such that its alkali solution circulation rate is maintained at a minimum of 17 gallons per minute whenever FTF is being processed at S-693. (basis: Regulation 2, Rule 5, Offsets)
4. Deleted.
5. Deleted.
6. The owner/operator shall ensure that A-195 Packed Bed Scrubber B-615 abates S-694 Reaction/HCL Absorption System at all times. (basis: Cumulative Increase, Regulation 2, Rule 5)
7. The owner/operator shall ensure that the alkali solution circulation rate at A-195 Packed Bed Scrubber B-615 is maintained at a minimum of 50 gallons per minute whenever organic material is being processed at S-694. (basis: Cumulative Increase, Regulation 2, Rule 5)
8. The owner/operator of S-693 and S-694 shall maintain records of FTF and CTC throughput and alkali solution circulation rates for A-194 and A-195 on a weekly basis in a District-approved log. The POC emissions from S-693 and S-694 shall be calculated on a monthly basis to demonstrate compliance with Part 1. These

## VI. Permit Conditions

records shall be retained on site for a minimum of five years from the date of entry and made available to District personnel upon request. (basis: Cumulative Increase, Offsets, Regulation 2, Rule 5, BAAQMD Regulation 2-6-501)

### Conditions for S-695, S-696, and S-697

9. Emissions from sources S-695, S-696, and S-697 combined shall not exceed 198.9 pounds of POC in any consecutive twelve-month period. (basis: Cumulative Increase)
10. S-695 and S-696 may not store any liquid containing organic compounds with a vapor pressure greater than 0.5 psia. (Basis: BAAQMD Regulation 2-1-301)
11. Deleted.
12. The owner/operator shall ensure that S-697 ISO Container Loading Operation is abated by a properly connected and operated vapor balance system whenever FTF is being transferred from S-695 and/or S-696 Storage Tanks to ISO containers. (basis: Cumulative Increase)
13. The owner/operator of S-695, S-696, and S-697 shall maintain the following records in a District-approved log:
  - a. FTF throughput at S-695, S-696, and S-697 as well as throughput and vapor pressure of any other liquid stored on a weekly basis,
  - b. the date and verification of leak tight connection at S-697, and
  - c. calculations of POC emissions from S-695, S-696, and S-697 on a monthly basis for the previous 12-month period to demonstrate compliance with Part 9.These records shall be retained on site for a minimum of five years from the date of entry and made available to District personnel upon request. (basis: Cumulative Increase, BAAQMD Regulation 2-6-501)

### Conditions for S-699

14. The owner/operator shall ensure that the distillation system purge stream (halogenated pyridine) throughput at S-699 Purge Tank/Drum Loading does not exceed 30,000 gallons totaled over any consecutive twelve month period. (basis: Cumulative Increase)
15. The owner/operator of S-699 shall maintain records of distillation system purge stream throughput on a weekly basis in a District-approved log. These records shall be retained on site for a minimum of five years from the date of entry and



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made available to District personnel upon request. (basis: Cumulative Increase, BAAQMD Regulation 2-6-501)

### **Condition # 15944**

Applications 18794, 8894

Conditions for S-684, Dowicil Packaging System

A-193, Cartridge Dust Collector System:

1. Abated particulate emissions (PM10) from S-684 shall not exceed 2.3 lbs in any consecutive 12-month period. (basis: Cumulative Increase)
2. S-684 shall be abated by A-193 Cartridge Dust Collector whenever S-684 is in operation. (basis: Cumulative Increase, BAAQMD Regulation 6-1)
3. The owner/operator of A-193 shall monitor backpressure on a weekly basis to ensure that the automatic pulsejet cleaning cycle is operating properly. (basis: BAAQMD Regulation 2-1-403, BAAQMD Regulation 6-1)
4. The owner/operator of S-684 shall maintain records of material throughput on a monthly basis and A-193 back pressure readings on a weekly basis in a District-approved log. Particulate emissions shall be calculated each month to demonstrate compliance with Part 1. These records shall be retained on site for a minimum of five years from the date of entry and made available to District personnel upon request. (basis: Cumulative Increase, BAAQMD Regulation 1-441, BAAQMD Regulation 2-6-501, BAAQMD Regulation 6-1, BAAQMD Regulation 2-1-403)

### **Condition # 16612**

Conditions for S-701, Storage Tank

S-336, Manufacturing Services Thermal Oxidizer:

- \*1. The total amount of organic materials stored at S-701 shall not exceed 100,000 gallons during any consecutive 12-month period. (Basis: Regulation 2, Rule 5)
2. The S-701, Storage Tank, shall either be vented to the S-336, Manufacturing Services Thermal Oxidizer, or be operated as a vapor tight pressure tank. (Basis: BAAQMD Regulation 8-5-301, BAAQMD Regulation 8-5-306 or 307)
3. In order to demonstrate compliance with Part #1, the owner/operator of S-701 shall maintain monthly records of the type and amount of materials stored at S-701. All records shall be kept on site for at least 5 years from the date of entry and

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shall be made available to District staff upon request. (Basis: Regulation 2, Rule 5, BAAQMD Regulation 2-6-501, BAAQMD Regulation 8-5-501.1)

### Condition # 17985

Applications 2160, 6290, 11591, 16468, 14668  
For S-4, Central Rail Loading Rack, Acid, TC-1;  
For S-434, Manufacturing Services Facility;  
For S-576, HCl Storage Tank, T-122;  
For A-85, B-102 Absorber;  
A-87, HCl Absorber/Heat Exchanger H-109;  
A-199, Caustic Scrubber;  
S-336, Manufacturing Services Thermal Oxidizer

1. The owner/operator shall not operate the HCl Rail Car Loading Operations (S-4) unless it is abated by either the S-336 Thermal Oxidizer, or by A-199 Caustic Scrubber, during all times that hydrochloric acid is being loaded. (Basis: BAAQMD Regulation 6-1-310 and BAAQMD Regulation 7-300/BAAQMD Regulation 2-1-403)
2. The owner/operator shall ensure emissions from the S-434 Manufacturing Services Facility are abated by either the Manufacturing Services Thermal Oxidizer (S-336) or the Acid Absorbers (A-87 and A-85) and A-199 Caustic Scrubber in series or the Caustic Scrubber (A-199). (Basis: BAAQMD Regulation 6-1-310 and BAAQMD Regulation 7-300/BAAQMD Regulation 2-1-403)
3. The owner/operator shall ensure the Hydrochloric Acid Storage Tank T-122 (S-576) is abated by the properly operating Acid Absorbers (A-87 and A-85) and the Caustic Scrubber (A-199), in series, at all times when S-576 is operating. (Basis: BAAQMD Regulation 6-1-310 and BAAQMD Regulation 7-300/BAAQMD Regulation 2-1-403)
4. The owner/operator shall allow no detectable leaks in Storage Tank T-122 (S-576) or the piping to abatement devices A-87, A-85, and A-199. (Basis: BAAQMD Regulation 6-1-310 and BAAQMD Regulation 7-300/BAAQMD Regulation 2-1-403)
5. The owner/operator shall ensure that S-576 is blocked in, with no detectable emissions, whenever A-87, A-85, or A-199 is out of service. (Basis: BAAQMD Regulation 6-1-310 and BAAQMD Regulation 7-300/BAAQMD Regulation 2-1-403)

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6. The owner/operator shall ensure that the pH at the A-199 Caustic (NaOH) Scrubber is greater than or equal to 8.5 and that the caustic concentration is greater than 1% by weight of sodium hydroxide (NaOH). (Basis: BAAQMD Regulation 6-1-310/BAAQMD Regulation 2-1-403)
7. The owner/operator shall test the caustic solution in the A-199 Caustic Scrubber at least once per calendar day to determine pH and weight percent of NaOH concentration. (Basis: BAAQMD Regulation 6-1-310/BAAQMD Regulation 2-1-403)
8. The owner/operator shall maintain daily records of all test results from Part 7 above. All records shall be retained on site for a minimum of five years from the date of entry and shall be made available to District personnel upon request. (Basis: BAAQMD Regulation 2-6-501, BAAQMD Regulation 6-1-310/BAAQMD Regulation 2-1-403)
9. The owner/operator shall ensure that the total amount of hydrochloric acid produced at the S-434 Manufacturing Services Facility shall not exceed 108,300 tons of hydrochloric acid (calculated as 36% HCl) during any consecutive 12 month period. In order to demonstrate compliance with this part, the Permit Holder shall maintain monthly records of the total amount of 36% HCl produced at S-434. These records shall be kept onsite or made available for District staff upon request for at minimum of five years from the entry date. (Basis: Cumulative Increase, Toxic Risk Management Policy, BAAQMD Regulation 2-6-501)

### Condition # 19356

Revised 11/19/02

1. The owner/operator shall insure that the S-1011 Boiler be fired exclusively with natural gas at a firing rate not to exceed 306.5 MMBtu/hr. [Basis: BACT, Cumulative Increase]
2. The owner/operator shall insure that the S-1011 Boiler be abated by the properly operated and maintained A-1011 Selective Catalytic Reduction System (SCR) during normal operations. The boiler may be operated without SCR provided the NOx mass limit in Condition #3 is met. [Basis: BACT]
3. The owner/operator shall insure that the emissions of nitrogen oxides (NOx) not exceed 9 ppmv (reference 3 percent O<sub>2</sub>, dry), averaged over any rolling 3 hour period, when firing natural gas with SCR. When the heat input to the boiler drops below 76 MMBtu/hr (25% of rated heat input), the NOx concentration may

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- exceed 9 ppmv (reference 3 percent O<sub>2</sub>, dry) provided that NO<sub>x</sub> emissions do not exceed 0.82 lbs/hr, averaged over any rolling 3-hour period. [Basis: BACT]
4. The owner/operator shall insure that the emissions of carbon monoxide (CO) not exceed 50 ppmv (reference 3 percent O<sub>2</sub>, dry) averaged over any rolling 3 hour period. [Basis: BACT]
  5. The owner/operator shall insure that the emissions of ammonia do not exceed 10 ppmv (reference 3 percent O<sub>2</sub>, dry) averaged over any rolling 3 hour period. [Basis: BACT]
  6. The owner/operator shall insure that the emissions of PM-10 not exceed 1.53 lbs/hr. [Basis: BACT]
  7. Deleted 11/19/02
  8. The owner/operator shall insure that the visible particulate emissions from S-1011 Boiler not exceed Ringelmann 1.0. [Regulation 6-301]
  9. The limits specified in conditions 3 and 4 shall not apply during startup periods not exceeding 3 hours and shutdown periods not exceeding 2 hours for source S-1011. [Basis: Regulation 2-1-403]
  10. "Startup" shall mean that period of time commencing with the introduction of fuel to the boiler, and ending when the boiler has achieved compliance with two consecutive data CEMS points for the emission limits contained in Conditions 3 and 4, not to exceed 3 hours. [Basis: Regulation 2-1-403]
  11. "Shutdown" shall mean that period of time during which the boiler in question is being taken out of service. This period commences when either of the emission limits in Conditions 3 and 4 are exceeded and ends at fuel cutoff, not to exceed 2 hours. [Basis: Regulation 2-1-403]
  12. In order to demonstrate compliance with parts 3, 4, 5 and 6 above, the owner/operator shall perform a District approved source test at least once every 8,000 hours of boiler operation or at least once every 3 years, whichever comes first, in accordance with the District's Manual of Procedures. The owner/operator notify the Manager of the District's Source Test Section at least seven (7) days prior to the test, to provide the District staff the option of observing the testing. Within 60 days of test completion, a comprehensive report of the test results shall be submitted to the Manager of the District's Source Test Section for review and disposition. (basis: Regulation 2-1-403).

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13. Cumulative emissions from the S-1011 Boiler shall not exceed the following limits during any consecutive twelve-month period:
  - a. 6.0 tons of NO<sub>x</sub> (as NO<sub>2</sub>) per year [Basis: Offsets]
  - b. 20.3 tons of CO per year [Basis: Cumulative Increase]
  - c. 0.7 tons of POC (as CH<sub>4</sub>) per year [Basis: Offsets]
  - d. 2.7 tons of PM<sub>10</sub> per year [Basis: Offsets]
  - e. 0.4 tons of SO<sub>2</sub> per year [Basis: Cumulative Increase ]
  
14. The owner/operator shall comply with the following requirements:
  - a. The boiler exhaust stack shall be equipped with permanent platforms and sampling ports.
  - b. The ammonia injection system shall be equipped with an operational ammonia flowmeter and injection pressure indicator accurate to plus or minus five percent at full scale and calibrated once every twelve months.
  - c. The boiler exhaust shall be equipped with continuously recording emissions monitors (CEM) for NO<sub>x</sub>, CO and O<sub>2</sub> or CO<sub>2</sub>. Continuous emissions monitors shall comply with the requirements of 40 CFR Part 60, Appendices B and F and shall be capable of monitoring concentrations and mass emissions during normal operating conditions and during startups and shutdowns.
  - d. The fuel heat input rate shall be continuously recorded using District-approved fuel flow meters along with quarterly fuel compositional analyses for the fuel's higher heating value (wet basis).
  - e. The total sulfur content of the fuel gas shall be analyzed on a quarterly basis.
  - f. Monitoring of PM-10, POC and NH<sub>3</sub> shall use a District approved calculation based on source testing.

[Basis: Monitoring & record keeping, Regulation 1-520.1]
  
15. To determine compliance with the above conditions, the Owner/Operator shall maintain records and provide all of the data necessary to evaluate compliance with the above conditions, including the following information:
  - a. Monthly records of the quantity of natural gas (therms) fired in S-1011.
  - b. Monthly records of the number and duration (hours) of shutdowns and startups.
  - c. Monthly records of the number of hours of boiler operation with and without SCR.
  - d. Monthly records of the emissions of NO<sub>x</sub>, CO, POC and SO<sub>2</sub>.
  - e. Monthly records shall be totaled for each consecutive 12-month period
  - f. Monitoring of a pollutant not measured by the CEM shall use a District approved calculation based on source testing.

All records shall be retained on site for five years, from the date of entry, and made available for inspection by District staff upon request. These recordkeeping

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requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations. [Basis: monitoring & record keeping, Regulation 1-520.1]

16. Commissioning period condition deleted 8/25/05.
17. Commissioning period condition deleted 8/25/05.
18. Commissioning period condition deleted 8/25/05.

### **Condition # 19724**

For S-709, IC Engine Backup Generator, 471A:

- \*1. Hours of Operation: The emergency standby engine (S-709) shall only be operated to mitigate emergency conditions or for reliability-related activities. Operation while mitigating emergency conditions is unlimited. Operation for reliability-related activities is limited to 50 hours per any calendar year per engine. (Basis: BAAQMD Regulation 9-8-330)
- \*2. "Emergency Conditions" is defined as any of the following:
  - a. Loss of regular natural gas supply.
  - b. Failure of regular electric power supply.
  - c. Flood mitigation.
  - d. Sewage overflow mitigation.
  - e. Fire.
  - f. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor.(Basis: BAAQMD Regulation 9-8-231)
- \*3. "Reliability-related activities" is defined as any of the following:
  - a. Operation of an emergency standby engine to test its ability to perform for an emergency use, or
  - b. Operation of an emergency standby engine during maintenance of a primary motor.(Basis: BAAQMD Regulation 9-8-232)
- \*4. The emergency standby engine (S-709) shall be equipped with either:
  - a. a non-resettable totalizing meter that measures and records the hours of operation for the engine, or
  - b. a non-resettable fuel usage meter.(Basis: BAAQMD Regulation 9-8-530)

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- \*5. Records: The Permit Holder shall maintain the following records in an APCO-approved log:
- Monthly records of the total hours of operation for the engine (S-709).
  - Monthly records of any hours of operation for emergency conditions.
  - For each emergency, describe the nature of the emergency condition.
- All records shall be kept on site for at least five years from the date of entry and shall be made available for District inspection upon request. These record keeping requirements do not replace the record keeping requirements contained in any applicable rules or regulations. (Basis: BAAQMD Regulation 1-441, BAAQMD Regulation 2-6-501, BAAQMD Regulation 9-1-304, and BAAQMD Regulation 9-8-530)

### **Condition #20666**

Dow Chemical Company, Plant #31  
Application #10213

- The OPW EVR Phase I Vapor Recovery System, including all associated plumbing and components, shall be operated and maintained in accordance with the most recent version of California Air Resources Board (CARB) Executive Order VR-102. Section 41954(f) of the California Health and Safety Code prohibits the sale, offering for sale, or installation of any vapor control system unless the system has been certified by the state board.
- The owner or operator shall conduct and pass a Rotatable Adaptor Torque Test (CARB Test Procedure TP201.1B) and either a Drop Tube/Drain Valve Assembly Leak Test (TP201.1C) or, if operating drop tube overfill prevention devices ("flapper valves"), a Drop Tube Overfill Prevention Device and Spill Container Drain Valve Leak Test (TP201.1D) at least once in each 36- month period. Measured leak rates of each component shall not exceed the levels specified in VR-102. The applicant shall notify Source Test by email at [gdfnotice@baaqmd.gov](mailto:gdfnotice@baaqmd.gov) or by FAX at (510) 758-3087, at least 48 hours prior to any testing required for permitting. Test results for all performance tests shall be submitted within fifteen (15) days of testing. Start-up tests results submitted to the District must include the application number and the GDF number. (For annual test results submitted to the District, enter "Annual" in lieu of the application number.) Test results may be submitted by email ([gdfresults@baaqmd.gov](mailto:gdfresults@baaqmd.gov)), FAX (510) 758-3087 or mail (BAAQMD Source Test Section, Attention Hiroshi Doi, 939 Ellis Street, San Francisco CA 94109).

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### Condition #20826

Application 16468

For: S-286, Railcar Purging Facility at Car-Barn

Abated by A-55, Maintenance – Packed Bed Scrubber

1. Effective 60 days after the issuance of the Major Facility Review Permit, the S-286, Railcar Purging Facility at Car-Barn shall be checked for visible emissions on a daily basis whenever HCl railcars are being purged. The visible emission check shall be performed while the equipment is operating and during daylight hours. If visible emissions are detected, the operator shall take corrective action and check for visible emissions following the corrective action. (Basis: BAAQMD Regulation 6-1-310/BAAQMD Regulation 2-1-403)
2. The operator shall maintain records of all visible emission check results and any corrective actions taken. These records shall be kept on site for a minimum of five years from the date of entry and shall be made available to District personnel upon request. (Basis: BAAQMD Regulation 2-6-501, BAAQMD Regulation 6-1-310/BAAQMD Regulation 2-1-403)

### Condition # 21059

Application 16468

S-28, T-605B Material Flow

S-36, N-Serve Plant Storage

S-45, T-1 N-Serve

S-56, T-31 N-Serve

S-57, T-32 N-Serve

S-61, T-780 N-Serve

S-62, T-781 N-Serve

S-63, T-782 N-Serve

S-346, T-241

S-372, T-20 Block 560 Storage Tank

S-382, N-Serve Unit Storage T-783

S-383, Petroleum Hydrocarbon Distillate Tank

S-407, T-728 N-Serve Formulation Tank

S-447, T-774

S-466, Plant 663 T-408A Intermediate Product Storage

S-467, Plant 663 T-408B Intermediate Product Storage

S-498, Sym Tet T-102 Storage Tank

S-625, T-610 Perc Expansion Tank

1. The following tanks may not store any liquid containing organic compounds with a vapor pressure greater than 0.5 psia: S-28, S-36, S-45, S-56, S-57, S-61, S-62,



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S-63, S-346, S-372, S-382, S-383, S-407, S-447, S-466, S-467, S-498, S-625.  
(Basis: BAAQMD Regulation 2-1-301)

2. The owner/operator shall maintain records of the type, throughput, and vapor pressure of liquids stored. These records shall be kept on site for a minimum of five years from the date of entry and shall be made available to District personnel upon request. (Basis: BAAQMD Regulation 2-1-403, BAAQMD Regulation 2-6-501)

### **Condition #21061**

Application 16468

For S-229, Latex Plant Tank Car Unloading

1. During all unloading events the operator shall confirm that the vapor return line is connected. The operator shall also verify that there is a leak tight connection between the tank car and the off load line. (Basis: BAAQMD Regulation 8-6-302, BAAQMD Regulation 8-6-304, BAAQMD Regulation 8-6-306)
2. The operator shall keep records that vapor return line connection has been verified and that the connection between the railcar and the off load line is leak tight. These records shall be kept on site for a minimum of five years from the date of entry and shall be made available to District personnel upon request. (Basis: BAAQMD Regulation 8-6-302, BAAQMD Regulation 8-6-304, BAAQMD Regulation 8-6-306, BAAQMD Regulation 2-6-501)

### **Condition #22850**

**S-800, Diesel Engine Backup Generator**

1. The owner/operator shall not exceed 50 hours per year per engine for reliability-related testing. [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]
2. The owner/operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, State or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, State or Federal emission limits is not limited. [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

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3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained. [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]
4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
  - a. Hours of operation for reliability-related activities (maintenance and testing).
  - b. Hours of operation for emission testing to show compliance with emission limits.
  - c. Hours of operation (emergency).
  - d. For each emergency, the nature of the emergency condition.
  - e. Fuel usage for each engine(s).[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]
5. At School and Near-School Operation: If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply:

The owner/operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:

  - a. Whenever there is a school sponsored activity (if the engine is located on school grounds)
  - b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session."School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, athletic field, or other areas of school property but does not include unimproved school property. [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

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### Condition #23250

Application 15133

For S-465, Product Dryer

A-95, F-413 Bag Filter

A-114, C-414 Vacuum System with condenser:

1. The owner/operator shall only operate S-465 when the unit is abated by the bag filter (A-95) and the vacuum system and condenser (A-114). (Basis: Cumulative Increase; Regulation 6, Rule 1)
2. The owner/operator shall equip the bag filter (A-95) with a device for measuring the pressure differential across the bag filter. The owner/operator shall check on a quarterly basis that the lines to the pressure differential measurement device are not plugged. (Basis: Regulation 6-1-301, 6-1-310, 6-1-311, 2-1-403)
3. The owner/operator shall inspect the bag filter (A-95) on a weekly basis to ensure proper operation. The following items shall be checked:
  - a. The pressure differential across the bag filter shall be checked weekly while the system is in a drying cycle and under vacuum. This pressure differential shall be recorded in a log. The maximum pressure differential across the bag filter shall not exceed 400 mm Hg absolute.
  - b. The material collected by the bag filter shall be removed in a timely manner to maintain compliance with 3(a) above.
  - c. The bag filter cleaning system shall be maintained and operated at sufficient intervals to maintain compliance with 3(a) above.(Basis: Regulation 2-1-403)
4. In order to demonstrate compliance with the above permit conditions, the following records shall be maintained in a District approved log. These records shall be kept on site and made available for District inspection for a period of at least five years from the date on which a record is made.
  - a. Records of all inspections (including differential pressure readings) and all maintenance work including bag replacement for the bag filter. Records of each inspection shall consist of a log containing the date of inspection and the initials of the personnel that inspects the bag filter.(Basis: Regulation 1-441)

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### Condition #24289

This facility's annual gasoline throughput shall not exceed 20,000 gallons in any consecutive 12 month period. (Basis: Voluntary Limit)

### Condition #24763

S-718 Nitrapyrin Plant

1. The owner/operator of the Nitrapyrin plant shall construct and operate the plant as described in Application No. 21858, 24429,25438, 26661 and 28555. The owner/operator shall submit a permit application to the District for approval, prior to any increases in capacity or throughput above levels in these Applications. [Basis: 2-2-419]
2. Within 30 days of District's issuance of the Permit to Operate for Application 21858 or the completion of the Nitrapyrin Plant, the Owner/Operator shall provide the District's Engineering Division with a final count of all fugitive components and each component's unique permanent identification codes for this project. The owner/operator has been permitted to install the following fugitive components:
  - 1198 valves;
  - 4572 connections (flanges, connectors);
  - 31 pumps;
  - 48 pressure relief devices;
  - 8 compressors[Basis: Cumulative Increase, Offsets, Regulation 2-5]
3. The Owner/Operator shall comply with a leak standard of 100 ppm of TOC (measured as C1) at any valves installed as part of the Nitrapyrin Plant in organic liquid service unless the Owner/Operator complies with the applicable minimization and repair provisions contained in Regulation 8-18. [Basis: BACT, Regulation 8 Rule 18]
4. The Owner/Operator shall comply with a leak standard of 100 ppm of TOC (measured as C1) at any flanges and/or connectors installed as part of the Nitrapyrin Plant in organic liquid service unless the Owner/Operator complies with the applicable minimization and repair provisions contained in Regulation 8-18. [Basis: Regulation 8 Rule 18]
5. The Owner/Operator shall comply with a leak standard of 500 ppm of TOC (measured as C1) at any pumps in organic liquid service installed as part of the

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Nitrapyrin Plant unless the Owner/Operator complies with the applicable minimization and repair provisions contained in Regulation 8-18. [Basis: Regulation 8 Rule 18, Cumulative Increase, Offsets]

6. The Owner/Operator shall conduct inspections of fugitive components installed as part of the Nitrapyrin Plant in organic liquid service in accordance with the frequency below:
  - Pumps: Quarterly
  - Valves: Quarterly
  - Connectors (Not Flanges): Biannual Flanges: Biannual[Basis: 2-2-419, Regulations 8 Rule 18]
7. The Owner/Operator shall not exceed 0.891 tons of POC emissions per consecutive 12 month period measured as C1 from all fugitive components installed as part of the Nitrapyrin Plant in organic liquid service. The Owner/Operator shall not exceed 9.9 lb/day of POC measured as C1 from all fugitive components. If the TOC concentration (as C1) measured at any component at the Nitrapyrin plant exceeds the concentration standards contained in parts 3 through 5, then the owner/operator shall estimate daily emissions from all Nitrapyrin fugitive components using a District approved method. The owner/operator shall continue to estimate daily emissions from all fugitive components at the Nitrapyrin plant until the leak rate of TOC (as C1) from each component at the Nitrapyrin plant is less than the concentration standards contained in parts 3 through 5. [Basis: 2-2-419, Cumulative Increase, Offsets]
8. The owner/operator shall calculate the fugitive emissions from all Nitrapyrin Plant components on a 12-month rolling average basis and a daily basis (as necessary) to demonstrate compliance with part 7 using District approved methodology. The owner/operator shall maintain monthly records of monitoring results, fugitive emission calculations, component counts, and unique permanent identification codes for each component. These records shall be maintained onsite for inspection by District staff for a period of 5 years. [Basis: 2-2-419, Cumulative Increase, Offsets, Recordkeeping]
9. The owner/operator shall ensure that total rail car shipments for the Nitrapyrin Formulation Plant 540 (S-718, S-719, S-720, S-721, S-724, S-725, S-729, S-727, S-728, S-730, S-731, S-732, S-733, and S-596) do not exceed 271 rail cars per consecutive 12-month period and truck trips not to exceed 223 per consecutive 12 month period. To demonstrate compliance with this part, the owner/operator shall maintain monthly records of the number of rail car shipments and truck trips to the Nitrapyrin Formulation Plant, totaled for each rolling consecutive 12-month period. (Basis: Cumulative Increase)

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### Condition #24779

#### S-483 Carbon Tetrachloride Loading

1. Within 30 days of District's issuance of the Permit to Operate for S-483, the Owner/Operator shall provide the District's Engineering Division with a final count of all fugitive components and each component's unique permanent identification codes in this project. The owner/operator has been permitted to install the following fugitive components that shall be required to meet current District BACT guidelines at the time of installation:
  - 8 valves in organic service;
  - 20 connectors in organic service;[Basis: Cumulative Increase, offsets, Regulation 2-5]
2. The Owner/Operator shall comply with a leak standard of 100 ppm of TOC (measured as C1) at any valves installed at S-483 in organic service unless the Owner/Operator complies with the applicable minimization and repair provisions contained in Regulation 8-18. [Basis: Regulation 8 Rule 18]
3. The Owner/Operator shall comply with a leak standard of 100 ppm of TOC (measured as C1) at any flanges and/or connectors installed at S-483 in organic service unless the Owner/Operator complies with the applicable minimization and repair provisions contained in Regulation 8-18. [Basis: Regulation 8 Rule 18]
4. The Owner/Operator shall conduct inspections of fugitive components installed at S-483 in organic service in accordance with the frequency below:
  - Valves: Quarterly
  - Connectors (Not Flanges): Biannual
  - Flanges: Biannual[Basis: Cumulative Increase, Regulation 8 Rule 18, Regulation 2 Rule 5]
5. The Owner/Operator shall not exceed 0.335 tons of POC emissions per consecutive 12 month period measured as C1 from for all fugitive components installed at S-483 in organic service. Compliance with this provision shall be verified quarterly using methods described in part 6. [Basis: Cumulative Increase, offsets]
6. If all of the fugitive components installed at S-483 in organic service are leaking at a rate less than 5000 ppm of TOC (measured as C1) in any calendar quarter, no further verification and no submittal of the results shall be required. If any of the fugitive components installed at S-483 in organic service are leaking at a rate equal to or greater than 5,000 ppm of TOC (measured as C1) in any calendar quarter, the owner/operator shall conduct an annual emissions estimate in order to

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demonstrate compliance with part 5 and shall submit the results to the district within 30 days of the annual emissions calculation. For any calendar quarter in which one or more of these components is leaking at a rate equal to or greater than 10,000 ppm of TOC (measured as C1), the Owner/Operator shall calculate and submit a report of fugitive emissions from all S-483 fugitive components in organic service utilizing District approved methods for the consecutive 12 month period ending with the current quarter. This calculation shall continue each quarter until there is not a quarter containing a pegged leaker. For leaking components the owner/operator shall use a District approved calculation method and LeakDAS. The Owner/Operator shall include emissions estimates from all S-483 fugitive components in organic service regardless of the component Rule 8-18 repair status in order to demonstrate compliance with part 5. [Basis: Cumulative Increase, Offsets]

7. The Owner/Operator shall keep a District-approved log of monitoring results and any annual emissions estimates required per part 6 for at least five years from date of entry. The log shall be retained on site and made available to district staff upon request. [Basis: offsets, recordkeeping]

### Condition #25675

1. Operating for reliability-related activities is limited to no more than 50 hours per year per engine which is the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25. This emergency fire pump is subject to the current National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems." [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations]
2. The owner or operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, state or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, state or Federal emission limits is not limited. [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(B)(3)]
3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated

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and properly maintained. [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection(e)(4)(G)(1)]

4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
  - a. Hours of operation for reliability-related activities (maintenance and testing).
  - b. Hours of operation for emission testing to show compliance with emission limits.
  - c. Hours of operation (emergency).
  - d. For each emergency, the nature of the emergency condition.
  - e. Fuel usage for each engine(s).

[Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(4)(I), (or, Regulation 2-6-501)]

5. At School and Near-School Operation:  
If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply:  
The owner or operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:
  - a. Whenever there is a school sponsored activity (if the engine is located on school grounds)
  - b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session."School" or "School Grounds" means any public or private school used for the purposes of the education of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include private home(s). "School or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property.



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### Condition #26192

#### Compliance Assurance Monitoring (CAM) Permit Condition

For the following sources:

- S-151 T-614 Terminalized Products abated by S-336 or S-389
- S-633 Water Treatment Carbon Beds Regeneration abated by S-336 or S-389
- S-434, Carbon Tetrachloride Purification System, abated by S-336
- S-446 Sym-Tet S-Plant abated by S-389
- S-302 Dowicil Train 1, abated by S-336 or S-389
- S-303 Dowicil Train 2 abated by S-336 or S-389
- S-322 D-203 A/B Portable Dryers abated by S-336 or S-389
- S-631 D-203 C Portable Resin Dryer abated by S-336 or S-389
- S-504 Chlorinolysis Train 1 abated by A-400 (S-400)
- S-505 Chlorinolysis Train 2 abated by A-400 (S-400)

For the following abatement devices:

- S-336 Halogenated Acid Furnace: Manufacturing Service Thermal Oxidizer
- S-389 Halogenated Acid Furnace: Sym-Tet Thermal Oxidizer, R-501
- A-400 (S-400) R-901 Thermal Oxidizer

#### For all sources and abatement devices listed above:

1. The owner/operator of the above sources and their associated abatement devices shall submit a monitoring report to the District in accordance with 40 CFR Part 70.6(a)(3)(iii). The report shall include all of the following information:
  - a. Summary of the number, duration, and cause of exceedances/excursions and the corrective actions taken. (Basis: 40 CFR Part 64.9(a)(2))
  - b. Summary of the number, duration, and cause of monitoring equipment downtime incidents, other than routine downtime for calibration checks. (Basis: 40 CFR Part 64.6c(3), 64.9(a)(2))
2. The owner/operator shall keep the records of the temperature, calibrations, and test results required by these conditions for at least 5 years and shall make the records available to District staff upon request. (Basis: Regulation 2-6-501 Recordkeeping)

#### For the sources listed in this condition abated by S-336:

3. The owner/operator shall conduct a District approved Destruction Removal Efficiency test (40 CFR Part 63 Subpart EEE methodology) during the periodic Compliance Performance Test performed to comply with 40 CFR Part 63 Subpart EEE conducted on S-336 to demonstrate compliance with the requirement

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contained in District condition 6859 part 4 (minimum organic destruction efficiency of 99.99% by weight). (Basis: 40 CFR Part 63 Subpart EEE, 40 CFR Part 64.4(b), Regulation 2-6-503)

4. The following definitions apply to the Compliance Assurance Monitoring Plan for sources with associated abatement device (S-336) to ensure compliance:
  - a. For S-336, an exceedance and excursion are the same; defined as any monitored combustion chamber temperature below 952 C (1745 F) while the unit is processing liquid and/or organic gas feed streams. (Basis: 40 CFR Part 64.6(c)(2))
5. The owner/operator shall equip the thermal oxidizer with a thermocouple sensor, installed in the incinerator chamber or outlet as an integral part of the thermal oxidizer design. The thermocouple shall be calibrated or replaced on an annual basis. The acceptance criterion if validating by calibration is  $\pm 4$  C. (Basis: 40 CFR Part 60 Subpart EEE, 40 CFR Part 64.3, Regulation 2-6-503)
6. The owner/operator shall operate the thermal oxidizer so that the thermocouple measures combustion chamber temperature continuously. Measurements shall be recorded electronically as hourly rolling averages at least once each 15 minutes. (Basis: 40 CFR 64.3(b)(4))
7. The owner/operator shall ensure that all liquid and organic gas feeds are shut off any time the combustion chamber temperature of S-336 is less than 952 C (1745 F). If exceedances or excursions continue to occur, the District may require the owner/operator to develop and implement a Quality Improvement Plan (QIP). (Basis: 40 CFR Part 64.8)

### **For the sources listed in this condition that are abated by S-389:**

8. The owner/operator shall conduct a District approved Destruction Removal Efficiency test (40 CFR Part 63 Subpart EEE methodology) during the periodic Compliance Performance Test performed to comply with 40 CFR Part 63 Subpart EEE conducted on S-389 (ST HAF) to demonstrate compliance with the requirement contained in District condition 2039 part 5 (minimum organic destruction efficiency of 99.99% by weight). (Basis: 40 CFR Part 63 Subpart EEE, 40 CFR Part 64.4(b), Regulation 2-6-503)
9. The following definitions apply to the Compliance Assurance Monitoring Plan for sources with associated abatement device (S-389) to ensure compliance:
  - a. For S-389, an exceedance and excursion are the same; defined as any monitored combustion chamber temperature below 1000 C (1830 F) while

## VI. Permit Conditions

the unit is processing liquid and/or organic gas feed streams. (Basis: 40 CFR Part 64.6(c)(2))

10. The owner/operator shall equip the thermal oxidizer with a thermocouple sensor, installed in the incinerator chamber or outlet as an integral part of the thermal oxidizer design. The thermocouple shall be calibrated or replaced on an annual basis. The acceptance criterion if validating by calibration is  $\pm 4$  C. (Basis: 40 CFR Part 60 Subpart EEE, 40 CFR Part 64.3, Regulation 2-6-503)
11. The owner/operator shall operate the thermal oxidizer so that the thermocouple measures combustion chamber temperature continuously. Measurements shall be recorded electronically as hourly rolling averages at least once each 15 minutes. (Basis: 40 CFR 64.3(b)(4))
12. The owner/operator shall ensure that all liquid and organic gas feeds are shut off any time the combustion chamber temperature of S-389 is less than 1000 C (1830 F). If exceedances continue to occur, the District may require the owner/operator to develop and implement a Quality Improvement Plan (QIP). (Basis: 40 CFR Part 64.8)

### **For the sources listed in this condition abated by A-400 (S-400):**

13. The owner/operator shall conduct a District approved source test on the exhaust from A-400 by June 1, 2016 and once every 5 years thereafter to demonstrate compliance with the requirement for minimum organic destruction efficiency requirement contained in District condition 2218 part 8 (64% by weight). (Basis: BAAQMD Regulation 2-6-503, 40 CFR Part 64.6)
14. The following definitions apply to the Compliance Assurance Monitoring Plan for sources with associated abatement device (A-400) to ensure compliance:
  - a. For A-400, an exceedance and a CAM condition excursion are the same; defined as any monitored combustion chamber temperature below 800 degrees C (1472 degrees F) while the unit is processing liquid and/or organic gas feed streams. (Basis: 40 CFR Part 64.6(c)(2))
15. The owner/operator shall equip the thermal oxidizer with a thermocouple sensor, installed in the incinerator chamber or outlet as an integral part of the thermal oxidizer design. The thermocouple shall be calibrated or replaced on an annual basis. The acceptance criterion if validating by calibration is  $\pm 9$  C. (Basis: 40 CFR Part 60 Subpart EEE, 40 CFR Part 64.3)

## **VI. Permit Conditions**

16. The owner/operator shall operate the thermal oxidizer so that the thermocouple measures combustion chamber temperature continuously. Measurements shall be recorded electronically at least once each 15 minutes. (Basis: 40 CFR 64.3(b)(4))
17. The owner/operator shall ensure that all organic gas feeds are shut off any time the combustion chamber temperature of A-400 is less than 800 degrees C (1472 degrees F). If exceedances or CAM condition excursions continue to occur, the District may require the owner/operator to develop and implement a Quality Improvement Plan (QIP). (Basis: 40 CFR Part 64.8)

## **VII. APPLICABLE EMISSION LIMITS & COMPLIANCE MONITORING REQUIREMENTS**

This section has been included to summarize the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency column indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown using the following codes: annual (A), semi-annual (SA), quarterly (Q), monthly (M), weekly (W), daily (D), hourly (H), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – A**  
**Applicable Limits and Compliance Monitoring Requirements**  
**Facility**

| Type of Limit | Citation of Limit               | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type         |
|---------------|---------------------------------|--------|-----------------------|--|---------------------------------|------------------------------|-------------------------|
| VOC           | BAAQMD 8-5-328.1, Tanks > 75 m3 | N      |                       | Emission Control System with abatement with efficiency of $\geq 90\%$ by weight until VOC concentration in tank $\leq 10,000$ ppm as methane (Does not apply to tanks meeting limited exemption per 8-5-117, vapor pressure $\leq 0.5$ psia) | BAAQMD 8-5-502                  | P-E                          | portable monitor        |
| VOC           | SIP 8-5-328, Tanks > 75m3       | Y      |                       | Liquid balancing – resulting liquid has TVP < 0.5 psia or Emission Control System with abatement with efficiency of $\geq 90\%$ by weight until VOC concentration in tank $\leq 10,000$ ppm as methane                                       | None<br>BAAQMD 8-5-502          | N<br>P-A                     | N/A<br>Source Test      |
| VOC           | BAAQMD 8-5-331                  | N      |                       | Tank Cleaning Agents meet 331.1, 331.2, and 331.3 or Emission Control System with abatement with efficiency of $\geq 90\%$ by weight   | None<br>BAAQMD 8-5-502          | N<br>P-E                     | N/A<br>portable monitor |
| VOC           | BAAQMD 8-5-332                  | N      |                       | Tank sludge container standards; includes gap criteria   | BAAQMD 8-5-332                  | N                            | None                    |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – A**  
**Applicable Limits and Compliance Monitoring Requirements**  
**Facility**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|-------------------|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| VOC           | BAAQMD 8-10-301   | N      |                       | Vessel depressurization recovered/combusted or contained/treated until organic partial pressure < 4.6 psig   | 8-10-501                        | P-E                          | Records         |
| VOC           | SIP 8-10-301      | Y      |                       | Vessel depressurization recovered/combusted or contained/treated until organic partial pressure < 4.6 psig   | None                            | P-E                          | Records         |
| VOC           | BAAQMD 8-10-302   | N      |                       | Opening of Process Vessels: 302.1 TOC concentration ≤ 10,000 ppm as methane, 302.2 if greater than 10,000 ppm, then number of vessels less than 10% of total vessels during any consecutive 5 year period and emissions ≤ 15 pounds per day. | 8-10-501                        | P-E                          | Records         |

Note: 40 CFR Part 63 NESHAP monitoring requirements are discussed in MACT monitoring Tables later in this section.

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – B**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-4, HCl Rail Tank Car Loading, Central Loading Rack TC-1**  
**Abated by A-199, Manufacturing Services Scrubber B-12 or**  
**S-336, Manufacturing Services Thermal Oxidizer**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit                           | Monitoring Requirement Citation   | Monitoring Frequency (P/C/N)       | Monitoring Type                                  |
|---------------|-------------------|--------|-----------------------|---------------------------------|---|------------------------------------|--|
| Opacity       | BAAQMD 6-1-301    | N      |                       | Ringelmann No. 1 for < 3 min/hr | For A-199, Condition 17985, Parts 6 & 7<br>For S-336, Condition 6859, Part 6, | For A-199: P-D<br><br>For S-336: C | Caustic concentration<br><br>Temperature monitor |
| Opacity       | SIP 6-301         | Y      |                       | Ringelmann No. 1 for < 3 min/hr | For A-199, Condition 17985, Parts 6 & 7<br>For S-336, Condition 6859, Part 6, | For A-199: P-D<br><br>For S-336: C | Caustic concentration<br><br>Temperature monitor |
| FP            | BAAQMD 6-1-310    | N      |                       | 0.15 grain/dscf                 | For A-199, Condition 17985, Parts 6 & 7<br>For S-336, Condition 6859, Part 6, | For A-199: P-D<br><br>For S-336: C | Caustic concentration<br><br>Temperature monitor |
| FP            | SIP 6-310         | Y      |                       | 0.15 grain/dscf                 | For A-199, Condition 17985, Parts 6 & 7<br>For S-336, Condition 6859, Part 6, | For A-199: P-D<br><br>For S-336: C | Caustic concentration<br><br>Temperature monitor |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – B**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-4, HCl Rail Tank Car Loading, Central Loading Rack TC-1**  
**Abated by A-199, Manufacturing Services Scrubber B-12 or**  
**S-336, Manufacturing Services Thermal Oxidizer**

| Type of Limit         | Citation of Limit       | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation   | Monitoring Frequency (P/C/N)       | Monitoring Type                                  |
|-----------------------|-------------------------|--------|-----------------------|--|---|------------------------------------|--|
| FP                    | BAAQMD 6-1-311          | N      |                       | 4.10 P 0.67 lb/hr particulate, where P is process weight rate in ton/hr            | For A-199, Condition 17985, Parts 6 & 7<br>For S-336, Condition 6859, Part 6, | For A-199: P-D<br><br>For S-336: C | Caustic concentration<br><br>Temperature monitor |
| FP                    | SIP 6-311               | Y      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate, where P is process weight rate in ton/hr | For A-199, Condition 17985, Parts 6 & 7<br>For S-336, Condition 6859, Part 6, | For A-199: P-D<br><br>For S-336: C | Caustic concentration<br><br>Temperature monitor |
| Caustic Concentration | Condition 17985, Part 6 | Y      |                       | Caustic concentration ≥ 1%, wt   | Condition 17985, Part 7   | P-D                                | Caustic concentration                            |

Note: S-4 subject to NESHAP Subpart NNNNN (details in MACT monitoring Table).



## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – C**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-5, 720 Terminalized Products**  
**1,3-Dichloropropene Loading abated by A-144, Vapor Balance System**  
**All other Non-Exempt Material Loading Abated by S-336 or S-389, Thermal**  
**Oxidizers**  
**Other Exempt Material Loading - Unabated**

| Type of Limit  | Citation of Limit                                | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation                    | Monitoring Frequency (P/C/N) | Monitoring Type     |
|----------------|--|--------|-----------------------|---|--|------------------------------|---------------------|
| Exempt liquids | BAAQMD 8-6-110                                   | Y      |                       | True vapor pressure < 0.5 psia  | BAAQMD 8-6-501.1                                   | P-E                          | Records             |
| VOC            | BAAQMD 8-6-302.1                                 | Y      |                       | Loading into delivery vehicle: Vapor balanced, emissions < 0.35 lbs/1000 gallons loaded   | Condition 6859, Part 6;<br>Condition 2039, Part 13 | C                            | Temperature monitor |
| VOC            | BAAQMD 8-6-302.2                                 | Y      |                       | Loading into delivery vehicle or transportable container: Submerged fill pipe, bottom filling, or vapor loss control system, emissions < 0.35 lbs/1000 gallons loaded | Condition 6859, Part 6;<br>Condition 2039, Part 13 | C                            | Temperature monitor |
| VOC            | BAAQMD 8-6-304                                   | Y      |                       | Loading into storage tank (2,008 to 39,630 gallons): Vapor balance or vapor loss control system, emissions < 0.17 lbs/1000 gallons loaded                             | Condition 6859, Part 6;<br>Condition 2039, Part 13 | C                            | Temperature monitor |
| VOC            | BAAQMD 8-6-305, 8-6-306, Condition 11276, Part 2 | Y      |                       | Vapor tight, leak free, good working order  | Condition #11276, Parts 5 & 6                      | P-E                          | Inspection          |

Note: S-5 is also subject to NESHAP Subpart EEEE during 1,3-Dichloropropene loading (details in MACT Monitoring Table).

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – D**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-6, 725 Terminalized Products**  
**All Non-Exempt Material Loading Abated by S-336 or S-389, Thermal Oxidizers**  
**Dowanol PM Loading Abated by A-153, Vapor Balance System**  
**All other Exempt Materials: Loading Unabated**

| Type of Limit  | Citation of Limit                                | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation                 | Monitoring Frequency (P/C/N) | Monitoring Type     |
|----------------|--|--------|-----------------------|---|---|------------------------------|---------------------|
| Exempt liquids | BAAQMD 8-6-110                                   | Y      |                       | True vapor pressure < 0.5 psia  | BAAQMD 8-6-501.1                                | P-E                          | Records             |
| VOC            | BAAQMD 8-6-302.1                                 | Y      |                       | Loading into delivery vehicle: Vapor balanced, emissions < 0.35 lbs/1000 gallons loaded   | Condition 6859, Part 6; Condition 2039, Part 13 | C                            | Temperature monitor |
| VOC            | BAAQMD 8-6-302.2                                 | Y      |                       | Loading into delivery vehicle or transportable container: Submerged fill pipe, bottom filling, or vapor loss control system, emissions < 0.35 lbs/1000 gallons loaded | Condition 6859, Part 6; Condition 2039, Part 13 | C                            | Temperature monitor |
| VOC            | BAAQMD 8-6-304                                   | Y      |                       | Loading into storage tank (2,008 to 39,630 gallons): Vapor balance or vapor loss control system, emissions < 0.17 lbs/1000 gallons loaded                             | Condition 6859, Part 6; Condition 2039, Part 13 | C                            | Temperature monitor |
| VOC            | BAAQMD 8-6-305, 8-6-306, Condition 11276, Part 2 | Y      |                       | Vapor tight, leak free, good working order  | Condition #11276, Parts 5 & 6                   | P-E                          | Inspection          |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – E**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-7, 725 Block Truck Loading**  
**Each Abated by S-336 or S-389, Thermal Oxidizers**

| Type of Limit  | Citation of Limit                                | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation                 | Monitoring Frequency (P/C/N) | Monitoring Type     |
|----------------|--|--------|-----------------------|---|---|------------------------------|---------------------|
| Exempt liquids | BAAQMD 8-6-110                                   | Y      |                       | True vapor pressure < 0.5 psia  | BAAQMD 8-6-501.1                                | P-E                          | Records             |
| VOC            | BAAQMD 8-6-302.1                                 | Y      |                       | Loading into delivery vehicle: Vapor balance or vapor loss control system with emissions < 0.35 lbs/1000 gallons loaded   | Condition 6859, Part 6; Condition 2039, Part 13 | C                            | Temperature monitor |
| VOC            | BAAQMD 8-6-302.2                                 | Y      |                       | Loading into delivery vehicle or transportable container: Submerged fill pipe, bottom filling, or vapor loss control system with emissions < 0.35 lbs/1000 gallons loaded | Condition 6859, Part 6; Condition 2039, Part 13 | C                            | Temperature monitor |
| VOC            | BAAQMD 8-6-304                                   | Y      |                       | Loading into storage tank (2,008 to 39,630 gallons): Vapor balance or vapor loss control system with emissions < 0.17 pounds/1000 gallons loaded                          | Condition 6859, Part 6; Condition 2039, Part 13 | C                            | Temperature monitor |
| VOC            | BAAQMD 8-6-305, 8-6-306, Condition 11276, Part 2 | Y      |                       | Vapor tight, leak free, good working order  | Condition #11276, Parts 5 & 6                   | P-E                          | Inspection          |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – F**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-27, T-605A Terminalized Products**  
**S-30, Material Flow Tank T-608B**  
**Each Abated by S-336 or S-389, Thermal Oxidizers**

| Type of Limit | Citation of Limit       | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation                   | Monitoring Frequency (P/C/N) | Monitoring Type               |
|---------------|-------------------------|--------|-----------------------|--|---|------------------------------|-------------------------------|
| VOC           | BAAQMD 8-5-306          | N      |                       | Control device standards; includes 95% efficiency requirement  | BAAQMD Conditions 2039, part 13, and 6859, part 6 | C                            | temperature monitoring        |
| VOC           | SIP 8-5-306             | Y      |                       | Control device standards; includes 95% efficiency requirement  | BAAQMD Conditions 2039, part 13, and 6859, part 6 | C                            | Temperature monitoring        |
| VOC           | BAAQMD 8-5-328          | N      |                       | Emission Control System with abatement with efficiency of $\geq 90\%$ by weight until VOC concentration in tank $\leq 10,000$ ppm as methane | BAAQMD 8-5-502                                    | P-E                          | portable monitor              |
| VOC           | SIP 8-5-328.1.1         | Y      |                       | Tank cleaning control by liquid balancing in which the resulting organic liquid has a TVP is less than 0.5 psia                              | BAAQMD 8-5-501                                    | P/E                          | Records                       |
| VOC           | SIP 8-5-328.1.2         | Y      |                       | Concentration of $< 10,000$ ppm as methane after cleaning  | BAAQMD 8-5-503                                    | P/E                          | Portable hydrocarbon detector |
| VOC           | BAAQMD 8-5-331          | N      |                       | Tank Cleaning Agents meet 331.1, 331.2, and 331.3 or Emission Control System with abatement with efficiency of $\geq 90\%$ by weight         | None<br>BAAQMD 8-5-502                            | N<br>P-E                     | N/A<br>portable monitor       |
| VOC           | Condition 11276, part 2 | Y      |                       | Vapor tight with no detectible organic emissions   | Condition 11276, part 5, part 6                   | P/E                          | portable monitor              |

Note: S-27 and S-30 are both subject to NSPS Subpart Kb (details in NSPS Kb Table).

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – G**  
**Applicable Limits and Compliance Monitoring Requirements**  
**[Tanks storing liquids with vapor pressure ≤ 0.5 psia]**

**S-28, T-605B Material Flow**

**S-36, N-Serve Plant Storage**

**S-45, T-1 N-Serve**

**S-56, T-31 N-Serve**

**S-57, T-32 N-Serve**

**S-61, T-780 N-Serve**

**S-62, T-781 N-Serve**

**S-63, T-782 N-Serve**

**S-346, T-241**

**S-372, T-20 Block 560 Storage Tank, Abated by A-400 (S-400), Thermal Oxidizer R-901**

**S-382, N-Serve Unit Storage T-783**

**S-383, Petroleum Hydrocarbon Distillate Tank**

**S-407, T-728 N-Serve Formulation Tank**

**S-447, T-774**

**S-466, Plant 663 T-408A Intermediate Product Storage**

**S-467, Plant 663 T-408B Intermediate Product Storage**

**S-498, Sym Tet T-102 Storage Tank**

| Type of Limit | Citation of Limit                | FE Y/N | Future Effective Date | Limit                     | Monitoring Requirement Citation  | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|----------------------------------|--------|-----------------------|---------------------------|----------------------------------|------------------------------|-----------------|
| VOC           | BAAQMD Condition # 21059, Part 1 | Y      |                       | Vapor pressure ≤ 0.5 psia | BAAQMD Condition # 21059, Part 2 | P/E                          | Records         |

Note: S-28, S-36, S-45, S-56, S-57, S-61, S-62, S-63, S-346, S-372, S-382, S-383, S-407, S-447, S-466, S-467, and S-498 are subject to NESHAP Subpart EEEE (details in MACT Monitoring Table).

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – H**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-29, T-608 Terminalized Products,**  
**S-31, T-609 Terminalized Products,**  
**S-33, T-727 Terminalized Products,**  
**S-35, T-773 Terminalized Products,**  
**S-151, T-614 Terminalized Products,**  
**S-153, T-604 Terminalized Products**  
**Each Abated by S-336 or S-389, Thermal Oxidizers**

| Type of Limit | Citation of Limit               | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation                   | Monitoring Frequency (P/C/N) | Monitoring Type               |
|---------------|---------------------------------|--------|-----------------------|--|---|------------------------------|-------------------------------|
| VOC           | BAAQMD 8-5-306                  | N      |                       | Control device standards; includes 95% efficiency requirement  | BAAQMD Conditions 2039, part 13, and 6859, part 6 | C                            | Temperature monitoring        |
| VOC           | SIP 8-5-306                     | Y      |                       | Control device standards; includes 95% efficiency requirement  | BAAQMD Conditions 2039, part 13, and 6859, part 6 | C                            | Temperature Monitoring        |
| VOC           | BAAQMD 8-5-328                  | N      |                       | Emission Control System with abatement with efficiency of $\geq 90\%$ by weight until VOC concentration in tank $\leq 10,000$ ppm as methane | BAAQMD 8-5-502                                    | P-E                          | portable monitor              |
| VOC           | SIP 8-5-328.1.1                 | Y      |                       | Tank cleaning control by liquid balancing in which the resulting organic liquid has a TVP is less than 0.5 psia                              | BAAQMD 8-5-501                                    | P/E                          | Records                       |
| VOC           | SIP 8-5-328.1.2                 | Y      |                       | Concentration of $< 10,000$ ppm as methane after cleaning  | BAAQMD 8-5-503                                    | P/E                          | Portable hydrocarbon detector |
| VOC           | BAAQMD 8-5-331                  | N      |                       | Tank Cleaning Agents meet 331.1, 331.2, and 331.3 or Emission Control System with abatement with efficiency of $\geq 90\%$ by weight         | None<br>BAAQMD 8-5-502                            | N<br>P-E                     | N/A<br>portable monitor       |
| VOC           | BAAQMD Condition# 11276, part 2 | Y      |                       | Vapor tight with no detectible organic emissions   | Condition 11276, part 5, part 6                   | P/E                          | portable monitor              |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – I**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-40, Water Treatment HCl Storage T-24**  
**Abated by A-175, Utilities T-24 Scrubber**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|-------------------|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| Opacity       | BAAQMD<br>6-1-301 | N      |                       | Ringelmann No. 1<br>for < 3 min/hr   | None                            | N                            | N/A             |
| Opacity       | SIP<br>6-301      | Y      |                       | Ringelmann No. 1<br>for < 3 min/hr   | None                            | N                            | N/A             |
| FP            | BAAQMD<br>6-1-310 | N      |                       | 0.15 grain/dscf  | None                            | N                            | N/A             |
| FP            | SIP<br>6-310      | Y      |                       | 0.15 grain/dscf  | None                            | N                            | N/A             |
| FP            | BAAQMD<br>6-1-311 | N      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate,<br>where P is process weight<br>rate in ton/hr | None                            | N                            | N/A             |
| FP            | SIP<br>6-311      | Y      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate,<br>where P is process weight<br>rate in ton/hr | None                            | N                            | N/A             |

**Table VII – J**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-44, N-Serve Plant**  
**Abated by S-389, Sym-Tet Thermal Oxidizer R-501 or**  
**Abated by A-88, B-106 Sym-Tet Scrubber or**  
**Abated by A-89, X-3 Emergency Venturi at N-Serve/Sym-Tet**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit                              | Monitoring Requirement Citation                                      | Monitoring Frequency (P/C/N) | Monitoring Type               |
|---------------|-------------------|--------|-----------------------|------------------------------------|--|------------------------------|-------------------------------|
| Opacity       | BAAQMD<br>6-1-301 | N      |                       | Ringelmann No. 1<br>for < 3 min/hr | For S-389:<br>Condition 2039,<br>Part 13<br>For A-88/ A-<br>89: None | S-389: C<br>A-88/89: N       | Temperature<br>monitor<br>N/A |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – J**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-44, N-Serve Plant**  
**Abated by S-389, Sym-Tet Thermal Oxidizer R-501 or**  
**Abated by A-88, B-106 Sym-Tet Scrubber or**  
**Abated by A-89, X-3 Emergency Venturi at N-Serve/Sym-Tet**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation                            | Monitoring Frequency (P/C/N) | Monitoring Type            |
|---------------|-------------------|--------|-----------------------|--|--|------------------------------|----------------------------|
| Opacity       | SIP 6301          | Y      |                       | Ringelmann No. 1 for < 3 min/hr  | For S-389: Condition 2039, Part 13<br>For A-88/ A-89: None | S-389: C<br>A-88/89: N       | Temperature monitor<br>N/A |
| FP            | BAAQMD 6-1-310    | N      |                       | 0.15 grain/dscf  | Same as Above  | Same as Above                | Same as Above              |
| FP            | SIP 6310          | Y      |                       | 0.15 grain/dscf  | Same as Above  | Same as Above                | Same as Above              |
| FP            | BAAQMD 6-1-311    | N      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate, where P is process weight rate in ton/hr                         | Same as Above  | Same as Above                | Same as Above              |
| FP            | SIP 6-311         | Y      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate, where P is process weight rate in ton/hr                         | Same as Above  | Same as Above                | Same as Above              |
| POC           | BAAQMD 8-2-301    | Y      |                       | Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry  | For S-389: Condition 2039, Part 13<br>For A-88/ A-89: None | S-389: C<br>A-88/89: N       | Temperature monitor<br>N/A |
| POC           | BAAQMD 8-10-301   | N      |                       | Vessel depressurization recovered/combusted or contained/treated until organic partial pressure < 4.6 psig | 8-10-501   | P-E                          | Records                    |



## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – J  
 Applicable Limits and Compliance Monitoring Requirements  
 S-44, N-Serve Plant  
 Abated by S-389, Sym-Tet Thermal Oxidizer R-501 or  
 Abated by A-88, B-106 Sym-Tet Scrubber or  
 Abated by A-89, X-3 Emergency Venturi at N-Serve/Sym-Tet**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|-------------------|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| POC           | SIP 8-10-301      | Y      |                       | Vessel depressurization recovered/combusted or contained/treated until organic partial pressure < 4.6 psig   | None                            | P-E                          | Records         |
| POC           | BAAQMD 8-10-302   | N      |                       | Opening of Process Vessels: 302.1 TOC concentration ≤ 10,000 ppm as methane, 302.2 if greater than 10,000 ppm, then number of vessels less than 10% of total vessels during any consecutive 5 year period and emissions ≤ 15 pounds per day. | 8-10-501                        | P-E                          | Records         |

Note: T-70 and T-74 at S-44 are subject to NESHAP Subpart EEEE (details in MACT monitoring Table)

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – K**  
**Applicable Limits and Compliance Monitoring Requirements**  
**[Pressure Tank < 75m<sup>3</sup>]**  
**S-48, T19A N-Serve**  
**S-49, T19B N-Serve**  
**Abated by A-154, Vent Recovery System H-320A & T-320**

| Type of Limit | Citation of Limit         | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type                        |
|---------------|---------------------------|--------|-----------------------|---|---------------------------------|------------------------------|--|
| VOC           | SIP<br>8-5-307            | Y      |                       | < 100 ppm for non-pressure relief devices (expressed as methane) above background | Not specified                   | None                         | Method 21 Inspection                   |
| VOC           | Condition<br>5148, Part 1 | Y      |                       | Minimum of 85% control efficiency for VOC or emissions less than 15 lb/day        | Condition<br>5148, Part 3       | C                            | Pressure drop and temperature at A-154 |

**Table VII – L**  
**Applicable Limits and Compliance Monitoring Requirements**  
**[Pressure Tank < 75m<sup>3</sup> with submerged fill]**  
**S-55, T-30 N-Serve**  
**S-408, T-723 Terminalized Products**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type      |
|---------------|-------------------|--------|-----------------------|---|---------------------------------|------------------------------|----------------------|
| VOC           | BAAQMD<br>8-5-307 | N      |                       | < 500 ppm for pressure relief devices (expressed as methane) above background     | BAAQMD<br>8-5-403               | P/SA                         | Method 21 Inspection |
| VOC           | SIP<br>8-5-307    | Y      |                       | < 500 ppm for pressure relief devices (expressed as methane) above background     | BAAQMD<br>8-5-403               | P/SA                         | Method 21 Inspection |
| VOC           | SIP<br>8-5-307    | Y      |                       | < 100 ppm for non-pressure relief devices (expressed as methane) above background | Not Specified                   | None                         | Method 21 Inspection |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – M**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-135, HCl Storage Tank T-606A**  
**S-136, HCl Storage Tank T606B**  
**S-137, HCl Storage Tank T606C**  
**S-138, HCl Storage Tank T606D**  
**S-139, HCl Storage Tank T-606E**  
**Abated by A-18, Hydrochloric Acid Storage Tanks Scrubber**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|-------------------|--------|-----------------------|---|---------------------------------|------------------------------|-----------------|
| Opacity       | BAAQMD<br>6-1-301 | N      |                       | Ringelmann No. 1<br>for < 3 min/hr  | None                            | N                            | N/A             |
| Opacity       | SIP<br>6-301      | Y      |                       | Ringelmann No. 1<br>for < 3 min/hr  | None                            | N                            | N/A             |
| FP            | BAAQMD<br>6-1-310 | N      |                       | 0.15 grain/dscf   | None                            | N                            | N/A             |
| FP            | SIP<br>6-310      | Y      |                       | 0.15 grain/dscf   | None                            | N                            | N/A             |
| FP            | BAAQMD<br>6-1-311 | N      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate,<br>where P is process weight<br>rate in ton/hr    | None                            | N                            | N/A             |
| FP            | SIP<br>6-311      | Y      |                       | 4.10 P <sup>0.67</sup> lb/hr<br>particulate, where P is<br>process weight rate in<br>ton/hr | None                            | N                            | N/A             |

Note: S-135 through S-139 are subject to NESHAP Subpart NNNNN (details in MACT Monitoring Table).

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – N**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-172, Maintenance Exhaust Area M-5**

| Type of Limit | Citation of Limit    | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation     | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|----------------------|--------|-----------------------|---|-------------------------------------|------------------------------|-----------------|
| VOC           | BAAQMD<br>8-19-302   | Y      |                       | VOC content ≤ 2.8 pounds/gallon, excluding water  | BAAQMD<br>8-19-501.1,<br>8-19-501.2 | P-W                          | Records         |
| VOC           | BAAQMD<br>8-19-320.2 | Y      |                       | Cleanup solvent VOC content < 0.42 pounds/gallon or collect and recycle or properly dispose of offsite or use a spray gun washer compliant with BAAQMD 8-16 | BAAQMD<br>8-19-501.1                | P-M                          | Records         |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – O**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-174, Gasoline Dispensing Facility**

| Type of Limit | Citation of Limit                | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation                             | Monitoring Frequency (P/C/N) | Monitoring Type   |
|---------------|----------------------------------|--------|-----------------------|--|---|------------------------------|---|
| VOC           | BAAQMD Regulation 8-7-301.6      | Y      |                       | All Phase I Equipment (except components with allowable leak rates) shall be leak free ( $\leq 3$ drops/minute) and vapor tight  | BAAQMD Regulation 8-7-301.13 and 8-7-503.2                  | P/A                          | Static Pressure Performance Test, ST-30   |
| VOC           | BAAQMD Regulation 8-7-301.10     | Y      |                       | 98% or highest CARB vapor recovery rate  | None  | N                            | N/A   |
| VOC           | Condition #20666, Part 1, Part 2 | Y      |                       | Drop tube/drain valve leak rate not to exceed 0.17 CFH @ 2" H <sub>2</sub> O; minimum 360° rotation with maximum 108 pound-inch torque Rotable Adaptor Torque Test (CARB TP201.1B) | BAAQMD Regulation 8-7-503.2; BAAQMD Condition #20666 Part 2 | P- once every 36 months      | Drop tube/drain valve leak test (CARB TP 201.1C or 201.1D) and torque test (CARB TP 201.1B) |
| VOC           | Condition 24289, Part 1          | N      |                       | 20,000 gallons/12 months   | BAAQMD 8-7-503.1  | P-M                          | Records   |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – P**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-176, Chloralkali Cooling Tower H-1A, Abated by A-30,**  
**Chloralkali Mist Eliminator**  
**S-177, Chloralkali Cooling Tower H-1B, Abated by A-31,**  
**Chloralkali Mist Eliminator**  
**S-178, Chloralkali Cooling Tower H-2A, Abated by A-32,**  
**Chloralkali Mist Eliminator**  
**S-179 Chloralkali Cooling Tower H-2B, Abated by A-33,**  
**Chloralkali Mist Eliminator**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|-------------------|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| Opacity       | BAAQMD<br>6-1-301 | N      |                       | Ringelmann No. 1<br>for < 3 min/hr   | None                            | N                            | N/A             |
| Opacity       | SIP<br>6-301      | Y      |                       | Ringelmann No. 1<br>for < 3 min/hr   | None                            | N                            | N/A             |
| FP            | BAAQMD<br>6-1-310 | N      |                       | 0.15 grain/dscf  | None                            | N                            | N/A             |
| FP            | SIP 6-310         | Y      |                       | 0.15 grain/dscf  | None                            | N                            | N/A             |
| FP            | BAAQMD<br>6-1-311 | N      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate,<br>where P is process weight<br>rate in ton/hr | None                            | N                            | N/A             |
| FP            | SIP<br>6-311      | Y      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate,<br>where P is process weight<br>rate in ton/hr | None                            | N                            | N/A             |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – Q**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-286, Railcar Purging Facility at Car-Barn**  
**Abated by A-55, Maintenance – Packed Bed Scrubber**

| Type of Limit     | Citation of Limit       | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|-------------------|-------------------------|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| Opacity           | BAAQMD 6-1-301          | N      |                       | Ringelmann No. 1 for < 3 min/hr  | Condition #20826, Parts 1, 2    | P-E                          | Visual Check    |
| Opacity           | SIP 6-301               | Y      |                       | Ringelmann No. 1 for < 3 min/hr  | Condition #20826, Parts 1, 2    | P-E                          | Visual Check    |
| FP                | BAAQMD 6-1-310          | N      |                       | 0.15 grain/dscf  | None                            | N                            | N/A             |
| FP                | SIP 6-310               | Y      |                       | 0.15 grain/dscf  | None                            | N                            | N/A             |
| FP                | BAAQMD 6-1-311          | N      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate, where P is process weight rate in ton/hr | None                            | N                            | N/A             |
| FP                | SIP 6-311               | Y      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate, where P is process weight rate in ton/hr | None                            | N                            | N/A             |
| Visible Emissions | Condition #20826 Part 1 | Y      |                       | If visible emissions are detected, then corrective action shall be taken.          | Condition #20826 Parts 1, 2     | P-E                          | Visual Check    |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – R  
 Applicable Limits and Compliance Monitoring Requirements  
 S-302, Dowicil Train 1  
 S-303, Dowicil Train 2**

**Abated by A-192, Vent Recovery System (refrigeration)  
 Followed by S-389, Sym-Tet Thermal Oxidizer or S-336, Manufacturing Services  
 Thermal Oxidizer, at least 89% of the Dowicil Plant operating time**

| Type of Limit      | Citation of Limit       | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type                      |
|--------------------|-------------------------|--------|-----------------------|--|---------------------------------|------------------------------|--------------------------------------|
| Methylene Chloride | Condition 14438, Part 6 | Y      |                       | 1233 lb/day of methylene chloride sent to halogen acid furnace S-389 | Condition 14438, Part 7         | D                            | District Approved Calculation Method |

Note: S-302 and S-303 will be subject to NESHAP Subpart FFFF upon Title V issuance and were previously subject to NESHAP Subpart VVVVVV until Title V issuance (details in MACT Monitoring Tables).

**Table VII – U  
 Applicable Limits and Compliance Monitoring Requirements  
 S-323, Dryer, D-605A  
 S-324, Dryer, D-609**

**S-535, Portable Dryer, D-605B  
 Each abated by S-336, Manufacturing Services Thermal Oxidizer**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type     |
|---------------|-------------------|--------|-----------------------|--|---------------------------------|------------------------------|---------------------|
| VOC           | BAAQMD 8-1-110.3  | Y      |                       | VOC abated $\geq 85\%$ by weight and $\geq 90\%$ of organic carbon oxidized to CO <sub>2</sub> | Condition 2039, Part 13         | C                            | Temperature monitor |



## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – W**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-336, Manufacturing Services Thermal Oxidizer**  
**Abated by A-86, B14A & B Carbate Acid Absorber > A-21, B-15 Manufacturing**  
**Services Scrubber > A-54, B-15 Demister > A-410, B-16 Caustic Scrubber in series**

| Type of Limit | Citation of Limit         | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type        |
|---------------|---------------------------|--------|-----------------------|--|---------------------------------|------------------------------|------------------------|
| Opacity       | BAAQMD<br>6-1-301         | N      |                       | Ringelmann No. 1<br>for < 3 min/hr   | None                            | N                            | N/A                    |
| Opacity       | SIP<br>6-301              | Y      |                       | Ringelmann No. 1<br>for < 3 min/hr   | None                            | N                            | N/A                    |
| FP            | BAAQMD<br>6-1-310         | N      |                       | 0.15 grain/dscf  | None                            | N                            | N/A                    |
| FP            | SIP<br>6-310              | Y      |                       | 0.15 grain/dscf  | None                            | N                            | N/A                    |
| FP            | BAAQMD<br>6-1-311         | N      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate,<br>where P is process weight<br>rate in ton/hr         | None                            | N                            | N/A                    |
| FP            | SIP<br>6-311              | Y      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate,<br>where P is process weight<br>rate in ton/hr         | None                            | N                            | N/A                    |
| NOx           | Condition<br>6859, Part 3 | Y      |                       | NOx ≤ 8.6 lbs/day as NO2   | Condition<br>6859, Part 8       | P- once every<br>five years  | Source Test            |
| POC           | BAAQMD<br>8-2-301         | Y      |                       | Emissions ≤ 15 pounds/day<br>and ≤ 300 ppm total carbon,<br>dry                                  | Condition<br>6859, Part 6       | C                            | Temperature<br>monitor |
| VOC           | Condition<br>6859, Part 4 | Y      |                       | Organic destruction<br>efficiency ≥ 99.99% by<br>weight  | Condition<br>6859, Part 6       | C                            | Temperature<br>monitor |
| VOC           | Condition<br>6859, Part 6 | Y      |                       | Temperature ≥ 1807<br>degrees F  | Condition<br>6859, Part 6       | C                            | Temperature<br>monitor |
| SO2           | BAAQMD<br>9-1-301         | Y      |                       | ground level concentrations<br>0.5 ppm for 3 min; 0.25<br>ppm for 60 min; 0.05 ppm<br>for 24 hrs | None                            | N                            | N/A                    |
| SO2           | BAAQMD<br>9-1-304         | Y      |                       | Sulfur content ≤ 0.5% by<br>weight or do not emit SO2 ><br>300 ppm, dry                          | None                            | N                            | N/A                    |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – W**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-336, Manufacturing Services Thermal Oxidizer**  
**Abated by A-86, B14A & B Karbate Acid Absorber > A-21, B-15 Manufacturing**  
**Services Scrubber > A-54, B-15 Demister > A-410, B-16 Caustic Scrubber in series**

| Type of Limit | Citation of Limit      | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|------------------------|--------|-----------------------|---|---------------------------------|------------------------------|-----------------|
| Liquid waste  | Condition 6859, Part 1 | Y      |                       | Feed rate $\leq$ 650 lbs/hour   | Condition 6859, Part 5          | P-H                          | Records         |
| pH            | Condition 6859, Part 9 | Y      |                       | pH $\geq$ 7.6 of A-410 whenever liquid feed or process vents are being abated | Condition 6859, Part 9          | P-H                          | pH monitor      |

Note: S-336 is subject to 40 CFR Part 63 Subpart EEE (details in MACT Monitoring Table) and is subject to 40 CFR Part 64 Compliance Assurance Monitoring requirements (details in CAM Monitoring Table).

**Table VII – X**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-389, Sym-Tet Thermal Oxidizer**  
**Abated by A-74, B-502 Caustic Scrubber and A-412, B-501 Acid Absorber at all times**  
**Abated by A-75, X-505 Particulate Scrubber when burning chlorinated liquids**  
**Abated by A-77, R-502 Nonselective Catalytic Reduction Unit, and A-76, B-503A**  
**Carbon Adsorber, A-80, B-503B Carbon Adsorber, and A-205, R-503 Carbon**  
**Monoxide Scrubber when A-77 is operating**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|-------------------|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| Opacity       | BAAQMD 6-1-301    | N      |                       | Ringelmann No. 1 for < 3 min/hr  | None                            | N                            | N/A             |
| Opacity       | SIP 6-301         | Y      |                       | Ringelmann No. 1 for < 3 min/hr  | None                            | N                            | N/A             |
| FP            | BAAQMD 6-1-310    | N      |                       | 0.15 grain/dscf  | None                            | N                            | N/A             |
| FP            | SIP 6-310         | Y      |                       | 0.15 grain/dscf  | None                            | N                            | N/A             |
| FP            | BAAQMD 6-1-311    | N      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate, where P is process weight rate in ton/hr | None                            | N                            | N/A             |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – X**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-389, Sym-Tet Thermal Oxidizer**

**Abated by A-74, B-502 Caustic Scrubber and A-412, B-501 Acid Absorber at all times**  
**Abated by A-75, X-505 Particulate Scrubber when burning chlorinated liquids**  
**Abated by A-77, R-502 Nonselective Catalytic Reduction Unit, and A-76, B-503A**  
**Carbon Adsorber, A-80, B-503B Carbon Adsorber, and A-205, R-503 Carbon**  
**Monoxide Scrubber when A-77 is operating**

| Type of Limit   | Citation of Limit           | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type                     |
|-----------------|-----------------------------|--------|-----------------------|---|---------------------------------|------------------------------|-------------------------------------|
| FP              | SIP 6-311                   | Y      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate, where P is process weight rate in ton/hr            | None                            | N                            | N/A                                 |
| NOx             | Condition 2039, Part 10     | Y      |                       | NOx ≤ 6194 lbs/year   | Condition 2039, Part 9          | P – semiannual               | source test & calculations          |
| CO              | Condition 2039, Part 4      | Y      |                       | 250 ppm at 3% O <sub>2</sub>  | Condition 2039, Part 10         | P – semiannual               | Source test                         |
| POC             | BAAQMD 8-2-301              | Y      |                       | Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry                                     | Condition 2039, Part 13         | C                            | Temperature monitor                 |
| VOC             | Condition 2039, Part 5      | Y      |                       | Organic destruction efficiency ≥ 99.99% by weight   | Condition 2039, Part 13         | C                            | Temperature monitor                 |
| SO <sub>2</sub> | BAAQMD 9-1-301              | Y      |                       | ground level concentrations 0.5 ppm for 3 min; 0.25 ppm for 60 min; 0.05 ppm for 24 hrs       | None                            | N                            | N/A                                 |
| SO <sub>2</sub> | BAAQMD 9-1-304              | Y      |                       | Sulfur content ≤ 0.5% by weight or do not emit SO <sub>2</sub> > 300 ppm, dry                 | None                            | N                            | N/A                                 |
| Temperature     | Condition 2039, Part 1      | Y      |                       | Temperature ≥ 1830 degrees F  | Condition 2039, Part 13         | C                            | Temperature monitor                 |
| Residence time  | Condition 2039, Part 2      | Y      |                       | Residence time ≥ 0.9 seconds  | None                            | N                            | N/A                                 |
| Liquid waste    | Condition 2039, Parts 7 & 8 | Y      |                       | Annual average liquid feed ≤ 45.1 gallons/hour<br>Maximum daily liquid feed < 70 gallons/hour | Condition 2039, Part 13         | C                            | Liquid mass flowmeter/ calculations |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – X**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-389, Sym-Tet Thermal Oxidizer**

**Abated by A-74, B-502 Caustic Scrubber and A-412, B-501 Acid Absorber at all times**  
**Abated by A-75, X-505 Particulate Scrubber when burning chlorinated liquids**  
**Abated by A-77, R-502 Nonselective Catalytic Reduction Unit, and A-76, B-503A**  
**Carbon Adsorber, A-80, B-503B Carbon Adsorber, and A-205, R-503 Carbon**  
**Monoxide Scrubber when A-77 is operating**

| Type of Limit | Citation of Limit       | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|-------------------------|--------|-----------------------|---|---------------------------------|------------------------------|-----------------|
| pH            | Condition 2039, Part 16 | Y      |                       | pH ≥ 7.35 at A-74, whenever liquid feed or process vents are being abated | Condition 2039, Part 16         | P-H                          | pH monitor      |

Notes: S-389 is subject to Subpart EEE (details in MACT Monitoring Table) and is subject to 40 CFR Part 64 Compliance Assurance Monitoring requirements (details in CAM Monitoring Table).

**Table VII – Y**  
**Applicable Limits and Compliance Monitoring Requirements**  
**A-400 (S-400), Thermal Oxidizer R-901**  
**Abated by A-401, Acid Adsorber B-901,**  
**Followed by A-79, Packed Bed Scrubber B-902**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|-------------------|--------|-----------------------|---|---------------------------------|------------------------------|-----------------|
| Opacity       | BAAQMD 6-1-301    | N      |                       | Ringelmann No. 1 for < 3 min/hr   | None                            | N                            | N/A             |
| FP            | BAAQMD 6-1-310    | N      |                       | 0.15 grain/dscf   | None                            | N                            | N/A             |
| Opacity       | SIP 6-301         | Y      |                       | Ringelmann No. 1 for < 3 min/hr   | None                            | N                            | N/A             |
| FP            | SIP 6-310         | Y      |                       | 0.15 grain/dscf   | None                            | N                            | N/A             |
| FP            | BAAQMD 6-1-311    | N      |                       | 4.10 P 0.67 lb/hr particulate, where P is process weight rate in ton/hr | None                            | N                            | N/A             |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – Y**  
**Applicable Limits and Compliance Monitoring Requirements**  
**A-400 (S-400), Thermal Oxidizer R-901**  
**Abated by A-401, Acid Adsorber B-901,**  
**Followed by A-79, Packed Bed Scrubber B-902**

| Type of Limit | Citation of Limit      | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type     |
|---------------|------------------------|--------|-----------------------|---|---------------------------------|------------------------------|---------------------|
| FP            | SIP 6-311              | Y      |                       | 4.10 P 0.67 lb/hr particulate, where P is process weight rate in ton/hr                 | None                            | N                            | N/A                 |
| POC           | BAAQMD 8-2-301         | Y      |                       | Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry                               | Condition 2213, Part 9          | C                            | Temperature Monitor |
| VOC           | Condition 2213, Part 8 | Y      |                       | Organic destruction efficiency ≥ 64% by weight  | Condition 2213, Part 9          | C                            | Temperature Monitor |
| SO2           | BAAQMD 9-1-301         | Y      |                       | ground level concentrations 0.5 ppm for 3 min; 0.25 ppm for 60 min; 0.05 ppm for 24 hrs | None                            | N                            | N/A                 |
| SO2           | BAAQMD 9-1-302         | Y      |                       | SO2 ≤ 300 ppm, dry  | None                            | N                            | N/A                 |
| Temp          | Condition 2213, Part 9 | Y      |                       | Temperature ≥ 1472 degrees F  | Condition 2213, Part 9          | C                            | Temperature Monitor |

Notes: A-400 (S-400) is subject to 40 CFR Part 64 Compliance Assurance Monitoring requirements (details in CAM Monitoring Table).

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – Z**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-402, HCl Storage Tank**  
**Abated by A-401, Acid Adsorber B-901 and A-79, Packed Bed Scrubber B-902**

| Type of Limit | Citation of Limit         | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|---------------------------|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| Opacity       | BAAQMD<br>6-1-301         | N      |                       | Ringelmann No. 1<br>for < 3 min/hr   | None                            | N                            | N/A             |
| Opacity       | SIP<br>6-301              | Y      |                       | Ringelmann No. 1<br>for < 3 min/hr   | None                            | N                            | N/A             |
| FP            | BAAQMD<br>6-1-310         | N      |                       | 0.15 grain/dscf  | None                            | N                            | N/A             |
| FP            | SIP<br>6-310              | Y      |                       | 0.15 grain/dscf  | None                            | N                            | N/A             |
| FP            | BAAQMD<br>6-1-311         | N      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate,<br>where P is process weight<br>rate in ton/hr | None                            | N                            | N/A             |
| FP            | SIP<br>6-311              | Y      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate,<br>where P is process weight<br>rate in ton/hr | None                            | N                            | N/A             |
| HCl           | Condition<br>5147, Part 2 | Y      |                       | 200,000 gallons/12-months  | Condition<br>5147, Part 3       | P/E                          | Records         |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – AA**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-428, Sym-Tet Processing, H-300**  
**S-448, H-200 Sym-Tet**  
**Both Abated by A-154, Vent Recovery System H-320A & B, T-320**

| Type of Limit | Citation of Limit      | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type                       |
|---------------|------------------------|--------|-----------------------|---|---------------------------------|------------------------------|---------------------------------------|
| VOC           | BAAQMD 8-1-110.3       | Y      |                       | VOC abated ≥ 85% by weight; if achieved through incineration, ≥ 90% of organic carbon must be oxidized to CO2 | Condition 5148, Part 3          | C                            | Pressure Drop and Temperature monitor |
| VOC           | Condition 5148, Part 1 | Y      |                       | VOC abated ≥ 85% by weight or emit < 15 lbs/day as carbon   | Condition 5148, Part 3          | C                            | Pressure Drop and Temperature monitor |
| Temp          | Condition 5148, Part 2 | Y      |                       | Temperature exiting Heat Exchanger ≤ 140 deg F  | Condition 5148, Part 3          | C                            | Temperature monitor                   |

**Table VII – AB**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-431, Carbon Tetrachloride Pressure Vessel, D-260A**  
**S-432, Carbon Tetrachloride Pressure Vessel, D-260B**  
**Each Abated by S-336, Manufacturing Services Thermal Oxidizer or Operated as Pressure Vessels**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type        |
|---------------|-------------------|--------|-----------------------|---|---------------------------------|------------------------------|------------------------|
| VOC           | BAAQMD 8-5-306    | N      |                       | Control device standards; includes 95% efficiency requirement                 | BAAQMD Condition 6859, part 6   | C                            | Temperature monitoring |
| VOC           | SIP 8-5-306       | Y      |                       | Control device standards; includes 95% efficiency requirement                 | BAAQMD Condition 6859, part 6   | C                            | Temperature monitoring |
| VOC           | BAAQMD 8-5-307    | N      |                       | < 500 ppm for pressure relief devices (expressed as methane) above background | BAAQMD 8-5-403                  | P/SA                         | Method 21 Inspection   |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – AB**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-431, Carbon Tetrachloride Pressure Vessel, D-260A**  
**S-432, Carbon Tetrachloride Pressure Vessel, D-260B**  
**Each Abated by S-336, Manufacturing Services Thermal Oxidizer or Operated as**  
**Pressure Vessels**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type               |
|---------------|-------------------|--------|-----------------------|--|---------------------------------|------------------------------|-------------------------------|
| VOC           | SIP 8-5-307       | Y      |                       | < 500 ppm for pressure relief devices (expressed as methane) above background                                    | BAAQMD 8-5-403                  | P/SA                         | Method 21 Inspection          |
| VOC           | SIP 8-5-307       | Y      |                       | < 100 ppm for non-pressure relief devices (expressed as methane) above background                                | Not Specified                   | None                         | Method 21 Inspection          |
| VOC           | BAAQMD 8-5-328.1  | N      |                       | Abatement by approved control device until concentration of organics is < 10,000 ppm as methane                  | BAAQMD 8-5-503                  | P/E                          | Portable hydrocarbon detector |
| VOC           | SIP 8-5-328.1.1   | Y      |                       | Tank degassing control by liquid balancing in which the resulting organic liquid has a TVP is less than 0.5 psia | BAAQMD 8-5-501                  | P/E                          | Records                       |
| VOC           | SIP 8-5-328.1.2   | Y      |                       | Abatement by Approved Control System until concentration of organics is < 10,000 ppm as methane                  | BAAQMD 8-5-503                  | P/E                          | Portable hydrocarbon detector |



## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – AC**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-434, Manufacturing Services Facility**  
**Abated by A-87, HCl Absorber/Heat Exchanger H-109 and A-85, Absorber – Packed Bed in series, Followed by A-199, Manufacturing Services Scrubber B-12, or**  
**Abated by S-336, Manufacturing Services Thermal Oxidizer, or**  
**Abated by A-199, Manufacturing Services Scrubber B-12**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit                           | Monitoring Requirement Citation   | Monitoring Frequency (P/C/N) | Monitoring Type                                  |
|---------------|-------------------|--------|-----------------------|---------------------------------|---|------------------------------|--|
| Opacity       | BAAQMD 6-1-301    | N      |                       | Ringelmann No. 1 for < 3 min/hr | For A-199 and A-87/A-85/A-199: Condition 17985, Part 7<br>For S-336: Condition 6859, Part 6 | A-199: P-D<br><br>S-336: C   | Caustic concentration<br><br>Temperature monitor |
| Opacity       | SIP 6-301         | Y      |                       | Ringelmann No. 1 for < 3 min/hr | For A-199 and A-87/A-85/A-199: Condition 17985, Part 7<br>For S-336: Condition 6859, Part 6 | A-199: P-D<br><br>S-336: C   | Caustic concentration<br><br>Temperature monitor |
| FP            | BAAQMD 6-1-310    | N      |                       | 0.15 grain/dscf                 | For A-199 and A-87/A-85/A-199: Condition 17985, Part 7<br>For S-336: Condition 6859, Part 6 | A-199: P-D<br><br>S-336: C   | Caustic concentration<br><br>Temperature monitor |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – AC**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-434, Manufacturing Services Facility**  
**Abated by A-87, HCl Absorber/Heat Exchanger H-109 and A-85, Absorber – Packed**  
**Bed in series, Followed by A-199, Manufacturing Services Scrubber B-12, or**  
**Abated by S-336, Manufacturing Services Thermal Oxidizer, or**  
**Abated by A-199, Manufacturing Services Scrubber B-12**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation   | Monitoring Frequency (P/C/N) | Monitoring Type                                  |
|---------------|-------------------|--------|-----------------------|---|---|------------------------------|--|
| FP            | SIP<br>6-310      | Y      |                       | 0.15 grain/dscf   | For A-199 and A-87/A-85/A-199: Condition 17985, Part 7<br>For S-336: Condition 6859, Part 6 | A-199: P-D<br><br>S-336: C   | Caustic concentration<br><br>Temperature monitor |
| FP            | BAAQMD<br>6-1-311 | N      |                       | $4.10 P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr | For A-199 and A-87/A-85/A-199: Condition 17985, Part 7<br>For S-336: Condition 6859, Part 6 | A-199: P-D<br><br>S-336: C   | Caustic concentration<br><br>Temperature monitor |
| FP            | SIP<br>6-311      | Y      |                       | $4.10 P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr | For A-199 and A-87/A-85/A-199: Condition 17985, Part 7<br>For S-336: Condition 6859, Part 6 | A-199: P-D<br><br>S-336: C   | Caustic concentration<br><br>Temperature monitor |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – AC**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-434, Manufacturing Services Facility**  
**Abated by A-87, HCl Absorber/Heat Exchanger H-109 and A-85, Absorber – Packed**  
**Bed in series, Followed by A-199, Manufacturing Services Scrubber B-12, or**  
**Abated by S-336, Manufacturing Services Thermal Oxidizer, or**  
**Abated by A-199, Manufacturing Services Scrubber B-12**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation   | Monitoring Frequency (P/C/N) | Monitoring Type                                  |
|---------------|-------------------|--------|-----------------------|--|---|------------------------------|--|
| POC           | BAAQMD 8-2-301    | Y      |                       | Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry  | For A-199 and A-87/A-85/A-199: Condition 17985, Part 7<br>For S-336: Condition 6859, Part 6 | A-199: P-D<br><br>S-336: C   | Caustic concentration<br><br>Temperature monitor |
| POC           | BAAQMD 8-10-301   | Y      |                       | Vessel depressurization recovered/combusted or contained/treated until organic partial pressure < 4.6 psig | 8-10-501  | P-E                          | Records  |
| POC           | SIP 8-10-301      | Y      |                       | Vessel depressurization recovered/combusted or contained/treated until organic partial pressure < 4.6 psig | None  | P-E                          | Records  |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – AC**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-434, Manufacturing Services Facility**  
**Abated by A-87, HCl Absorber/Heat Exchanger H-109 and A-85, Absorber – Packed**  
**Bed in series, Followed by A-199, Manufacturing Services Scrubber B-12, or**  
**Abated by S-336, Manufacturing Services Thermal Oxidizer, or**  
**Abated by A-199, Manufacturing Services Scrubber B-12**

| Type of Limit         | Citation of Limit       | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type       |
|-----------------------|-------------------------|--------|-----------------------|--|---------------------------------|------------------------------|-----------------------|
| POC                   | BAAQMD 8-10-302         | N      |                       | Opening of Process Vessels: 302.1 TOC concentration $\leq$ 10,000 ppm as methane, 302.2 if greater than 10,000 ppm, then number of vessels less than 10% of total vessels during any consecutive 5 year period and emissions $\leq$ 15 pounds per day. | 8-10-501                        | P-E                          | Records               |
| Caustic concentration | Condition 17985, Part 6 | Y      |                       | A-199 Caustic concentration $\geq$ 1% wt.  | Condition 17985, Part 7         | A-199: P-D                   | Caustic concentration |
| HCl                   | Condition 17985, Part 9 | Y      |                       | 36% HCl production $\leq$ 108,300 tons/12 months   | Condition 17985, Part 9         | P-M                          | Records               |

Note: HCl emissions from S-434 and A-199 is subject to NESHAP Subpart NNNNN (details in MACT Monitoring Table). S-434 Carbon Distillation Process subject to NESHAP Subpart FFFF (details TBD in MACT Monitoring Table).

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – AD**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-444, U-183 Dowtherm Heater**

| Type of Limit   | Citation of Limit       | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|-----------------|-------------------------|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| Opacity         | BAAQMD 6-1-301          | N      |                       | Ringelmann No. 1 for < 3 min/hr  | None                            | N                            | N/A             |
| Opacity         | SIP 6-301               | Y      |                       | Ringelmann No. 1 for < 3 min/hr  | None                            | N                            | N/A             |
| FP              | BAAQMD 6-1-310.3        | N      |                       | 0.15 grain/dscf, corrected to dry standard conditions 6% O <sub>2</sub>                    | None                            | N                            | N/A             |
| FP              | SIP 6-310.3             | Y      |                       | 0.15 grain/dscf, corrected to dry standard conditions 6% O <sub>2</sub>                    | None                            | N                            | N/A             |
| NO <sub>x</sub> | BAAQMD 9-7-301.1        | N      |                       | 30 ppmvd at 3% O <sub>2</sub>  | Condition 11054, Part 5         | P – Annual                   | Source Test     |
| NO <sub>x</sub> | SIP 9-7-301.1           | Y      |                       | 30 ppmvd at 3% O <sub>2</sub>  | Condition 11054, Part 5         | P – Annual                   | Source Test     |
| NO <sub>x</sub> | BAAQMD 9-7-307.5        | N      |                       | 9 ppmvd at 3% O <sub>2</sub>   | Condition 11054, Part 5         | P – Annual                   | Source Test     |
| NO <sub>x</sub> | Condition 11054 Part 2b |        |                       | 9 ppmvd at 3% O <sub>2</sub>   | Condition 11054, Part 5         | P – Annual                   | Source Test     |
| CO              | BAAQMD 9-7-301.4        | N      |                       | 400 ppmvd at 3% O <sub>2</sub>   | Condition 11054, Part 5         | P – Annual                   | Source Test     |
| CO              | SIP 9-7-301.2           | Y      |                       | 400 ppmvd at 3% O <sub>2</sub>   | Condition 11054, Part 5         | P – Annual                   | Source Test     |
| CO              | Condition 11054, Part 3 | Y      |                       | 50 ppmvd at 3% O <sub>2</sub>  | Condition 11054, Part 5         | P – Annual                   | Source Test     |
| SO <sub>2</sub> | BAAQMD 9-1-301          | Y      |                       | ground level concentrations<br>0.5 ppm for 3 min; 0.25 ppm for 60 min; 0.05 ppm for 24 hrs | None                            | N                            | N/A             |
| SO <sub>2</sub> | BAAQMD 9-1-302          | Y      |                       | SO <sub>2</sub> ≤ 300 ppm, dry   | None                            | N                            | N/A             |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – AE**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-446, Sym-Tet Plant**  
**Abated by S-389 when S-389 is operating, or**  
**Abated by A-88, B-106 Sym-Tet Scrubber or**  
**Abated by A-89, X-3 Emergency Venturi at N-Serve/Sym-Tet**  
**Reactor and Stripping Systems, or abated by A-168, B-609 Emergency Backup**  
**Caustic Scrubber**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation                            | Monitoring Frequency (P/C/N) | Monitoring Type            |
|---------------|-------------------|--------|-----------------------|--|--|------------------------------|----------------------------|
| Opacity       | BAAQMD 6-1-301    | N      |                       | Ringelmann No. 1 for < 3 min/hr  | For S-389: Condition 2039, Part 13<br>For A-88/ A-89: None | S-389: C<br>A-88/89: N       | Temperature monitor<br>N/A |
| Opacity       | SIP 6-301         | Y      |                       | Ringelmann No. 1 for < 3 min/hr  | For S-389: Condition 2039, Part 13<br>For A-88/ A-89: None | S-389: C<br>A-88/89: N       | Temperature monitor<br>N/A |
| FP            | BAAQMD 6-1-310    | N      |                       | 0.15 grain/dscf  | Same as Above  | Same as Above                | Same as Above              |
| FP            | SIP 6-310         | Y      |                       | 0.15 grain/dscf  | Same as Above  | Same as Above                | Same as Above              |
| FP            | BAAQMD 6-1-311    | N      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate, where P is process weight rate in ton/hr | Same as Above  | Same as Above                | Same as Above              |
| FP            | SIP 6-311         | Y      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate, where P is process weight rate in ton/hr | Same as Above  | Same as Above                | Same as Above              |
| POC           | BAAQMD 8-2-301    | Y      |                       | Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry                          | For S-389: Condition 2039, Part 13<br>For A-88/ A-89: None | S-389: C<br>A-88/89: N       | Temperature monitor<br>N/A |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – AE**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-446, Sym-Tet Plant**  
**Abated by S-389 when S-389 is operating, or**  
**Abated by A-88, B-106 Sym-Tet Scrubber or**  
**Abated by A-89, X-3 Emergency Venturi at N-Serve/Sym-Tet**  
**Reactor and Stripping Systems, or abated by A-168, B-609 Emergency Backup**  
**Caustic Scrubber**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|-------------------|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| POC           | BAAQMD 8-10-301   | Y      |                       | Vessel depressurization recovered/combusted or contained/treated until organic partial pressure < 4.6 psig   | 8-10-501                        | P-E                          | Records         |
| POC           | SIP 8-10-301      | Y      |                       | Vessel depressurization recovered/combusted or contained/treated until organic partial pressure < 4.6 psig   | None                            | P-E                          | Records         |
| POC           | BAAQMD 8-10-302   | N      |                       | Opening of Process Vessels: 302.1 TOC concentration ≤ 10,000 ppm as methane, 302.2 if greater than 10,000 ppm, then number of vessels less than 10% of total vessels during any consecutive 5 year period and emissions ≤ 15 pounds per day. | 8-10-501                        | P-E                          | Records         |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – AF**  
**Applicable Limits and Compliance Monitoring Requirements**  
**[Pressure Tank < 75m<sup>3</sup>]**  
**S-458, T-80 in Block 660**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type      |
|---------------|-------------------|--------|-----------------------|---|---------------------------------|------------------------------|----------------------|
| VOC           | BAAQMD 8-5-307    | N      |                       | < 500 ppm for pressure relief devices (expressed as methane) above background     | BAAQMD 8-5-403                  | P/SA                         | Method 21 Inspection |
| VOC           | SIP 8-5-307       | Y      |                       | < 500 ppm for pressure relief devices (expressed as methane) above background     | BAAQMD 8-5-403                  | P/SA                         | Method 21 Inspection |
| VOC           | SIP 8-5-307       | Y      |                       | < 100 ppm for non-pressure relief devices (expressed as methane) above background | Not Specified                   | None                         | Method 21 Inspection |

**Table VII – AG**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-460, Dowtherm Heater U-83**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|-------------------|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| Opacity       | BAAQMD 6-1-301    | N      |                       | Ringelmann No. 1 for < 3 min/hr  | None                            | N                            | N/A             |
| Opacity       | SIP 6-301         | Y      |                       | Ringelmann No. 1 for < 3 min/hr  | None                            | N                            | N/A             |
| FP            | BAAQMD 6-1-310.3  | N      |                       | 0.15 grain/dscf, corrected to dry standard conditions 6% O <sub>2</sub>            | None                            | N                            | N/A             |
| FP            | SIP 6-310.3       | Y      |                       | 0.15 grain/dscf, corrected to dry standard conditions 6% O <sub>2</sub>            | None                            | N                            | N/A             |
| FP            | BAAQMD 6-1-311    | N      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate, where P is process weight rate in ton/hr | None                            | N                            | N/A             |



## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – AG**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-460, Dowtherm Heater U-83**

| Type of Limit   | Citation of Limit       | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|-----------------|-------------------------|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| FP              | SIP 6-311               | Y      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate, where P is process weight rate in ton/hr         | None                            | N                            | N/A             |
| NOx             | BAAQMD 9-7-301.1        | Y      |                       | 30 ppmvd at 3% O <sub>2</sub>  | Condition 503, Part 7           | P/A                          | Source Test     |
| NOx             | SIP 9-7-301.1           | Y      |                       | 30 ppmvd at 3% O <sub>2</sub>  | Condition 503, Part 7           | P/A                          | Source Test     |
| NOx             | BAAQMD 9-7-307.5        | N      |                       | 9 ppmvd at 3% O <sub>2</sub>   | Condition 503, Part 7           | P/A                          | Source Test     |
| NOx             | Condition #503, Part 3b | Y      |                       | 9 ppmvd at 3% O <sub>2</sub>   | Condition 503, Part 7           | P/A                          | Source Test     |
| CO              | BAAQMD 9-7-307.5        | N      |                       | 400 ppmvd at 3% O <sub>2</sub>   | Condition 503, Part 7           | P/A                          | Source Test     |
| CO              | SIP 9-7-301.2           | Y      |                       | 400 ppmvd at 3% O <sub>2</sub>   | Condition 503, Part 7           | P/A                          | Source Test     |
| SO <sub>2</sub> | BAAQMD 9-1-301          | Y      |                       | ground level concentrations<br>0.5 ppm for 3 min; 0.25 ppm for 60 min; 0.05 ppm for 24 hrs | None                            | N                            | N/A             |
| SO <sub>2</sub> | BAAQMD 9-1-302          | Y      |                       | SO <sub>2</sub> ≤ 300 ppm, dry   | None                            | N                            | N/A             |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – AH**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-461, Plant 663 R-401 Reactor, Abated by A-96, B-405 Acid Absorber & Tails Tower**  
**S-462, Plant 663 R-402 Reactor, Abated by A-96, B-405 Acid Absorber & Tails Tower**  
**S-463, Plant 663 F-403 Separator**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|-------------------|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| Opacity       | BAAQMD 6-1-301    | N      |                       | Ringelmann No. 1 for < 3 min/hr  | None                            | N                            | N/A             |
| Opacity       | SIP 6-301         | Y      |                       | Ringelmann No. 1 for < 3 min/hr  | None                            | N                            | N/A             |
| FP            | BAAQMD 6-1-310    | N      |                       | 0.15 grain/dscf  | None                            | N                            | N/A             |
| FP            | SIP 6-310         | Y      |                       | 0.15 grain/dscf  | None                            | N                            | N/A             |
| FP            | BAAQMD 6-1-311    | N      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate, where P is process weight rate in ton/hr | None                            | N                            | N/A             |
| FP            | SIP 6-311         | Y      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate, where P is process weight rate in ton/hr | None                            | N                            | N/A             |

Notes: S-461, S-462, and S-463 are subject to Subpart MMM (details in MACT Monitoring Table).

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – AI**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-465, Product Dryer**  
**Abated by A-95, F-413 Bag Filter and A-114, Vacuum System with Condenser**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type          |
|---------------|-------------------|--------|-----------------------|--|---------------------------------|------------------------------|--------------------------|
| Opacity       | BAAQMD<br>6-1-301 | N      |                       | Ringelmann No. 1<br>for < 3 min/hr   | Condition<br>23250, Part 3      | P/W                          | Pressure Drop Monitoring |
| Opacity       | BAAQMD<br>6-301   | Y      |                       | Ringelmann No. 1<br>for < 3 min/hr   | Condition<br>23250, Part 3      | P/W                          | Pressure Drop Monitoring |
| FP            | BAAQMD<br>6-1-310 | N      |                       | 0.15 grain/dscf  | Condition<br>23250, Part 3      | P/W                          | Pressure Drop Monitoring |
| FP            | BAAQMD<br>6-310   | Y      |                       | 0.15 grain/dscf  | Condition<br>23250, Part 3      | P/W                          | Pressure Drop Monitoring |
| FP            | BAAQMD<br>6-1-311 | N      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate,<br>where P is process weight<br>rate in ton/hr | Condition<br>23250, Part 3      | P/W                          | Pressure Drop Monitoring |
| FP            | BAAQMD<br>6-311   | Y      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate,<br>where P is process weight<br>rate in ton/hr | Condition<br>23250, Part 3      | P/W                          | Pressure Drop Monitoring |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – AJ**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-474, Plant 421 - Verdict Reactor R-210,**  
**Abated by A-98, B-202 Reactor Vent Scrubber,**  
**A-99, B-203 Scrubber, routed to S-694 Reaction/HCl Absorption SystemS-476, Plant**  
**421 Trifluoro,**  
**Abated by A-97, B-201 Organic Scrubber, and A-100, B-230 Scrubber**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|-------------------|--------|-----------------------|---|---------------------------------|------------------------------|-----------------|
| Opacity       | BAAQMD<br>6-1-301 | N      |                       | Ringelmann No. 1<br>for < 3 min/hr  | None                            | N                            | N/A             |
| Opacity       | SIP<br>6-301      | Y      |                       | Ringelmann No. 1<br>for < 3 min/hr  | None                            | N                            | N/A             |
| FP            | BAAQMD<br>6-1-310 | N      |                       | 0.15 grain/dscf   | None                            | N                            | N/A             |
| FP            | SIP<br>6-310      | Y      |                       | 0.15 grain/dscf   | None                            | N                            | N/A             |
| FP            | BAAQMD<br>6-1-311 | N      |                       | $4.10 P^{0.67}$ lb/hr particulate,<br>where P is process weight<br>rate in ton/hr | None                            | N                            | N/A             |
| FP            | SIP<br>6-311      | Y      |                       | $4.10 P^{0.67}$ lb/hr particulate,<br>where P is process weight<br>rate in ton/hr | None                            | N                            | N/A             |
| POC           | BAAQMD<br>8-2-301 | Y      |                       | Emissions $\leq$ 15 pounds/day<br>and $\leq$ 300 ppm total carbon,<br>dry         | None                            | N                            | N/A             |

Notes: S-474 will be subject to 40 CFR Part 63, Subpart FFFF upon Title V issuance.

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – AK  
 Applicable Limits and Compliance Monitoring Requirements  
 S-482, Carbon Tetrachloride Rail Car Loading  
 Each Abated by S-336 or S-389, Thermal Oxidizers**

| Type of Limit  | Citation of Limit                                | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation                 | Monitoring Frequency (P/C/N) | Monitoring Type     |
|----------------|--|--------|-----------------------|---|---|------------------------------|---------------------|
| Exempt liquids | BAAQMD 8-6-110                                   | Y      |                       | True vapor pressure < 0.5 psia  | BAAQMD 8-6-501.1                                | P-E                          | Records             |
| VOC            | BAAQMD 8-6-302.1                                 | Y      |                       | Loading into delivery vehicle: Vapor balance or vapor loss control system with emissions < 0.35 lbs/1000 gallons loaded   | Condition 6859, Part 6; Condition 2039, Part 13 | C                            | Temperature monitor |
| VOC            | BAAQMD 8-6-302.2                                 | Y      |                       | Loading into delivery vehicle or transportable container: Submerged fill pipe, bottom filling, or vapor loss control system with emissions < 0.35 lbs/1000 gallons loaded | Condition 6859, Part 6; Condition 2039, Part 13 | C                            | Temperature monitor |
| VOC            | BAAQMD 8-6-304                                   | Y      |                       | Loading into storage tank (2,008 to 39,630 gallons): Vapor balance or vapor loss control system with emissions < 0.17 pounds/1000 gallons loaded                          | Condition 6859, Part 6; Condition 2039, Part 13 | C                            | Temperature monitor |
| VOC            | BAAQMD 8-6-305, 8-6-306, Condition 11276, Part 2 | Y      |                       | Vapor tight, leak free, good working order  | Condition #11276, Parts 5 & 6                   | P-E                          | Inspection          |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – AL**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-483, Carbon Tetrachloride Rail Car Loading**  
**Each Abated by S-336 or S-389, Thermal Oxidizers**

| Type of Limit  | Citation of Limit                                | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation                 | Monitoring Frequency (P/C/N) | Monitoring Type              |
|----------------|--|--------|-----------------------|---|---|------------------------------|------------------------------|
| Exempt liquids | BAAQMD 8-6-110                                   | Y      |                       | True vapor pressure < 0.5 psia  | BAAQMD 8-6-501.1                                | P-E                          | Records                      |
| VOC            | BAAQMD 8-6-302.1                                 | Y      |                       | Loading into delivery vehicle: Vapor balance or vapor loss control system with emissions < 0.35 lbs/1000 gallons loaded   | Condition 6859, Part 6; Condition 2039, Part 13 | C                            | Temperature monitor          |
| VOC            | BAAQMD 8-6-302.2                                 | Y      |                       | Loading into delivery vehicle or transportable container: Submerged fill pipe, bottom filling, or vapor loss control system with emissions < 0.35 lbs/1000 gallons loaded | Condition 6859, Part 6; Condition 2039, Part 13 | C                            | Temperature monitor          |
| VOC            | BAAQMD 8-6-304                                   | Y      |                       | Loading into storage tank (2,008 to 39,630 gallons): Vapor balance or vapor loss control system with emissions < 0.17 pounds/1000 gallons loaded                          | Condition 6859, Part 6; Condition 2039, Part 13 | C                            | Temperature monitor          |
| VOC            | BAAQMD 8-6-305, 8-6-306, Condition 11276, Part 2 | Y      |                       | Vapor tight, leak free, good working order  | Condition #11276, Parts 5 & 6                   | P-E                          | Inspection                   |
| VOC            | Condition #24779, Part 5                         | Y      |                       | 0.335 tons of POC per consecutive 12-month period   | Condition #24779, Part 4                        | P-Q, Biannual                | Portable hydrocarbon monitor |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – AM**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-492, T-403 Environmental Services**  
**Pressure Tank >75m<sup>3</sup>**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type               |
|---------------|-------------------|--------|-----------------------|--|---------------------------------|------------------------------|-------------------------------|
| VOC           | BAAQMD 8-5-306    | N      |                       | Control device standards; includes 95% efficiency requirement (when operated with emission control system)         | BAAQMD Condition 6859, part 6   | C                            | Temperature monitoring        |
| VOC           | SIP 8-5-306       | Y      |                       | Control device standards; includes 95% efficiency requirement (when operated with emission control system)         | BAAQMD Condition 6859, part 6   | C                            | Temperature monitoring        |
| VOC           | SIP 8-5-307       | Y      |                       | < 100 ppm for non-pressure relief devices (expressed as methane) above background (when operated as pressure tank) | Not Specified                   | None                         | Method 21 Inspection          |
| VOC           | BAAQMD 8-5-328.1  | N      |                       | Abatement by approved control device until concentration of organics is < 10,000 ppm as methane                    | BAAQMD 8-5-503                  | P/E                          | Portable hydrocarbon detector |
| VOC           | SIP 8-5-328.1     | Y      |                       | Tank degassing control by liquid balancing in which the resulting organic liquid has a TVP is less than 0.5 psia   | BAAQMD 8-5-501                  | P/E                          | Records                       |
| VOC           | SIP 8-5-328.1.2   | Y      |                       | Abatement by approved control system until concentration of organics is < 10,000 ppm as methane                    | BAAQMD 8-5-503                  | P/E                          | Portable hydrocarbon detector |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – AN**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-496, T-241 Storage Tank Specialty Chemicals**  
**Pressure Tank < 75 m3**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type      |
|---------------|-------------------|--------|-----------------------|---|---------------------------------|------------------------------|----------------------|
| VOC           | BAAQMD 8-5-307    | N      |                       | < 500 ppm for pressure relief devices (expressed as methane) above background | BAAQMD 8-5-403                  | P/SA                         | Method 21 Inspection |
| VOC           | SIP 8-5-307       | Y      |                       | < 500 ppm for pressure relief devices (expressed as methane) above background | BAAQMD 8-5-403                  | P/SA                         | Method 21 Inspection |
| VOC           | SIP 8-5-307       | Y      |                       | < 100 ppm (expressed as methane) above background                             | Not Specified                   | None                         | Method 21 Inspection |

**Table VII – AO**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-504, Chlorinolysis Train 1**  
**Abated by A-400 (S-400), Thermal Oxidizer R-901**  
**Followed by A-401, Acid Adsorber B-901 and A-79, Packed Bed Scrubber B-902**

| Type of Limit | Citation of Limit      | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type   |
|---------------|------------------------|--------|-----------------------|---|---------------------------------|------------------------------|---|
| POC           | BAAQMD 8-2-301         | Y      |                       | Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry | Condition 2213, Part 9          | C                            | Temperature Monitor   |
| VOC           | Condition 2213, Part 4 | Y      |                       | VOC emissions ≤ 15.75 pounds/hour before abatement        | Condition 2213 Parts 4, 12      | P-E                          | Measurement VOC content and calculation of maximum feedrate |



## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – AP**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-505, Chlorinolysis Train 2**  
**Abated by A-400 (S-400), Thermal Oxidizer R-901 Followed by A-401, Acid**  
**Adsorber B-901 and A-79, Packed Bed Scrubber B-902**

| Type of Limit | Citation of Limit      | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type     |
|---------------|------------------------|--------|-----------------------|---|---------------------------------|------------------------------|---------------------|
| VOC           | BAAQMD 8-2-301         | Y      |                       | Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry | Condition 2213, Part 9          | C                            | Temperature Monitor |
| VOC           | Condition 2213, Part 5 | Y      |                       | VOC emissions ≤ 1.5 pounds/hour before abatement          | Condition 2213, Part 9          | C                            | Temperature Monitor |

**Table VII – AQ**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-519, Chlorinated Pyridine Storage Tank, T-502A [< 75m3]**  
**S-520, Chlorinated Pyridine Storage Tank, T-501B [< 75m3]**  
**Each abated by S-389, Sym-Tet Thermal Oxidizer or**  
**Operated as Pressure Tanks if S-389 is not operating**

| Type of Limit | Citation of Limit             | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type        |
|---------------|-------------------------------|--------|-----------------------|--|---------------------------------|------------------------------|------------------------|
| VOC           | BAAQMD 8-5-306                | N      |                       | Control device standards; includes 95% efficiency requirement (when operated with emission control system) | BAAQMD Condition 2039, part 13  | C                            | Temperature monitoring |
| VOC           | SIP 8-5-306                   | Y      |                       | Control device standards; includes 95% efficiency requirement (when operated with emission control system) | BAAQMD Condition 2039, part 13  | C                            | Temperature monitoring |
| VOC           | SIP 8-5-307                   | Y      |                       | < 100 ppm (expressed as methane) above background (when operated as a pressure tank)                       | Not Specified                   | None                         | N/A                    |
| VOC           | BAAQMD Condition 1748, part 2 | Y      |                       | No detectible organic emissions  | None                            | N                            | N/A                    |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – AR**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-521, Water Treatment System – Steam Stripper**  
**Abated by S-336 or S-389, Thermal Oxidizers**

| Type of Limit | Citation of Limit      | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation                 | Monitoring Frequency (P/C/N) | Monitoring Type      |
|---------------|------------------------|--------|-----------------------|--|---|------------------------------|----------------------|
| VOC           | BAAQMD 8-2-301         | Y      |                       | Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry                                  | Condition 6859, Part 6; Condition 2039, Part 13 | C                            | Temperature monitor  |
| VOC           | Condition 1785, Part 1 | Y      |                       | System shall be vapor tight with no detectable emissions from the components or connectors | See Components Table                            | See Components Table         | See Components Table |

**Table VII – AS**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-530, T-902 HCl Storage Tank**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|-------------------|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| Opacity       | BAAQMD 6-1-301    | N      |                       | Ringelmann No. 1 for < 3 min/hr  | None                            | N                            | N/A             |
| Opacity       | SIP 6-301         | Y      |                       | Ringelmann No. 1 for < 3 min/hr  | None                            | N                            | N/A             |
| FP            | BAAQMD 6-1-310    | N      |                       | 0.15 grain/dscf  | None                            | N                            | N/A             |
| FP            | SIP 6-310         | Y      |                       | 0.15 grain/dscf  | None                            | N                            | N/A             |
| FP            | BAAQMD 6-1-311    | N      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate, where P is process weight rate in ton/hr | None                            | N                            | N/A             |
| FP            | SIP 6-311         | Y      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate, where P is process weight rate in ton/hr | None                            | N                            | N/A             |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – AT**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-576, HCl Storage Tank, T-122**  
**Abated by A-87, HCl Absorber, and A85, B-102 Absorber in series, followed by**  
**A-199, Manufacturing Services Scrubber B-12**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation                    | Monitoring Frequency (P/C/N) | Monitoring Type       |
|---------------|-------------------|--------|-----------------------|--|--|------------------------------|-----------------------|
| Opacity       | BAAQMD<br>6-1-301 | N      |                       | Ringelmann No. 1<br>for < 3 min/hr   | For A-87/A-85/A-199:<br>Condition<br>17985, Part 7 | P-D                          | Caustic concentration |
| Opacity       | BAAQMD<br>6-301   | Y      |                       | Ringelmann No. 1<br>for < 3 min/hr   | For A-87/A-85/A-199:<br>Condition<br>17985, Part 7 | P-D                          | Caustic concentration |
| FP            | BAAQMD<br>6-1-310 | N      |                       | 0.15 grain/dscf  | Same as Above                                      | Same as Above                | Same as Above         |
| FP            | SIP<br>6-310      | Y      |                       | 0.15 grain/dscf  | Same as Above                                      | Same as Above                | Same as Above         |
| FP            | BAAQMD<br>6-1-311 | N      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate,<br>where P is process weight<br>rate in ton/hr | Same as Above                                      | Same as Above                | Same as Above         |
| FP            | SIP<br>6-311      | Y      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate,<br>where P is process weight<br>rate in ton/hr | Same as Above                                      | Same as Above                | Same as Above         |

Note: S-576 subject to NESHAP Subpart NNNNN (details in Table TBD).

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – AU**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-580, Specialty Chemicals Storage Tank, T-3A**  
**S-581, Specialty Chemicals Storage Tank, T-3B**  
**S-582, Specialty Chemicals Storage Tank, T-215**  
**S-583, Specialty Chemicals Storage Tank, T-200**  
**Each abated by A-140, Specialty Chemicals Pressure Storage Tanks Vapor**  
**Return System**

| Type of Limit | Citation of Limit              | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type      |
|---------------|--------------------------------|--------|-----------------------|---|---------------------------------|------------------------------|----------------------|
| VOC           | SIP 8-5-307                    | Y      |                       | < 100 ppm (expressed as methane) above background | Not Specified                   | None                         | Method 21 Inspection |
| VOC           | BAAQMD Condition #3195, Part 3 | Y      |                       | Vapor pressure ≤ 0.5 psia                         | BAAQMD Condition #3195, Part 4  | P/E                          | Recordkeeping        |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – AW**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-593, Plant 640 Section 1, Abated by A-146,**  
**NMP Scrubber and A-147, Water Scrubber**  
**S-594, Plant 640 Section 2, Abated by A-147, Water Scrubber**  
**S-595, Plant 640 Section 3, Abated by A-149, Water Scrubber**  
**S-596, Plant 640 Section 4, Abated by A-147,**  
**Water Scrubber and A-148, Water Scrubber**

| Type of Limit | Citation of Limit       | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|-------------------------|--------|-----------------------|---|---------------------------------|------------------------------|-----------------|
| VOC           | BAAQMD 8-2-301          | Y      |                       | Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry   | Condition 4780, Part 18         | P – once every 5 years       | Source Test     |
| VOC           | Condition 4780, Part 1  | Y      |                       | POC emissions from A-147 & A-149 combined ≤ 8 pounds/day  | Condition 4780, Part 18         | P – once every 5 years       | Source Test     |
| VOC           | Condition 4780, Part 2  | N      |                       | 4-amino-3,5 dichloro-2,6 diflouro pyridine from A-147 & A-149 ≤ 0.02 pounds/day   | Condition 4780, Part 18         | P-Once every 5 years         | Source Test     |
| VOC           | Condition 4780, Part 11 | Y      |                       | Railcar shipments ≤ 562 railcars Per 12-month period  | Condition 4780, Part 16         | P-E                          | Records         |
| NH3           | Condition 4780, Part 3  | N      |                       | NH3 emissions from MEI Plant 640 do not exceed 0.02 pound per day and that the exhaust concentration does not exceed 200 ppm. | Condition 4780, Part 18         | P-Once every 5 years         | Source Test     |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – AX**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-604, Tank Truck Loading Facility Plant 640**  
**Abated by A-157, Vapor Return for Truck Loading Facility – Vapor Balance**

| Type of Limit | Citation of Limit       | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type      |
|---------------|-------------------------|--------|-----------------------|---|---------------------------------|------------------------------|----------------------|
| VOC           | BAAQMD 8-6-110          | Y      |                       | Load exempt materials only, true vapor pressure $\leq 0.5$ psia                                       | BAAQMD 8-6-503                  | P-E                          | Records              |
| VOC           | Condition 4780, Part 6  | Y      |                       | No detectable emissions from tank truck loading < 100 ppm organic as methane measured 1cm from source | See Components Table            | See Components Table         | See Components Table |
| VOC           | Condition 4780, Part 13 | Y      |                       | Truck trips for materials received: $\leq 256$ truck trips Per 12-month period                        | Condition 4780, Part 16         | P-E                          | Records              |

**Table VII – AY**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-607, Storage Tank, T-1904**  
**Abated by A-147, B-3210 Scrubber**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type      |
|---------------|-------------------|--------|-----------------------|---|---------------------------------|------------------------------|----------------------|
| VOC           | BAAQMD 8-5-307    | N      |                       | < 500 ppm for pressure relief devices (expressed as methane) above background | BAAQMD 8-5-403                  | P/SA                         | Method 21 Inspection |
| VOC           | SIP 8-5-307       | Y      |                       | < 500 ppm for pressure relief devices (expressed as methane) above background | BAAQMD 8-5-403                  | P/SA                         | Method 21 Inspection |
| VOC           | SIP 8-5-307       | Y      |                       | < 100 ppm (expressed as methane) above background                             | BAAQMD 8-18-401                 | P/Q                          | Method 21 Inspection |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – AZ**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-620, HCL Truck Loading Operation**  
**Abated by A-165, HCl Truck Loading Scrubber System**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation    | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|-------------------|--------|-----------------------|--|------------------------------------|------------------------------|-----------------|
| Opacity       | BAAQMD<br>6-1-301 | N      |                       | Ringelmann No. 1<br>for < 3 min/hr   | Condition<br>#4945, Parts 2<br>& 3 | P-E                          | Visual Check    |
| Opacity       | SIP<br>6-301      | Y      |                       | Ringelmann No. 1<br>for < 3 min/hr   | Condition<br>#4945, Parts 2<br>& 3 | P-E                          | Visual Check    |
| FP            | BAAQMD<br>6-1-310 | N      |                       | 0.15 grain/dscf  | None                               | N                            | N/A             |
| FP            | SIP<br>6-310      | Y      |                       | 0.15 grain/dscf  | None                               | N                            | N/A             |
| FP            | BAAQMD<br>6-1-311 | N      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate,<br>where P is process weight<br>rate in ton/hr | None                               | N                            | N/A             |
| FP            | SIP<br>6-311      | Y      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate,<br>where P is process weight<br>rate in ton/hr | None                               | N                            | N/A             |

Note: S-620 subject to NESHAP Subpart NNNNN (details in MACT Monitoring Table at the end of the section).

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – BB**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-625, T-610 Perc Expansion Tank < 75 m3, Abated by A-400 (S-400), Thermal**  
**Oxidizer R-901**

| Type of Limit | Citation of Limit       | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type      |
|---------------|-------------------------|--------|-----------------------|---|---------------------------------|------------------------------|----------------------|
| VOC           | SIP 8-5-307             | Y      |                       | < 100 ppm (expressed as methane) above background | Not Specified                   | None                         | Method 21 Inspection |
| VOC           | Condition 21059, Part 1 | Y      |                       | Vapor pressure ≤ 0.5 psia                         | Condition 21059, Part 2         | P/E                          | Records              |

S-625 is subject to Subpart EEEE (details in MACT Monitoring Table).

**Table VII – BC**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-631, Portable Resin Dryer D-203C**  
**Abated by S-336, Manufacturing Services Thermal Oxidizer**

| Type of Limit | Citation of Limit      | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type     |
|---------------|------------------------|--------|-----------------------|---|---------------------------------|------------------------------|---------------------|
| VOC           | Condition 5336, Part 2 | Y      |                       | No detectable emissions from piping and equipment | See Component Table             | See Component Table          | See Component Table |



## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – BD**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-633, Water Treatment Carbon Bed Regeneration**  
**Abated by S-336 or S-389, Thermal Oxidizers**

| Type of Limit | Citation of Limit      | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation                 | Monitoring Frequency (P/C/N) | Monitoring Type      |
|---------------|------------------------|--------|-----------------------|--|---|------------------------------|----------------------|
| VOC           | BAAQMD 8-1-110.3       | Y      |                       | VOC abated ≥ 85% by weight and ≥ 90% of organic carbon oxidized to CO <sub>2</sub> | Condition 6859, Part 6, Condition 2039, Part 13 | C                            | Temperature monitors |
| VOC           | Condition 5722, Part 1 | Y      |                       | No detectable emissions  | See Component Table                             | See Component Table          | See Component Table  |

**Table VII – BE**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-641, Groundwater Treatment Plant Decant Tank, T-440 [<75 m<sup>3</sup>]**  
**Abated by S-336 or S-389, Thermal Oxidizers**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation                   | Monitoring Frequency (P/C/N) | Monitoring Type        |
|---------------|-------------------|--------|-----------------------|--|---|------------------------------|------------------------|
| VOC           | BAAQMD 8-5-306    | N      |                       | Control device standards; includes 95% efficiency requirement (when operated with emission control system) | BAAQMD Conditions 2039, part 13, and 6859, part 6 | C                            | Temperature monitoring |
| VOC           | SIP 8-5-306       | Y      |                       | Control device standards; includes 95% efficiency requirement (when operated with emission control system) | BAAQMD Conditions 2039, part 13, and 6859, part 6 | C                            | Temperature monitoring |
| VOC           | SIP 8-5-307       | Y      |                       | < 100 ppm (expressed as methane) above background (when operated as pressure tank)                         | Not Specified                                     | None                         | Method 21 Inspection   |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – BF**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-644, Hydrochloric Acid Storage Tank, T-34A**  
**S-645, Hydrochloric Acid Storage Tank, T-34B**  
**Both abated by A-179, X-39/B-39 Scrubber System or S-336, Manufacturing Services**  
**Thermal Oxidizer**

| Type of Limit | Citation of Limit                    | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation      | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|--------------------------------------|--------|-----------------------|---|--------------------------------------|------------------------------|-----------------|
| Opacity       | BAAQMD<br>6-1-301                    | N      |                       | Ringelmann No. 1<br>for < 3 min/hr  | None                                 | N                            | N/A             |
| Opacity       | SIP<br>6-301                         | Y      |                       | Ringelmann No. 1<br>for < 3 min/hr  | None                                 | N                            | N/A             |
| FP            | BAAQMD<br>6-1-310                    | N      |                       | 0.15 grain/dscf   | None                                 | N                            | N/A             |
| FP            | SIP<br>6-310                         | Y      |                       | 0.15 grain/dscf   | None                                 | N                            | N/A             |
| FP            | BAAQMD<br>6-1-311                    | N      |                       | 4.10 P <sup>0.67</sup> lb/hr<br>particulate, where P is<br>process weight rate in<br>ton/hr | None                                 | N                            | N/A             |
| FP            | SIP<br>6-311                         | Y      |                       | 4.10 P <sup>0.67</sup> lb/hr<br>particulate, where P is<br>process weight rate in<br>ton/hr | None                                 | N                            | N/A             |
| HCl           | BAAQMD<br>Condition #<br>7775 Part 1 | Y      |                       | Combined throughput of<br>HCl ≤ 3,000,000<br>gallons/12 months                              | BAAQMD<br>Condition #<br>7775 Part 5 | P/M                          | Records         |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – BG**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-646, 36% HCl Tank Truck Loading Operation**  
**Abated by A-180, HCl Tank Truck Loading Vapor Return Line – Vapor Balance**  
**to A-179, X-39/B-39 Scrubber System or S-644, T-34A 36% HCl Storage Tank or**  
**S-645, T-34B 36% HCl Storage Tank or S-336,**  
**Manufacturing Services Thermal Oxidizer**

| Type of Limit | Citation of Limit      | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|------------------------|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| Opacity       | BAAQMD 6-1-301         | N      |                       | Ringelmann No. 1 for < 3 min/hr  | None                            | N                            | N/A             |
| Opacity       | SIP 6-301              | Y      |                       | Ringelmann No. 1 for < 3 min/hr  | None                            | N                            | N/A             |
| FP            | BAAQMD 6-1-310         | N      |                       | 0.15 grain/dscf  | None                            | N                            | N/A             |
| FP            | SIP 6-310              | Y      |                       | 0.15 grain/dscf  | None                            | N                            | N/A             |
| FP            | BAAQMD 6-1-311         | N      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate, where P is process weight rate in ton/hr | None                            | N                            | N/A             |
| FP            | SIP 6-311              | Y      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate, where P is process weight rate in ton/hr | None                            | N                            | N/A             |
| PM            | Condition 7775, Part 3 | Y      |                       | Throughput of 36% HCl ≤ 3,000,000 gallons/12 months                                | Condition 7775, Part 5          | P-M                          | Records         |

Note: S-646 subject to NESHAP Subpart NNNNN (details in Table at the end of the section).

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – BH**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-647, Catalytic Hydrogen Chloride Plant**  
**Followed by S-648, Hydrogen Chloride Absorber E-277**  
**Vents Abated by A-181, B-278 Packed Bed Column,**  
**Followed by A-182, B-279 Packed Bed Column,**  
**Followed by S-336, Manufacturing Services Thermal Oxidizer**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation         | Monitoring Frequency (P/C/N) | Monitoring Type        |
|---------------|-------------------|--------|-----------------------|---|---|------------------------------|------------------------|
| POC           | BAAQMD<br>8-2-301 | Y      |                       | Emissions ≤ 15 pounds/day<br>and ≤ 300 ppm total<br>carbon, dry | For S-336:<br>Condition 6859,<br>Part 6 | For S-336: C                 | Temperature<br>monitor |

Note: S-647 subject to NESHAP Subpart NNNNN (details in Table at the end of the section).

**Table VII – BI**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-648, Hydrogen Chloride Absorber, E-277 Abated by A-181, B-278 Packed Bed**  
**Column, Followed by A-182, B-279 Packed Bed Column,**  
**Followed by S-336, Manufacturing Services Thermal Oxidizer**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|-------------------|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| Opacity       | BAAQMD<br>6-1-301 | N      |                       | Ringelmann No. 1<br>for < 3 min/hr   | None                            | N                            | N/A             |
| Opacity       | SIP<br>6-301      | Y      |                       | Ringelmann No. 1<br>for < 3 min/hr   | None                            | N                            | N/A             |
| FP            | BAAQMD<br>6-1-310 | N      |                       | 0.15 grain/dscf  | None                            | N                            | N/A             |
| FP            | SIP<br>6-310      | Y      |                       | 0.15 grain/dscf  | None                            | N                            | N/A             |
| FP            | BAAQMD<br>6-1-311 | N      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate,<br>where P is process weight<br>rate in ton/hr | None                            | N                            | N/A             |
| FP            | SIP<br>6-311      | Y      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate,<br>where P is process weight<br>rate in ton/hr | None                            | N                            | N/A             |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

Note: S-648 subject to NESHAP Subpart NNNNN (details in Table at the end of this section).

**Table VII – BJ**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-649, 36% Hydrogen Chloride Acid Storage Tank, V-277**  
**Abated by A-181, B-278 Packed Bed Column, followed by A-182, B-279 Packed Bed**  
**Column, followed by S-336, Manufacturing Services Thermal Oxidizer**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|-------------------|--------|-----------------------|---|---------------------------------|------------------------------|-----------------|
| Opacity       | BAAQMD<br>6-1-301 | N      |                       | Ringelmann No. 1<br>for < 3 min/hr  | None                            | N                            | N/A             |
| Opacity       | SIP<br>6-301      | Y      |                       | Ringelmann No. 1<br>for < 3 min/hr  | None                            | N                            | N/A             |
| FP            | BAAQMD<br>6-1-310 | N      |                       | 0.15 grain/dscf   | None                            | N                            | N/A             |
| FP            | SIP<br>6-310      | Y      |                       | 0.15 grain/dscf   | None                            | N                            | N/A             |
| FP            | BAAQMD<br>6-1-311 | N      |                       | 4.10 P <sup>0.67</sup> lb/hr<br>particulate, where P is<br>process weight rate in<br>ton/hr | None                            | N                            | N/A             |
| FP            | SIP<br>6-311      | Y      |                       | 4.10 P <sup>0.67</sup> lb/hr<br>particulate, where P is<br>process weight rate in<br>ton/hr | None                            | N                            | N/A             |

Note: S-649 subject to NESHAP Subpart NNNNN (details in Table at the end of the section).

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – BK**

**Applicable Limits and Compliance Monitoring Requirements**

**S-650, 36% Hydrogen Chloride Acid Storage Tank, V-280A**

**S-651, 36% Hydrogen Chloride Acid Storage Tank, V-280B**

**S-652, 36% Hydrogen Chloride Acid Storage Tank, V-280C**

**Abated by A-181, B-278 Packed Bed Column, followed by A-182, B-279 Packed Bed**

**Column, followed by A-184, ME 290A/B Carbon Beds or S-336, Manufacturing**

**Services Thermal Oxidizer**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|-------------------|--------|-----------------------|---|---------------------------------|------------------------------|-----------------|
| Opacity       | BAAQMD<br>6-1-301 | N      |                       | Ringelmann No. 1<br>for < 3 min/hr  | None                            | N                            | N/A             |
| Opacity       | SIP<br>6-301      | Y      |                       | Ringelmann No. 1<br>for < 3 min/hr  | None                            | N                            | N/A             |
| FP            | BAAQMD<br>6-1-310 | N      |                       | 0.15 grain/dscf   | None                            | N                            | N/A             |
| FP            | SIP<br>6-310      | Y      |                       | 0.15 grain/dscf   | None                            | N                            | N/A             |
| FP            | BAAQMD<br>6-1-311 | N      |                       | 4.10 P <sup>0.67</sup> lb/hr<br>particulate, where P is<br>process weight rate in<br>ton/hr | None                            | N                            | N/A             |
| FP            | SIP<br>6-311      | Y      |                       | 4.10 P <sup>0.67</sup> lb/hr<br>particulate, where P is<br>process weight rate in<br>ton/hr | None                            | N                            | N/A             |

Note: S-650, S-651, S-652 are subject to NESHAP Subpart NNNNN (details in Table at the end of this section).

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – BL**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-654, Abrasive Blasting Operation**  
**Abated by A-185, Eagle Containment Screens**

| Type of Limit | Citation of Limit    | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|----------------------|--------|-----------------------|---|---------------------------------|------------------------------|-----------------|
| Opacity       | BAAQMD 6-1-301       | N      |                       | Confined: Ringelmann No. 1 for < 3 min/hr   | Condition 8591, Part 5          | P-W                          | Inspection      |
| Opacity       | SIP 6-301            | Y      |                       | Confined: Ringelmann No. 1 for < 3 min/hr   | Condition 8591, Part 5          | P-W                          | Inspection      |
| FP            | BAAQMD 6-1-311       | N      |                       | Confined: $4.10 P^{0.67}$ lb/hr, where P is process weight rate in ton/hr   | None                            | N                            | N/A             |
| FP            | SIP 6-311            | Y      |                       | Confined: $4.10 P^{0.67}$ lb/hr, where P is process weight rate in ton/hr   | None                            | N                            | N/A             |
| Opacity       | BAAQMD 12-4-301      | N      |                       | Unconfined: Ringelmann No. 1, unless comply with 12-4-303 through 12-4-309  | None                            | N                            | N/A             |
| Opacity       | SIP 12-4-301         | Y      |                       | Unconfined: Ringelmann No. 1  | None                            | N                            | N/A             |
| Opacity       | BAAQMD 12-4-302      | Y      |                       | Unconfined: Ringelmann No. 2, if comply with 12-4-303 through 12-4-309  | None                            | N                            | N/A             |
| PM            | BAAQMD 12-4-303, 304 | Y      |                       | Operating requirements for or pavement marking removal and preparation, and blasting other than in 12-4-303 or 12-4-305 through 309         | Condition 8591, Part 3          | P-E                          | Records         |
| PM            | BAAQMD 12-4-305.1    | Y      |                       | Before blasting: abrasives for dry unconfined blasting, including re-used certified abrasives, $\leq 1\%$ wt #70 US Standard sieve material | Condition 8591, Parts 3 & 4     | P-E                          | Records         |
| PM            | BAAQMD 12-4-305.2    | Y      |                       | After blasting: abrasives for dry unconfined blasting, excluding reused certified abrasives, $\leq 1.8\%$ wt 5 micron or smaller material   | Same as Above                   | Same as Above                | Same as Above   |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – BL  
 Applicable Limits and Compliance Monitoring Requirements  
 S-654, Abrasive Blasting Operation  
 Abated by A-185, Eagle Containment Screens**

| Type of Limit | Citation of Limit         | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|---------------------------|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| PM            | BAAQMD 12-4-306           | Y      |                       | Abrasives for unconfined dry blasting must be certified annually   | Condition 8591, Parts 3, 4      | P-E                          | Records         |
| PM            | BAAQMD 12-4-308, 12-4-309 | N      |                       | Type of blasting for which confined blasting is required and operational requirements for blasting of stucco or concrete | Condition 8591, Part 3          | P-E                          | Records         |
| PM            | Condition 8591, Part 1    | Y      |                       | Confined: grit type blast media throughput $\leq$ 270.4 tons/12 months   | Condition 8591, Part 3          | P-M                          | Records         |
| PM            | Condition 8591, Part 2    | Y      |                       | Unconfined: grit type blast media throughput $\leq$ 33.8 tons/12 months  | Same as Above                   | Same as Above                | Same as Above   |
| PM            | Condition 8591, Part 4    | Y      |                       | Unconfined blasting: Only certified abrasives may be used  | Same as Above                   | Same as Above                | Same as Above   |



## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – BM**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-662, Storage Tank, T-243**  
**S-663, Storage Tank, T-242**  
**S-664, Storage Tank, T-244**

**Abated by A-192, Vent Recovery System, S-336, Manufacturing Services Thermal Oxidizer, S-389, Sym-Tet Thermal Oxidizer, or Pressure Valve Setting**

| Type of Limit      | Citation of Limit       | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type                      |
|--------------------|-------------------------|--------|-----------------------|---|---------------------------------|------------------------------|--------------------------------------|
| VOC                | BAAQMD 8-5-307          | N      |                       | < 500 ppm for pressure relief devices (expressed as methane) above background | BAAQMD 8-5-403                  | P/SA                         | Method 21 Inspection                 |
| VOC                | SIP 8-5-307             | Y      |                       | < 500 ppm for pressure relief devices (expressed as methane) above background | BAAQMD 8-5-403                  | P/SA                         | Method 21 Inspection                 |
| VOC                | SIP 8-5-307             | Y      |                       | < 100 ppm (expressed as methane) above background                             | Not Specified                   | None                         | Method 21 Inspection                 |
| Methylene Chloride | Condition 14438, Part 6 | Y      |                       | 1233 lb/day of methylene chloride sent to halogen acid furnace S-389          | Condition 14438, Part 7         | D                            | District Approved Calculation Method |

S-662, S-663, S-664 are subject to Subpart EEEE (details in MACT Monitoring Table).

**Table VII – BN**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-680, Pressure Tank, T-440**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type      |
|---------------|-------------------|--------|-----------------------|---|---------------------------------|------------------------------|----------------------|
| VOC           | BAAQMD 8-5-307    | N      |                       | < 500 ppm for pressure relief devices (expressed as methane) above background | BAAQMD 8-5-403                  | P/SA                         | Method 21 Inspection |
| VOC           | SIP 8-5-307       | Y      |                       | < 500 ppm for pressure relief devices (expressed as methane) above background | BAAQMD 8-5-403                  | P/SA                         | Method 21 Inspection |
| VOC           | SIP 8-5-307       | Y      |                       | < 100 ppm (expressed as methane) above background                             | Not Specified                   | None                         | Method 21 Inspection |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – BN**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-680, Pressure Tank, T-440**

| Type of Limit | Citation of Limit               | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type               |
|---------------|---------------------------------|--------|-----------------------|---|---------------------------------|------------------------------|-------------------------------|
| VOC           | BAAQMD 8-5-328.1                | N      |                       | Abatement by approved control device until concentration of organics is < 10,000 ppm as methane   | BAAQMD 8-5-503                  | P/E                          | Portable hydrocarbon detector |
| VOC           | SIP 8-5-328.1                   | Y      |                       | Tank degassing control by liquid balancing in which the resulting organic liquid has a TVP is less than 0.5 psia  | BAAQMD 8-5-501                  | P/E                          | Records                       |
| VOC           | SIP 8-5-328.1.2                 | Y      |                       | Abatement by approved control system until concentration of organics is < 10,000 ppm as methane   | BAAQMD 8-5-503                  | P/E                          | Portable hydrocarbon detector |
| VOC           | BAAQMD 8-6-304                  | Y      |                       | Equipped with vapor balance or vapor loss control system, emissions $\leq 0.17$ lbs/1000 gallons  | None                            | N                            | N/A                           |
| VOC           | BAAQMD Condition # 14354 Part 1 | Y      |                       | Carbon tetrachloride $\leq 5,669$ gallons (74,720 lbs) during any consecutive twelve-month period   | BAAQMD Condition # 14354 Part 3 | P/E                          | Records                       |
| VOC           | BAAQMD Condition # 14354 Part 2 | Y      |                       | Unloading Events $\leq 5$ during any calendar year<br>During tank interior inspections and emergency repair $\leq 5$ per day and $\leq 20$ for the event. | BAAQMD Condition # 14354 Part 3 | P/E                          | Records                       |

S-680 is subject to Subpart EEEE (details in Table at the end of the section).

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – BO**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-681, Truck Transfer**  
**Abated by A-191, Carbon Tetrachloride Tank Truck Loading Vapor Return Line –**  
**Vapor Balance**

| Type of Limit | Citation of Limit             | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type         |
|---------------|-------------------------------|--------|-----------------------|--|---------------------------------|------------------------------|-------------------------|
| VOC           | BAAQMD<br>8-6-302.1           | Y      |                       | Loading into delivery vehicle: Vapor balance or vapor loss control system with emissions < 0.35 pounds/1000 gallons loaded   | Condition<br>14354, Part 5      | P-E                          | Method 21<br>Inspection |
| VOC           | BAAQMD<br>8-6-302.2           | Y      |                       | Loading into delivery vehicle or transportable container: Submerged fill pipe, bottom filling, or vapor loss control system with emissions < 0.35 pounds/1000 gallons loaded | Condition<br>14354, Part 5      | P-E                          | Method 21<br>Inspection |
| VOC           | BAAQMD<br>8-6-304             | Y      |                       | Loading into storage tank (2,008 to 39,630 gallons): Vapor balance or vapor loss control system with emissions < 0.17 pounds/1000 gallons loaded                             | Condition<br>14354, Part 5      | P-E                          | Method 21<br>Inspection |
| VOC           | BAAQMD<br>8-6-305,<br>8-6-306 | Y      |                       | Vapor tight, leak free, good working order   | Condition<br>14354, Part 5      | P-E                          | Method 21<br>Inspection |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – BP**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-693, Distillation System**  
**Abated by A-194, X-600 Venturi and A-195, B-615 Scrubber**

| Type of Limit | Citation of Limit  | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type                |
|---------------|--------------------|--------|-----------------------|--|---------------------------------|------------------------------|--------------------------------|
| Opacity       | BAAQMD<br>6-1-301  | N      |                       | Ringelmann No. 1<br>for < 3 min/hr   | None                            | N                            | N/A                            |
| Opacity       | SIP<br>6-301       | Y      |                       | Ringelmann No. 1<br>for < 3 min/hr   | None                            | N                            | N/A                            |
| FP            | BAAQMD<br>6-1-310  | N      |                       | 0.15 grain/dscf  | Condition<br>15932, Part 8      | P-W                          | Caustic<br>circulation<br>rate |
| FP            | SIP<br>6-310       | Y      |                       | 0.15 grain/dscf  | Condition<br>15932, Part 8      | P-W                          | Caustic<br>circulation<br>rate |
| FP            | BAAQMD<br>6-1-311  | N      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate,<br>where P is process weight<br>rate in ton/hr                               | Condition<br>15932, Part 8      | P-W                          | Caustic<br>circulation<br>rate |
| FP            | SIP<br>6-311       | Y      |                       | 4.10 P <sup>0.67</sup> lb/hr particulate,<br>where P is process weight<br>rate in ton/hr                               | Condition<br>15932, Part 8      | P-W                          |                                |
| POC           | BAAQMD<br>8-2-301  | Y      |                       | Emissions ≤ 15<br>pounds/day and<br>≤ 300 ppm total carbon,<br>dry   | Condition<br>15932, Part 8      | P-W                          |                                |
| POC           | BAAQMD<br>8-10-301 | Y      |                       | Vessel depressurization<br>recovered/combusted or<br>contained/treated until<br>organic partial pressure<br>< 4.6 psig | 8-10-501                        | P-E                          |                                |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – BP  
 Applicable Limits and Compliance Monitoring Requirements  
 S-693, Distillation System  
 Abated by A-194, X-600 Venturi and A-195, B-615 Scrubber**

| Type of Limit    | Citation of Limit       | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|------------------|-------------------------|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| POC              | BAAQMD 8-10-302         | N      |                       | Opening of Process Vessels: 302.1 TOC concentration $\leq$ 10,000 ppm as methane, 302.2 if greater than 10,000 ppm, then number of vessels less than 10% of total vessels during any consecutive 5 year period and emissions $\leq$ 15 pounds per day. | 8-10-501                        | P-E                          |                 |
| VOC              | Condition 15932, Part 1 | Y      |                       | Combined POC emissions from S-693 and S-694 < 56.9 lbs/12 months   | Condition 15932, Part 8         | P-W                          |                 |
| Circulation rate | Condition 15932, Part 3 |        |                       | Alkali solution circulation rate $\geq$ 17 gal/minute  | Condition 15932, Part 8         | P-W                          |                 |

Note: S-693 will be subject to 40 CFR Part 63 Subpart FFFF upon Title V issuance.

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – BQ**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-694, Reaction/HCl Absorption System**  
**Abated by A-195, B-615 Scrubber**

| Type of Limit    | Citation of Limit       | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type          |
|------------------|-------------------------|--------|-----------------------|--|---------------------------------|------------------------------|--------------------------|
| POC              | BAAQMD 8-2-301          | Y      |                       | Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry  | Condition 15932, Part 8         | P-W                          | Caustic circulation rate |
| POC              | BAAQMD 8-10-301         | N      |                       | Vessel depressurization recovered/combusted or contained/treated until organic partial pressure < 4.6 psig   | 8-10-501                        | P-E                          | Records                  |
| POC              | SIP 8-10-301            | Y      |                       | Vessel depressurization recovered/combusted or contained/treated until organic partial pressure < 4.6 psig   | None                            | P-E                          | Records                  |
| POC              | BAAQMD 8-10-302         | N      |                       | Opening of Process Vessels: 302.1 TOC concentration ≤ 10,000 ppm as methane, 302.2 if greater than 10,000 ppm, then number of vessels less than 10% of total vessels during any consecutive 5 year period and emissions ≤ 15 pounds per day. | 8-10-501                        | P-E                          | Records                  |
| VOC              | Condition 15932, Part 1 | Y      |                       | Combined POC emissions from S-693 and S-694 < 56.9 lbs/12 months   | Condition 15932, Part 8         | P-W                          | Records                  |
| Circulation rate | Condition 15932, Part 7 | Y      |                       | Alkali solution circulation rate at A-195 ≥ 50 gal/minute  | Condition 15932, Part 8         | P-W                          | Caustic circulation rate |

Note: S-694 will be subject to 40 CFR Part 63 Subpart FFFF upon Title V issuance.

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – BR**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-695, Storage Tank, T-580, Pressure Tank [< 75 m3]**

| Type of Limit | Citation of Limit                      | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation         | Monitoring Frequency (P/C/N) | Monitoring Type      |
|---------------|--|--------|-----------------------|---|---|------------------------------|----------------------|
| VOC           | SIP<br>8-5-307                         | Y      |                       | < 100 ppm (expressed as methane) above background                     | Not Specified                           | None                         | Method 21 Inspection |
| VOC           | BAAQMD<br>Condition #<br>15932 Part 9  | Y      |                       | Combined POC emissions from S-695, S-696, S-697 ≤ 198.9 lbs/12 months | BAAQMD<br>Condition #<br>15932, Part 13 | P/W                          | Records Calculations |
| VOC           | BAAQMD<br>Condition #<br>15932 Part 10 | Y      |                       | Vapor pressure ≤ 0.5 psia   | BAAQMD<br>Condition #<br>15932, Part 13 | P/W                          | Records              |

**Table VII – BS**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-696, T-585, Pressure Tank [<75 m3]**

| Type of Limit | Citation of Limit                      | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation         | Monitoring Frequency (P/C/N) | Monitoring Type      |
|---------------|--|--------|-----------------------|---|---|------------------------------|----------------------|
| VOC           | SIP<br>8-5-307                         | Y      |                       | < 100 ppm (expressed as methane) above background                         | Not Specified                           | None                         | Method 21 Inspection |
| VOC           | BAAQMD<br>Condition #<br>15932 Part 9  | Y      |                       | Combined POC emissions from S-695, S-696, and S-697 ≤ 198.9 lbs/12 months | BAAQMD<br>Condition #<br>15932, Part 13 | P/W                          | Records Calculations |
| VOC           | BAAQMD<br>Condition #<br>15932 Part 10 | Y      |                       | Vapor pressure ≤ 0.5 psia   | BAAQMD<br>Condition #<br>15932, Part 13 | P/W                          | Records              |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – BT**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-697, ISO Container Loading Operation**  
**Abated by Vapor Balance System**

| Type of Limit  | Citation of Limit              | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type         |
|----------------|--------------------------------|--------|-----------------------|---|---------------------------------|------------------------------|-------------------------|
| Exempt liquids | BAAQMD 8-6-110                 | Y      |                       | True vapor pressure < 0.5 psia  | BAAQMD 8-6-501.1                | P-E                          | Records                 |
| VOC            | BAAQMD Condition 15932, Part 9 | Y      |                       | Combined POC emissions from S-695, S-696, and S-697 ≤ 198.9 lbs/12 months | BAAQMD Condition 15932, Part 13 | P/W                          | Records<br>Calculations |

**Table VII – BU**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-699, Purge Tank/Drum Loading Operation**

| Type of Limit  | Citation of Limit        | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|----------------|--------------------------|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| Exempt liquids | BAAQMD 8-6-110           | Y      |                       | True vapor pressure < 0.5 psia   | BAAQMD 8-6-501.1                | P-E                          | Records         |
| VOC            | Condition 15932, Part 14 | Y      |                       | Distillation system purge stream throughput ≤ 30,000 gallons/12 months | Condition 15932, Part 15        | P-W                          | Records         |



## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – BV**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-701, T-12 at Manufacturing Services**  
**Operated as a Pressure Tank or Vented to S-336,**  
**Manufacturing Services Thermal Oxidizer**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation   | Monitoring Frequency (P/C/N) | Monitoring Type                |
|---------------|-------------------|--------|-----------------------|---|---|------------------------------|--------------------------------|
| VOC           | BAAQMD 8-5-307    | N      |                       | < 500 ppm for pressure relief devices (expressed as methane) above background   | BAAQMD 8-5-403  | P/SA                         | Method 21 Inspection           |
| VOC           | SIP 8-5-307       | Y      |                       | < 500 ppm for pressure relief devices (expressed as methane) above background   | BAAQMD 8-5-403  | P/SA                         | Method 21 Inspection           |
| VOC           | SIP 8-5-307       | Y      |                       | < 100 ppm (expressed as methane) above background   | Not Specified   | None                         | Method 21 Inspection           |
| VOC           | BAAQMD 8-6-304    | Y      |                       | Equipped with vapor balance or vapor loss control system, emissions ≤ 0.17 lbs/1000 gallons                           | When operated as a pressure tank:<br>N<br>When abated by S-336:<br>Condition 6859, Part 6 | N<br><br>C                   | N/A<br><br>Temperature monitor |
| VOC           | Condition 16612   | N      |                       | Total amount of organic materials stored at S-701 shall not exceed 100,000 gallons in any consecutive 12-month period | Condition 16612, Part 3   | P/M                          | Records                        |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – BW**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-706, FPI Standby Generator (Diesel)**

| Type of Limit                     | Citation of Limit  | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation         | Monitoring Frequency (P/C/N) | Monitoring Type           |
|-----------------------------------|--|--------|-----------------------|--|---|------------------------------|---------------------------|
| Opacity                           | BAAQMD 6-1-303   | N      |                       | Ringelmann No. 2   | None                                    | N                            | N/A                       |
| Opacity                           | SIP 6-303  | Y      |                       | Ringelmann No. 2   | None                                    | N                            | N/A                       |
| FP                                | BAAQMD 6-1-310   | N      |                       | 0.15 grain/dscf  | None                                    | N                            | N/A                       |
| FP                                | SIP 6-310  | Y      |                       | 0.15 grain/dscf  | None                                    | N                            | N/A                       |
| SO2                               | BAAQMD 9-1-301   | N      |                       | Ground level concentration $\leq$ 0.5 ppm for 3 minutes, 0.25 ppm for 60 minutes, or 0.05 over 24 hours                | None                                    | N                            | N/A                       |
| SO2                               | BAAQMD 9-1-304   | N      |                       | Fuel sulfur content $\leq$ 0.5% by weight, unless the SO2 concentration in the resulting emissions $\leq$ 300 ppm, dry | Condition 18317, Part 1                 | P-E                          | Vendor certification      |
| Reliability Related Hours         | BAAQMD 9-8-330,  | N      |                       | Operation for reliability-related activities $\leq$ 50 hours/calendar year   | BAAQMD 9-8-530,                         | C                            | Totalizing meter, records |
| Hours for maintenance and testing | Title 17, California Code of Regulations section 93115.6(b)(3) | N      |                       | Operation for reliability-related activities $\leq$ 50 hours/calendar year   | 93115.10(d)                             | P/E                          | Totalizing meter, records |
| Hours for Maintenance and Testing | Condition 22850, Part 1  | N      |                       | Operation for reliability-related activities $\leq$ 50 hours/calendar year   | BAAQMD 9-8-530, Condition 22850, Part 3 | C                            | Totalizing meter, records |

Note: S-706 is subject to Subpart ZZZZ (details in MACT Monitoring Table).

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – BX**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-707, Diesel Engine Backup Generator P1A,**  
**S-708, Diesel Engine Backup Generator P1B**  
**S-711, Diesel Engine Backup Generator 223**

| Type of Limit                     | Citation of Limit  | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation         | Monitoring Frequency (P/C/N) | Monitoring Type           |
|-----------------------------------|--|--------|-----------------------|--|---|------------------------------|---------------------------|
| Opacity                           | BAAQMD 6-1-303   | N      |                       | Ringelmann No. 2   | None                                    | N                            | N/A                       |
| Opacity                           | SIP 6-303  | Y      |                       | Ringelmann No. 2   | None                                    | N                            | N/A                       |
| FP                                | BAAQMD 6-1-310   | N      |                       | 0.15 grain/dscf  | None                                    | N                            | N/A                       |
| FP                                | SIP 6-310  | Y      |                       | 0.15 grain/dscf  | None                                    | N                            | N/A                       |
| SO2                               | BAAQMD 9-1-301   | N      |                       | Ground level concentration ≤ 0.5 ppm for 3 minutes, 0.25 ppm for 60 minutes, or 0.05 over 24 hours   | None                                    | N                            | N/A                       |
| SO2                               | BAAQMD 9-1-304   | N      |                       | Fuel sulfur content ≤ 0.5% by weight, unless the SO2 concentration in the resulting emissions ≤ 300 ppm, dry   | None                                    |                              | N/A                       |
| Reliability Related Hours         | BAAQMD 9-8-330, Condition                                      | N      |                       | Operation for reliability-related activities ≤ 50 hours/calendar year  | BAAQMD 9-8-530,                         | C                            | Totalizing meter, records |
| Hours for maintenance and testing | Title 17, California Code of Regulations section 93115.6(a)(4) | N      |                       | Not operate more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 – “Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems,” 2002 edition | 93115.10(d)                             | P/E                          | Totalizing meter records  |
| Hours for Maintenance and Testing | Condition 25675, Part 1  | N      |                       | Operation for reliability-related activities ≤ 50 hours/calendar year  | BAAQMD 9-8-530, Condition 25675, Part 3 | C                            | Totalizing meter, records |
| Hours for Maintenance and Testing | Condition 22850, Part 1 (S-711 Only)                           | N      |                       | Operation for reliability-related activities ≤ 50 hours/calendar year  | BAAQMD 9-8-530, Condition 22850, Part 3 | C                            | Totalizing meter, records |

Note: S-707, S-708, and S-711 is subject to Subpart ZZZZ (details MACT Monitoring Table).

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – BY**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-709, IC Engine Backup Generator (LPG) 471A**

| Type of Limit             | Citation of Limit       | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type           |
|---------------------------|-------------------------|--------|-----------------------|--|---------------------------------|------------------------------|---------------------------|
| Opacity                   | BAAQMD 6-1-303          | N      |                       | Ringelmann No. 2   | None                            | N                            | N/A                       |
| Opacity                   | SIP 6-303               | Y      |                       | Ringelmann No. 2   | None                            | N                            | N/A                       |
| FP                        | BAAQMD 6-1-310          | N      |                       | 0.15 grain/dscf  | None                            | N                            | N/A                       |
| FP                        | SIP 6-310               | Y      |                       | 0.15 grain/dscf  | None                            | N                            | N/A                       |
| SO2                       | BAAQMD 9-1-301          | N      |                       | Ground level concentration ≤ 0.5 ppm for 3 minutes, 0.25 ppm for 60 minutes, or 0.05 over 24 hours | None                            | N                            | N/A                       |
| Reliability Related Hours | BAAQMD 9-8-330,         | N      |                       | Operation for reliability-related activities ≤ 50 hours/calendar year                              | BAAQMD 9-8-530,                 | C                            | Totalizing meter, records |
| Reliability Related Hours | Condition 19724, Part 1 | N      |                       | Operation for reliability-related activities ≤ 50 hours/calendar year                              | Condition 19724, Part 4         |                              | Totalizing meter, records |

Note: S-709 is subject to Subpart ZZZZ (details MACT Monitoring Table).

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – BZ**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-718, Nitrpyrin Plant**

| Pollutant | Emission Limit Citation | FE Y/N | Future Effective Date | Emission Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N)                              | Monitoring Type                           |
|-----------|-------------------------|--------|-----------------------|--|---------------------------------|---|---|
| VOC       | Condition 24763, Part 2 | Y      |                       | Maximum Component Counts:<br>Valves: 1198<br>Connectors: 4572<br>Pumps: 31<br>Press Relief Dvcs: 8<br>Compressors: 8         | Condition 24763, Part 2         | P/E   | Records                                   |
| VOC       | Condition 24763, Part 3 | Y      |                       | Leak Standard for Valves:<br>≤ 100 ppmv (as C1)  | Condition 24763, Part 6         | P/Q   | Portable Hydrocarbon Analyzer (Method 21) |
| VOC       | Condition 24763, Part 4 | Y      |                       | Leak Standard for Connectors:<br>≤ 100 ppmv (as C1)  | Condition 24763, Part 6         | P/E (biannual)  | Portable Hydrocarbon Analyzer (Method 21) |
| VOC       | Condition 24763, Part 5 | Y      |                       | Leak Standard for Pumps:<br>≤ 500 ppmv (as C1)   | Condition 24763, Part 6         | P/Q   | Portable Hydrocarbon Analyzer (Method 21) |
| VOC       | Condition 24763, Part 7 | Y      |                       | ≤ 0.891 tons per consecutive 12-month period (as C1)<br>And<br>≤ 9.9 pounds per day (as C1)                                  | Condition 24763, Part 6         | P-Quarterly for Pumps and Valves, Biannual for Connectors | Portable Hydrocarbon Analyzer (Method 21) |
| VOC       | Condition 24763, Part 9 | Y      |                       | Rail Car Shipments:<br>≤ 271 per Consecutive 12-month period<br>And<br>Truck Trips:<br>< 223 per Consecutive 12-month period | Condition 24763, Part 9         | P/M   | Records                                   |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CB**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-1011 Auxiliary Boiler abated by A-1011 SCR**

| Pollutant | Emission Limit Citation       | FE Y/N | Future Effective Date | Emission Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N)                               | Monitoring Type |
|-----------|-------------------------------|--------|-----------------------|---|---------------------------------|--|-----------------|
| NOx       | NSPS 40 CFR 60.44b (a)(1)(ii) | Y      |                       | 0.2 lb/MM BTU (30-day rolling average) except during startup, shutdown, or malfunction                      | Condition #19356, part 14c      | C  | CEM             |
| NOx       | BAAQMD 9-7-307.6              | N      |                       | 9 ppmvd at 3% O <sub>2</sub>  | Condition #19356, part 14c      | C  | CEM             |
| NOx       | SIP 9-7-301.1                 | Y      |                       | 30 ppmvd at 3% O <sub>2</sub>   | Condition #19356, part 14c      | C  | CEM             |
| NOx       | Condition #19356, part 3      | Y      |                       | ≤ 9 ppmv @ 3% O <sub>2</sub> , dry, averaged over any rolling 3 hour period, excluding startup and shutdown | Condition #19356, part 14c      | C  | CEM             |
| NOx       | Condition #19356, part 3      | Y      |                       | ≤ 9 ppmv @ 3% O <sub>2</sub> , dry, averaged over any rolling 3 hour period, excluding startup and shutdown | Condition #19356, part 12       | Every 8,000 firing hours or 3 years, whichever comes first | Source Test     |
| NOx       | Condition #19356, part 13a    | Y      |                       | 6 tons per consecutive twelve month period  | Condition #19356, part 14c      | C  | CEM             |
| CO        | BAAQMD 9-7-307.6              | N      |                       | 400 ppmvd @3% O <sub>2</sub>  | Condition #19356, part 14c      | C  | CEM             |
| CO        | SIP 9-7-301.2                 | Y      |                       | 400 ppmvd @3% O <sub>2</sub>  | Condition #19356, part 14c      | C  | CEM             |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CB**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-1011 Auxiliary Boiler abated by A-1011 SCR**

| Pollutant                   | Emission Limit Citation    | FE Y/N | Future Effective Date | Emission Limit   | Monitoring Requirement Citation       | Monitoring Frequency (P/C/N)                               | Monitoring Type      |
|-----------------------------|----------------------------|--------|-----------------------|--|---------------------------------------|--|----------------------|
| CO                          | Condition #19356, part 4   | Y      |                       | < 50 ppmv @ 3% O <sub>2</sub> , dry, averaged over any rolling 3 hour period, excluding startup and shutdown | Condition #19356, part 14c            | C  | CEM                  |
|                             | Condition #19356, part 4   | Y      |                       | < 50 ppmv @ 3% O <sub>2</sub> , dry, averaged over any rolling 3 hour period, excluding startup and shutdown | Condition #19356, part 12             | Every 8,000 firing hours or 3 years, whichever comes first | Source Test          |
|                             | Condition #19356, part 13b | Y      |                       | 20.3 tons per consecutive twelve month period  | Condition #19356, part 14c            | C  | CEM                  |
| Precursor Organic Compounds | Condition #19356, part 13c | Y      |                       | 0.7 tons per consecutive twelve month period   | Condition #19356, parts 14f, 15d, 15f | P/M  | Calculation, Records |
| Sulfur Dioxide              | BAAQMD 9-1-301             | Y      |                       | GLC <sup>1</sup> of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours                        |                                       | N  | None                 |
|                             | BAAQMD 9-1-302             | Y      |                       | 300 ppm (dry)  |                                       | N  | None                 |
| Sulfur Dioxide              | Condition #19356, part 13e | Y      |                       | 0.4 tons per consecutive twelve month period   | Condition #19356, parts 15d, 15f      | P/M  | Record-keeping       |
| Opacity                     | BAAQMD 6-301               | Y      |                       | Ringelmann No. 1 for < 3 min/hr  |                                       | N  | None                 |
| FP                          | BAAQMD 6-310               | Y      |                       | 0.15 grain/dscf @ 6 % O <sub>2</sub>   |                                       | N  | None                 |
|                             | Condition #19356, part 8   | Y      |                       | Ringelmann No. 1 for < 3 min/hr  |                                       | N  | None                 |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CB**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-1011 Auxiliary Boiler abated by A-1011 SCR**

| <b>Pollutant</b> | <b>Emission Limit Citation</b> | <b>FE Y/N</b> | <b>Future Effective Date</b> | <b>Emission Limit</b>  | <b>Monitoring Requirement Citation</b> | <b>Monitoring Frequency (P/C/N)</b>                        | <b>Monitoring Type</b> |
|------------------|--------------------------------|---------------|------------------------------|--|--|--|------------------------|
| PM10             | Condition #19356, part 6       | Y             |                              | < 1.53 lb/hour   | Condition #19356, part 12              | P/A  | Source Test            |
|                  | Condition #19356, part 13d     | Y             |                              | 2.7 tons per consecutive twelve month period                                 | Condition #19356, part 15d             | P/M  | Record-keeping         |
| Ammonia          | Condition #19356, part 5       | Y             |                              | < 10 ppmv @ 3% O <sub>2</sub> , dry, averaged over any rolling 3 hour period | Condition #19356, part 12              | Every 8,000 firing hours or 3 years, whichever comes first | Source Test            |



## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CC**  
**Applicable Limits and Compliance Monitoring Requirements**  
**Components**

| Pollutant | Emission Limit Citation | FE Y/N | Future Effective Date | Emission Limit  | Monitoring Requirement Citation   | Monitoring Frequency (P/C/N)  | Monitoring Type  |
|-----------|-------------------------|--------|-----------------------|---|---|---|--|
| POC       | BAAQMD 8-18-301         | N      |                       | Except if subject to Sections 302, 303, 304, 305, 306: equipment leaks $\leq$ 100 ppm, unless the leak has been discovered, minimized $\leq$ 24 hours and repaired $\leq$ 7 days  | BAAQMD 8-18-401.1<br><br>8-18-401.5   | P – $\leq$ 90 days after startup, if opened during a turnaround.<br><br>P-w/i 24 hrs of repair, if leak $>$ Section 300 limits.   | Method 21 Inspection<br><br>Method 21 Inspection t   |
| POC       | SIP 8-18-301            | Y      |                       | Except if subject to Sections 302, 303, 304, 305, 306: equipment leaks $\leq$ 100 ppm, unless the leak has been discovered, minimized $\leq$ 24 hours and repaired $\leq$ 7 days  | BAAQMD 8-18-401.1<br><br>8-18-401.5   | P – $\leq$ 90 days after startup, if opened during a turnaround.<br><br>P-w/i 24 hrs of repair, if leak $>$ Section 300 limits.   | Method 21 Inspection<br><br>Method 21 Inspection t   |
| POC       | BAAQMD 8-18-302         | N      |                       | Valve leaks $\leq$ 100 ppm, unless the leak has been discovered, minimized $\leq$ 24 hours and repaired $\leq$ 7 days. If discovered by the APCO, repaired within 24 hours, or the valve meets the applicable provisions of 8-18-306. | BAAQMD 8-18-401.1<br><br>8-18-401.2<br>8-18-401.3<br>8-18-401.5<br><br>8-18-404 | P – $\leq$ 90 days after startup, if opened during a turnaround.<br><br>Accessible valves: P-Q<br>Inaccessible valves: P-A<br>If leak $>$ Section 300 limits: P $\leq$ 24 hrs of repair.<br><br>P-A, if requirements are met. | Method 21 Inspection<br><br>Method 21 Inspection<br>Method 21 Inspection<br>Method 21 Inspection<br><br>Method 21 Inspection |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CC**  
**Applicable Limits and Compliance Monitoring Requirements**  
**Components**

| Pollutant | Emission Limit Citation | FE Y/N | Future Effective Date | Emission Limit  | Monitoring Requirement Citation   | Monitoring Frequency (P/C/N)  | Monitoring Type  |
|-----------|-------------------------|--------|-----------------------|---|---|---|--|
| POC       | SIP 8-18-302            | Y      |                       | Valve leaks $\leq$ 100 ppm, unless the leak has been discovered, minimized $\leq$ 24 hours and repaired $\leq$ 7 days. If discovered by the APCO, repaired within 24 hours. | BAAQMD 8-18-401.1<br><br>8-18-401.2<br><br>8-18-401.3<br><br>8-18-401.5<br><br>8-18-404 | P – $\leq$ 90 days after startup, if opened during a turnaround. Accessible valves: P-Q Inaccessible valves: P-A If leak $>$ Section 300 limits: P $\leq$ 24 hrs of repair. P-A, if requirements are met. | Method 21 Inspection<br><br>Method 21 Inspection<br>Method 21 Inspection<br>Method 21 Inspection<br><br>Method 21 Inspection |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CC**  
**Applicable Limits and Compliance Monitoring Requirements**  
**Components**

| Pollutant | Emission Limit Citation | FE Y/N | Future Effective Date | Emission Limit   | Monitoring Requirement Citation                                       | Monitoring Frequency (P/C/N)  | Monitoring Type  |
|-----------|-------------------------|--------|-----------------------|--|---|---|--|
| POC       | BAAQMD 8-18-303         | N      |                       | Pump and Compressor leaks $\leq$ 500 ppm, unless the leak has been discovered, minimized $\leq$ 24 hours and repaired $\leq$ 7 days. If discovered by the APCO, repaired within 24 hours, or the pump or compressor meets the applicable provisions of 8-18-306. | BAAQMD 8-18-401.1<br><br>8-18-401.2<br><br>8-18-401.5<br><br>8-18-403 | P – w/i 90 days of startup, if opened during a turnaround.<br><br>Accessible Pumps and Compressors P-Q<br><br>P-w/i 24 hours of repair, if leak > Section 300 limits.<br><br>Pumps and Compressors: P-D, except when facility not staffed | Method 21 Inspection<br><br>Method 21 Inspection<br><br>Method 21 Inspection<br><br>Visual inspection Method 21 Inspection (upon discovery of liquid leak) |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CC**  
**Applicable Limits and Compliance Monitoring Requirements**  
**Components**

| Pollutant | Emission Limit Citation | FE Y/N | Future Effective Date | Emission Limit   | Monitoring Requirement Citation                     | Monitoring Frequency (P/C/N)  | Monitoring Type  |
|-----------|-------------------------|--------|-----------------------|--|---|---|--|
| POC       | SIP 8-18-303            | Y      |                       | Pump and Compressor leaks $\leq$ 500 ppm, unless the leak has been discovered, minimized w/i 24 hours and repaired w/i 7 days. If discovered by the APCO, repaired within 24 hours.  | BAAQMD 8-18-401.1<br><br>8-18-401.5<br><br>8-18-403 | P – w/i 90 days of startup, if opened during a turnaround.<br><br>P-w/i 24 hours of repair, if leak > Section 300 limits.<br><br>Pumps and Compressors: P-D, except when facility not staffed | Method 21 Inspection<br><br>Method 21 Inspection<br><br>Visual inspection Method 21 Inspection (upon leak discovery) |
| POC       | BAAQMD 8-18-304         | N      |                       | Connection leaks $\leq$ 100 ppm, unless the leak has been discovered, minimized $\leq$ 24 hours and repaired $\leq$ 7 days. Or if inspected per 401.6 and discovered by the APCO, repaired within 24 hours. Or the connection meets the applicable provisions of 8-18-306. | BAAQMD 8-18-401.1<br><br>8-18-401.5                 | P – w/i 90 days after startup, if opened during a turnaround.<br><br>P-w/i 24 hrs of repair, if leak >Section 300 limits.   | Method 21 Inspection<br><br>Method 21 Inspection   |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CC**  
**Applicable Limits and Compliance Monitoring Requirements**  
**Components**

| Pollutant | Emission Limit Citation | FE Y/N | Future Effective Date | Emission Limit  | Monitoring Requirement Citation     | Monitoring Frequency (P/C/N)  | Monitoring Type                                  |
|-----------|-------------------------|--------|-----------------------|---|-------------------------------------|---|--|
| POC       | SIP 8-18-304            | Y      |                       | Connection leaks $\leq$ 100 ppm, unless the leak has been discovered, minimized $\leq$ 24 hours and repaired $\leq$ 7 days. Or if inspected per 401.6 and discovered by the APCO, repaired within 24 hours. | BAAQMD 8-18-401.1<br><br>8-18-401.5 | P – w/i 90 days after startup, if opened during a turnaround.<br><br>P-w/i 24 hrs of repair, if leak >Section 300 limits. | Method 21 Inspection<br><br>Method 21 Inspection |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CC**  
**Applicable Limits and Compliance Monitoring Requirements**  
**Components**

| Pollutant | Emission Limit Citation | FE Y/N | Future Effective Date | Emission Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N)  | Monitoring Type         |
|-----------|-------------------------|--------|-----------------------|--|---------------------------------|---|-------------------------|
| POC       | BAAQMD<br>8-18-305      | N      |                       | Pressure Relief Devices leak $\leq$ 500 ppm, unless the leak has been discovered, minimized $\leq$ 24 hours and repaired $\leq$ 15 days. | BAAQMD<br>8-18-401.1            | P – w/i 90 days after startup, if opened during a turnaround.                 | Method 21<br>Inspection |
|           |                         |        |                       |  | 8-18-401.2                      | Accessible Pressure Relief  | Method 21<br>Inspection |
|           |                         |        |                       |  | 8-18-401.3                      | Devices P-Q Inaccessible Pressure Relief                                      | Method 21<br>Inspection |
|           |                         |        |                       |  | 8-18-401.5                      | Devices P-A P-w/i 24 hrs of repair, if leak >Section 300 limits.              | Method 21<br>Inspection |
|           |                         |        |                       |  | 8-18-401.7                      | Pressure Relief Device w/inaccessible horn shall have weephole inspected P-Q  | Method 21<br>Inspection |
|           |                         |        |                       |  | 8-18-401.8                      | Pressure Relief Device that releases to atmosphere P-within 5 days of release | Method 21<br>Inspection |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CC**  
**Applicable Limits and Compliance Monitoring Requirements**  
**Components**

| Pollutant | Emission Limit Citation | FE Y/N | Future Effective Date | Emission Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N)  | Monitoring Type      |
|-----------|-------------------------|--------|-----------------------|--|---------------------------------|---|----------------------|
| POC       | SIP 8-18-305            | Y      |                       | Pressure Relief Devices leak $\leq$ 500 ppm, unless the leak has been discovered, minimized $\leq$ 24 hours and repaired $\leq$ 15 days. | BAAQMD 8-18-401.1               | P – w/i 90 days after startup, if opened during a turnaround.                 | Method 21 Inspection |
|           |                         |        |                       |  | 8-18-401.2                      | Accessible Pressure Relief Devices P-Q  | Method 21 Inspection |
|           |                         |        |                       |  | 8-18-401.3                      | Inaccessible Pressure Relief Devices P-A                                      | Method 21 Inspection |
|           |                         |        |                       |  | 8-18-401.5                      | P-w/i 24 hrs of repair, if leak >Section 300 limits.                          | Method 21 Inspection |
|           |                         |        |                       |  | 8-18-401.7                      | Pressure Relief Device w/inaccessible horn shall have weephole inspected P-Q  | Method 21 Inspection |
|           |                         |        |                       |  | 8-18-401.8                      | Pressure Relief Device that releases to atmosphere P-within 5 days of release | Method 21 Inspection |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CC**  
**Applicable Limits and Compliance Monitoring Requirements**  
**Components**

| Pollutant | Emission Limit Citation | FE Y/N | Future Effective Date | Emission Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|-----------|-------------------------|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| POC       | BAAQMD 8-18-306.1       | N      |                       | If cannot be repaired: Repair or replace within 5 yrs or at next scheduled turnaround, whichever is first  | BAAQMD 8-18-502.4               | P-E                          | Records         |
| POC       | SIP 8-18-306.1          | Y      |                       | If cannot be repaired: Repair or replace within 5 yrs or at next scheduled turnaround, whichever is first  | BAAQMD 8-18-502.4               | P-E                          | Records         |
| POC       | BAAQMD 8-18-306.2       | N      |                       | Non-repairable Equipment Allowed:<br>Valves $\leq$ 0.3%,<br>Valves w/Major Leaks per 8-18-306.4 $\leq$ 0.025%<br>Pressure Relief Devices $\leq$ 1%,<br>Pumps and Compressors $\leq$ 1% | BAAQMD 8-18-502.4               | P-E                          | Records         |
| POC       | SIP 8-18-306.2          | Y      |                       | Awaiting repair:<br>Valves $\leq$ 0.5%,<br>Pressure Relief Devices $\leq$ 1%,<br>Pumps and Compressors $\leq$ 1%,<br>unless comply with 306.3  | BAAQMD 8-18-502.4               | P-E                          | Records         |



## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CC**  
**Applicable Limits and Compliance Monitoring Requirements**  
**Components**

| Pollutant | Emission Limit Citation | FE Y/N | Future Effective Date | Emission Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|-----------|-------------------------|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| POC       | BAAQMD 8-18-306.3       | N      |                       | A connection > 100 ppm and < 10,000 can be considered non-repairable equipment provided each non-repairable connection is considered as two valves toward the total number of non-repairable equipment allowed.                                      | BAAQMD 8-18-502.4               | P-E                          | Records         |
| POC       | SIP 8-18-306.3          | Y      |                       | If cannot be repaired:<br>Measure mass emissions w/i 7 days;<br>Valves awaiting repair ≤0.1 lb/day and 1%,<br>PRDs ≤ 0.2 lb/day and 5% ,<br>Pumps and Compressors ≤ 0.2 lb/day and 5%.<br>If mass emissions > 15 lbs/day TOC, must repair w/i 7 days | BAAQMD 8-18-502.4               | P-E                          | Records         |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CC**  
**Applicable Limits and Compliance Monitoring Requirements**  
**Components**

| Pollutant | Emission Limit Citation | FE Y/N | Future Effective Date | Emission Limit   | Monitoring Requirement Citation  | Monitoring Frequency (P/C/N)          | Monitoring Type      |
|-----------|-------------------------|--------|-----------------------|--|----------------------------------|---------------------------------------|----------------------|
| POC       | BAAQMD 8-18-306.4       | N      |                       | A valve with a major leak may not be considered non-repairable equipment pursuant to 8-18-306 for more than 45 days after leak discovery, unless mass emission rate has been measured in accordance with 8-18-604 and emissions < 15 lb/day. | 8-18-306.4                       | P-E                                   | See 8-18-604         |
| POC       | BAAQMD 8-18-307         | N      |                       | Liquid leaks must be discovered, minimized w/i 24 hours and repaired w/i 7 days.   | BAAQMD 8-18-403                  | P-D, except when facility not staffed | Method 21 Inspection |
| POC       | SIP 8-18-307            | Y      |                       | Liquid leaks must be discovered, minimized w/i 24 hours and repaired w/i 7 days.   | BAAQMD 8-18-403                  | P-D, except when facility not staffed | Method 21 Inspection |
| POC       | SIP 8-25-302            | Y      |                       | Pumps: 500 ppm as methane measured ≤ 1 cm from PRV, unless minimized within 24 hours and repaired within 7 days of discovery by operator or repaired within 24 hours if discovered by the APCO   | SIP 8-25-401.2<br>SIP 8-25-401.1 | P-Q<br>P-within 7 days of repair      | Method 21 Inspection |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CC**  
**Applicable Limits and Compliance Monitoring Requirements**  
**Components**

| Pollutant | Emission Limit Citation        | FE Y/N | Future Effective Date | Emission Limit  | Monitoring Requirement Citation                             | Monitoring Frequency (P/C/N)         | Monitoring Type                        |
|-----------|--------------------------------|--------|-----------------------|---|---|--------------------------------------|--|
| POC       | SIP<br>8-25-303                | Y      |                       | Compressors: 500 ppm as methane measured $\leq$ 1 cm from PRV, unless minimized within 24 hours and repaired within 7 days of discovery by operator or repaired within 24 hours if discovered by the APCO | SIP<br>8-25-401.2<br>SIP<br>8-25-401.1                      | P-Q<br><br>P-within 7 days of repair | Method 21<br>Inspection                |
| POC       | SIP<br>8-25-304.1,<br>8-25-306 | Y      |                       | Non-repairable pumps and compressors and those found by the APCO to be leaking 2 times in a year: Repair or replace within 5 years or next scheduled turnaround, whichever is first                       | SIP<br>8-25-401.2<br>SIP<br>8-25-401.1<br>SIP<br>8-25-503.4 | P-Q<br><br>P-within 7 days of repair | Method 21<br>Inspection<br>and Records |
| POC       | SIP<br>8-25-304.2,<br>8-25-306 | Y      |                       | Number of pumps and compressors awaiting repair $\leq$ 1%   | SIP<br>8-25-401.2<br>SIP<br>8-25-401.1<br>SIP<br>8-25-503.4 | P-Q<br><br>P-within 7 days of repair | Method 21<br>Inspection<br>and Records |
| POC       | SIP<br>8-25-305,<br>8-25-306   | Y      |                       | Pump or compressor repaired or replaced under §304.1 shall not leak > 500 ppm for 4 consecutive quarters  | SIP<br>8-25-401.1   | P-within 7 days of repair            | Method 21<br>Inspection                |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CC**  
**Applicable Limits and Compliance Monitoring Requirements**  
**Components**

| Pollutant | Emission Limit Citation | FE Y/N | Future Effective Date | Emission Limit  | Monitoring Requirement Citation      | Monitoring Frequency (P/C/N)                  | Monitoring Type  |
|-----------|-------------------------|--------|-----------------------|---|--------------------------------------|---|--|
| POC       | SIP<br>8-25-307         | Y      |                       | Liquid leaks must be minimized within 24 hours of discovery by operator and repaired within 7 days  | SIP<br>8-25-403<br>SIP<br>8-25-401.1 | P-D<br><br>P-within 7 days of repair          | Visual<br>Inspection<br>Method 21<br>Inspection                |
| POC       | BAAQMD<br>8-28-402.1    | N      |                       | Overpressure Events: Pressure Relief Device equipped with telltale indicator shall be inspected at least once per day unless the device has been equipped with a monitoring system pursuant to 8-28-503 and the facility has submitted a demonstration report pursuant to 8-28-406. | BAAQMD<br>8-28-402.1                 | P-D or monitoring system pursuant to 8-28-503 | Visual<br>Inspection or monitoring system pursuant to 8-28-503 |
| POC       | BAAQMD<br>8-28-402.2    | N      |                       | PRV: Inspection within 5 working days of release event  | BAAQMD<br>8-28-401                   | P-E   | Method 21<br>Inspection<br>and Report                          |
| POC       | SIP 8-28-402            | Y      |                       | PRV: Inspection within 5 working days of release event  | BAAQMD<br>8-28-401                   | P-E   | Method 21<br>Inspection<br>and Report                          |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CD**  
**Applicable Limits and Compliance Monitoring Requirements**  
**MACT - Equipment Leaks, Fugitive Components (Subpart H Monitoring)**  
**S-5, 720 Terminalized Products (Applicable when Subpart EEEE requires fugitive monitoring at S-5)**  
**S-29 T-608B Terminalized Products Storage Tank**  
**S-44 N-Serve Plant (includes T-70 and T-74 all components containing greater than 5% carbon tetrachloride)**  
**S-55 T-30 N-Serve N2-Padded Heat Transfer Fluid Pressure Tank**  
**S-151 T-614 Terminalized Products**  
**S-372, T-20 Perchloroethylene Tank Fugitive Components**  
**S-434 Manufacturing Services (Carbon Tetrachloride Distillation System and all components containing greater than 5% carbon tetrachloride)**  
**S-446, Sym-Tet Plant**  
**S-458 T-80 Perchloroethylene Expansion Pressure Tank**  
**S-482 Carbon Tetrachloride Loading Rack**  
**S-483 Carbon Tetrachloride Loading Rack**

| Type of Limit | Citation of Limit               | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type      |
|---------------|---------------------------------|--------|-----------------------|---|---------------------------------|------------------------------|----------------------|
| Organic HAP   | 40 CFR Part 63, §163(b)(2)(i)   | Y      |                       | Pumps in light liquid service, Phase I: 10,000 ppm  | §63.163(b)(1)                   | P-M                          | Method 21 inspection |
| Organic HAP   | 40 CFR Part 63, §163(b)(2)(ii)  | Y      |                       | Pumps in light liquid service, Phase II: 5,000 ppm  | §63.163(b)(1)                   | P-M                          | Method 21 inspection |
| Organic HAP   | 40 CFR Part 63, §163(b)(2)(iii) | Y      |                       | Other pumps, Phase III: 1,000 ppm   | §63.163(b)(1)                   | P-M                          | Method 21 inspection |
| Organic HAP   | 40 CFR Part 63, §163(b)(3)      | Y      |                       | Pumps in light liquid service: Liquid leak  | §63.163(b)(3)                   | P-W                          | Visual inspection    |
| Organic HAP   | 40 CFR Part 63, §163(d)(2)      | Y      |                       | Pumps in light liquid service, Phase III: If > 10% of pumps or > 3 pumps in a process unit leak, a quality improvement plan must be implemented | §63.181(b)(1)                   | P-M                          | Calculations         |
| Organic HAP   | 40 CFR Part 63, §165(a)         | Y      |                       | Pressure relief devices in gas/vapor service: 500 ppm above background  | §63.165(b)(2)                   | P-E                          | Method 21 inspection |
| Organic       | 40 CFR Part 63,                 | Y      |                       | Valves in gas/vapor and   | §63.168(c)                      | P-Q                          | Method 21            |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CD**  
**Applicable Limits and Compliance Monitoring Requirements**  
**MACT - Equipment Leaks, Fugitive Components (Subpart H Monitoring)**  
**S-5, 720 Terminalized Products (Applicable when Subpart EEEE requires fugitive monitoring at S-5)**  
**S-29 T-608B Terminalized Products Storage Tank**  
**S-44 N-Serve Plant (includes T-70 and T-74 all components containing greater than 5% carbon tetrachloride)**  
**S-55 T-30 N-Serve N2-Padded Heat Transfer Fluid Pressure Tank**  
**S-151 T-614 Terminalized Products**  
**S-372, T-20 Perchloroethylene Tank Fugitive Components**  
**S-434 Manufacturing Services (Carbon Tetrachloride Distillation System and all components containing greater than 5% carbon tetrachloride)**  
**S-446, Sym-Tet Plant**  
**S-458 T-80 Perchloroethylene Expansion Pressure Tank**  
**S-482 Carbon Tetrachloride Loading Rack**  
**S-483 Carbon Tetrachloride Loading Rack**

| Type of Limit | Citation of Limit                | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation                                      | Monitoring Frequency (P/C/N)  | Monitoring Type  |
|---------------|----------------------------------|--------|-----------------------|---|--|---|--|
| HAP           | § 168(b)(2)(i)                   |        |                       | light liquid service, Phase I: 10,000 ppm                       |  |   | inspection   |
| Organic HAP   | 40 CFR Part 63, § 168(b)(2)(ii)  | Y      |                       | Valves in gas/vapor and light liquid service, Phase II: 500 ppm | § 63.168(c)  | P-Q   | Method 21 inspection   |
| Organic HAP   | 40 CFR Part 63, § 168(b)(2)(iii) | Y      |                       | Valves in gas/vapor and light liquid service, III: 500 ppm      | § 63.165(d)(1)<br>§ 63.165(d)(2)<br>§ 63.165(d)(3)<br>§ 63.165(d)(4) | For ≥ 2% leakers: P-M or P-Q with a Quality Improvement Plan<br>For < 2% leakers: P-Q<br>For < 1% leakers: P-once per 2 quarters<br>For < 0.5% leakers: P-once per 4 quarters | Method 21 inspection<br>Method 21 inspection<br>Method 21 inspection<br>Method 21 inspection |
| Organic HAP   | 40 CFR Part 63, § 169(b)         | Y      |                       | Agitators in heavy liquid service: 10,000 ppm                   |  |   | Method 21 inspection   |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CD**  
**Applicable Limits and Compliance Monitoring Requirements**  
**MACT - Equipment Leaks, Fugitive Components (Subpart H Monitoring)**  
**S-5, 720 Terminalized Products (Applicable when Subpart EEEE requires fugitive monitoring at S-5)**  
**S-29 T-608B Terminalized Products Storage Tank**  
**S-44 N-Serve Plant (includes T-70 and T-74 all components containing greater than 5% carbon tetrachloride)**  
**S-55 T-30 N-Serve N2-Padded Heat Transfer Fluid Pressure Tank**  
**S-151 T-614 Terminalized Products**  
**S-372, T-20 Perchloroethylene Tank Fugitive Components**  
**S-434 Manufacturing Services (Carbon Tetrachloride Distillation System and all components containing greater than 5% carbon tetrachloride)**  
**S-446, Sym-Tet Plant**  
**S-458 T-80 Perchloroethylene Expansion Pressure Tank**  
**S-482 Carbon Tetrachloride Loading Rack**  
**S-483 Carbon Tetrachloride Loading Rack**

| Type of Limit | Citation of Limit          | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation                             | Monitoring Frequency (P/C/N)   | Monitoring Type  |
|---------------|----------------------------|--------|-----------------------|--|---|--|--|
| Organic HAP   | 40 CFR Part 63, §169(b)    | Y      |                       | Valves, connectors, in heavy liquid service; instrumentation systems; pressure relief devices in liquid service: 500 ppm |   |  | Method 21 inspection   |
| Organic HAP   | 40 CFR Part 63, §173(a)(2) | Y      |                       | Agitator in gas/vapor and light liquid service: 10,000 ppm   | §63.173(a)(1)   | P-M  | Method 21 inspection   |
| Organic HAP   | 40 CFR Part 63, §173(b)(2) | Y      |                       | Agitator in gas/vapor and light liquid service: liquid leak  | §63.173(b)(1)   | P-W  | Visual inspection  |
| Organic HAP   | 40 CFR Part 63, §174(a)(2) | Y      |                       | Connectors in gas/vapor and light liquid service: 500 ppm  | §63.174(b)(3)(i)<br>§63.174(b)(3)(ii)<br>§63.174(b)(3)(iii) | For leakers ≥ 0.5%: P-A<br>For leakers < 0.5%: P-once every 2 years<br>For leakers < 0.5%: for 2 years: P-once every 4 years | Method 21 inspection<br>Method 21 inspection<br>Method 21 inspection |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CF**  
**Applicable Limits and Compliance Monitoring Requirements**  
**40 CFR Part 60 Subpart Kb Sources**  
**NSPS for Volatile Organic Liquid Storage Vessels**  
**S-27, T-605A Terminalized Products abated by S-336 or S-389**  
**S-30, Material Flow Tank T-608B abated by S-336 or S-389**

| <b>Pollutant</b> | <b>Emission Limit Citation</b>     | <b>FE Y/N</b> | <b>Future Effective Date</b> | <b>Emission Limit</b>  | <b>Monitoring Requirement Citation</b>  | <b>Monitoring Frequency (P/C/N)</b> | <b>Monitoring Type</b> |
|------------------|------------------------------------|---------------|------------------------------|--|---|-------------------------------------|------------------------|
| VOC              | NSPS Subpart Kb 60.112b (a)(3)(i)  | Y             |                              | When operated with emission control system - Closed vent system leak tightness standards, VOC concentrations shall not exceed 500 ppmv above background. | NSPS Subpart Kb 60.116b   | P/A                                 | Method 21 Inspection   |
| VOC              | NSPS Subpart Kb 60.112b (a)(3)(ii) | Y             |                              | When not operated as a pressure tank - Control device standards; includes 95% efficiency requirement   | NSPS Subpart Kb 60.116b<br>BAAQMD 8-18-401<br>BAAQMD Conditions 2039, part 13, and 6859, part 6 | C                                   | Temperature monitoring |



## VII. Applicable Emission Limits & Compliance Monitoring Requirements

Dow operates the following sources that are subject to Subpart NNNNN:

- S-4, HCl Rail Tank Car Loading abated by A-199 Manufacturing Services Scrubber B-12 or S-336 Manufacturing Services Thermal Oxidizer
- S-135, HCl Storage Tank T606A abated by A-18 Hydrochloric Acid Storage Tanks Scrubber
- S-136, HCl Storage Tank T606B abated by A-18 Hydrochloric Acid Storage Tanks Scrubber
- S-137, HCl Storage Tank T606C abated by A-18 Hydrochloric Acid Storage Tanks Scrubber
- S-138, HCl Storage Tank T606D abated by A-18 Hydrochloric Acid Storage Tanks Scrubber
- S-139, HCl Storage Tank T606E abated by A-18 Hydrochloric Acid Storage Tanks Scrubber
- S-434, Manufacturing Services Facility abated by A-199 Manufacturing Services Scrubber B-12 or S-336 Manufacturing Services Thermal Oxidizer
- S-576, HCl Storage Tank, T-122 abated by A-199 Manufacturing Service Scrubber B-12
- S-620, HCl Tank Loading Operation abated by A-165 HCl Truck Loading Scrubber
- S-646, 36% HCl Tank Truck Loading abated by A-179 X-39/B-39 Scrubber System or S-336 Manufacturing Services Thermal Oxidizer
- S-647, Catalytic Hydrogen Chloride Plant abated by S-336 Manufacturing Services Thermal Oxidizer
- S-648, Hydrogen Chloride Absorber, E-277 abated by S-336 Manufacturing Services Thermal Oxidizer and abatement train (A-410 B-16 Caustic Scrubber)
- S-649, 36% Hydrogen Chloride Acid Storage Tank, V-277 abated by S-336 Manufacturing Services Thermal Oxidizer
- S-650, 36% Hydrogen Chloride Acid Storage Tank, V-280A abated by S-336 Manufacturing Services Thermal Oxidizer
- S-651, 36% Hydrogen Chloride Acid Storage Tank, V-280B abated by S-336 Manufacturing Services Thermal Oxidizer and abatement train (A-410 B-16 Caustic Scrubber)
- S-652, 36% Hydrogen Chloride Acid Storage Tank, V-280C abated by S-336 Manufacturing Services Thermal Oxidizer and abatement train (A-410 B-16 Caustic Scrubber)

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CG  
 Applicable Limits and Compliance Monitoring Requirements  
 Subpart NNNNN  
 NESHAP for Hydrogen Chloride Manufacturing**

| Type of Limit | Citation of Limit           | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type   |
|---------------|-----------------------------|--------|-----------------------|---|---------------------------------|------------------------------|---|
| HCl           | Subpart NNNNN<br>63.9000(a) | Y      |                       | Emission stream from an HCl storage tank at an existing source - reduce HCl emissions by $\geq 99\%$ ; or achieve an outlet concentration of $\leq 120$ ppmv.<br>Emission stream from an HCl transfer operation at an existing source - Reduce HCl emissions by $\geq 99\%$ OR Achieve an outlet concentration of $\leq 120$ ppmv | 63.9020(c)                      | E-Initial                    | Design Evaluation for tanks and transfer operations subject to Subpart NNNNN except for sources abated by A-199 since it also abates process vents. |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CG  
 Applicable Limits and Compliance Monitoring Requirements  
 Subpart NNNNN  
 NESHAP for Hydrogen Chloride Manufacturing**

| Type of Limit | Citation of Limit           | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type   |
|---------------|-----------------------------|--------|-----------------------|---|---------------------------------|------------------------------|---|
| HCl           | Subpart NNNNN<br>63.9000(a) | Y      |                       | Emission stream from an HCl process vent at an existing source - reduce HCl emissions by $\geq 99\%$ ; or achieve an outlet concentration of $\leq 20$ ppmv, and reduce Cl <sub>2</sub> emissions by $\geq 99\%$ ; or achieve an outlet concentration of $\leq 100$ ppmv. | 63.9015(a),<br>63.9020(a)       | P-every 5 years              | Performance Test at A-199<br>Manufacturing Services Scrubber B-12 at S-434<br>(Note: Performance Test not required for S-336 abatement train since subject to Subpart EEE, RCRA and BIF permits, See 63.9000(c)(4)) |
| HCl           | Subpart NNNNN<br>63.9000(a) | Y      |                       | Emission stream from an HCl process vent at an existing source - reduce HCl emissions by $\geq 99\%$ ; or achieve an outlet concentration of $\leq 20$ ppmv, and reduce Cl <sub>2</sub> emissions by $\geq 99\%$ ; or achieve an outlet concentration of $\leq 100$ ppmv. | 63.9035(b)(1)<br>and (2)        | C                            | Flowmeter<br>pH monitor   |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CG  
 Applicable Limits and Compliance Monitoring Requirements  
 Subpart NNNNN  
 NESHAP for Hydrogen Chloride Manufacturing**

| Type of Limit | Citation of Limit           | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type         |
|---------------|-----------------------------|--------|-----------------------|--|---------------------------------|------------------------------|-------------------------|
| HCl           | Subpart NNNNN<br>63.9000(a) | Y      |                       | Emission stream from an HCl storage tank at an existing source - reduce HCl emissions by $\geq 99\%$ ; or achieve an outlet concentration of $\leq 120$ ppmv.    | 63.9035(b)(1) and (2)           | C                            | Flowmeter<br>pH monitor |
| HCl           | Subpart NNNNN<br>63.9000(a) | Y      |                       | Emission stream from an HCl transfer operation at an existing source - Reduce HCl emissions by $\geq 99\%$ OR Achieve an outlet concentration of $\leq 120$ ppmv | 63.9035(b)(1) and (2)           | C                            | Flowmeter<br>pH monitor |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CH**  
**Applicable Limits and Compliance Monitoring Requirements**  
**40 CFR Part 63 Subpart MMM**  
**NESHAP for Pesticide Active Ingredient Production**  
**S-461, Plant 663 R-401 Reactor, Abated by A-96, B-405 Acid Absorber & Tails Tower –**  
**vapor recovery**  
**S-462, Plant 663 R-402 Reactor, Abated by A-96, B-405 Acid Absorber & Tails Tower**  
**S-463, Plant 663 F-403 Separator**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation   | Monitoring Frequency (P/C/N) | Monitoring Type   |
|---------------|-------------------|--------|-----------------------|--|---|------------------------------|---|
| POC           | 63.1362(b)(3)(ii) | Y      |                       | HCl from process vents reduced by 94 percent or greater or to outlet concentrations less than or equal to 20 ppmv. | 63.1365(a)(6)<br>63.1366(b)(ii)<br>63.1366(b)(xiii)<br>63.1366(h)(2)(i) | Initial<br>C<br>M<br><br>A   | Source Test<br>Flowmeter<br>Inspection of Bypass Seal or Closure Mechanism<br>Audio Visual<br>Olfactory (AVO) |

1 Control Device Process monitoring: HCl water absorber liquid recycle flow on a continuous basis, annual flowmeter calibration, annual inspection of HCl closed vent system to A-96.

Dow operates the following sources that are subject to Subpart EEEE:

- S-5, 720 Terminalized Products
- S-28, T-605B Material Flow
- S-30, T-608B Terminalized Products, 333,000 gallons
- S-36, N-Serve Plant Storage
- S-44, N-Serve Plant, Note this applies to T-70 and T-74 at N-Serve Plant (No Source Numbers)
- S-45, T-1 N-Serve
- S-56, T-31 N-Serve
- S-57, T-32 N-Serve
- S-61, T-780 N-Serve
- S-62, T-781 N-Serve
- S-63, T-782 N-Serve
- S-151, T-614 Terminalized Products, 700,000 gallons
- S-346, T-241
- S-372, T-20 Block 560 Storage Tank
- S-382, N-Serve Unit Storage T-783
- S-383, Petroleum Hydrocarbon Distillate Tank
- S-407, T-728 N-Serve Formulation Tank
- S-447, T-774

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

S-466, Plant 663 T-408A Intermediate Product Storage  
 S-467, Plant 663 T-408B Intermediate Product Storage  
 S-498, Sym Tet T-102 Storage Tank  
 S-625, T-610 Perc Expansion Tank  
 S-662, Storage Tank, T-243, Pressure Tank, 15,000 gallons  
 S-663, Storage Tank, T-242, Pressure Tank, 15,000 gallons  
 S-664, Storage Tank, T-244, Pressure Tank, 15,000 gallons  
 S-680, Pressure Tank, T-440

Dow operates five storage tanks that require controls under Subpart EEEE:

S-30, T-608B Terminalized Products, 333,000 gallons  
 S-151, T-614 Terminalized Products, 700,000 gallons  
 S-662, Storage Tank, T-243, Pressure Tank, 15,000 gallons  
 S-663, Storage Tank, T-242, Pressure Tank, 15,000 gallons  
 S-664, Storage Tank, T-244, Pressure Tank, 15,000 gallons

**Table VII – CI**  
**Applicable Limits and Compliance Monitoring Requirements**  
**Subpart EEEE**  
**NESHAP for Organic Liquid Distribution**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation   | Monitoring Frequency (P/C/N)                    | Monitoring Type   |
|---------------|-------------------|--------|-----------------------|--|---|---|---|
| VOC           | 63.2346(a)        | Y      |                       | Storage Tanks, Table 2 emission limits for tanks requiring control   | Subpart EEEE<br>63.2366<br>63.2374  | C   | Temperature Monitor at S-336 or S-389 (Performance Testing Not Required per 63.2396(e), 63.988(b)(2))         |
| VOC           | 63.2346(b)        | Y      |                       | Transfer Racks,<br>(1) Table 2 emission limits<br>(2) Route emissions to fuel gas systems or back to a process<br>(3) Vapor balance system | Subpart EEEE<br>63.2366<br>63.2374<br>Condition 11276 part 1 for Limits (1) and (2)<br>Condition 11276 part 6 for Limit (3) | C for Limits (1) and (2)<br><br>E for Limit (3) | Temperature Monitor at S-336 or S-389 (Performance Testing Not Required per 63.2396(e), 63.988(b)(2)) Records |
| VOC           | 63.2346(c)        | Y      |                       | Equipment Leaks for  | Subpart EEEE  | P/Varies in                                     | Method 21   |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CI  
 Applicable Limits and Compliance Monitoring Requirements  
 Subpart EEEE  
 NESHAP for Organic Liquid Distribution**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation  | Monitoring Frequency (P/C/N)   | Monitoring Type   |
|---------------|-------------------|--------|-----------------------|--|--|--|---|
|               |                   |        |                       | each pump, valve, and sampling connection in organic liquids service at least 300 hours/year, Leak Detection and Repair Program  | Table 4 Work Practice Standards Comply with the requirements for pumps, valves, and sampling connections in 40 CFR part 63, Subpart H. | Subpart H, Quarterly for Valves, E-Liquid Leak for Pumps with Dual Mechanical Seals and Barrier Fluid, M-for other Pumps | Inspection  |
| VOC           | 63.2346(e)        | Y      |                       | Operating Limits, High Throughput Racks must meet limits in Table 3. For each storage tank and low throughput transfer rack comply with requirements for monitored parameters as specified in Subpart SS or alternatively comply with Table 3. | Subpart EEEE<br>63.2366<br>63.2374   | C  | Temperature Monitor at S-336 or S-389 (Performance Testing Not Required per 63.2396(e), 63.988(b)(2)) |

Notes: 63.2374 requires monitoring and data collection in accordance with 40 CFR Part 63 Subpart SS. 63.983(b)(1)(i) requires closed vent systems to be inspected annually. Subpart H fugitive monitoring requires a weekly visual inspection for pumps per 63.163(b)(3) or 63.163(e)(4).

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CJ**  
**Applicable Limits and Compliance Monitoring Requirements**  
**Subpart EEE**  
**NESHAP for Hazardous Waste Combustors**  
**S-336, Manufacturing Services Thermal Oxidizer**  
**S-389, Sym-Tet Thermal Oxidizer**

| Type of Limit  | Citation of Limit      | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation                                     | Monitoring Frequency (P/C/N)               | Monitoring Type  |
|--|------------------------|--------|-----------------------|--|---|--|--|
| Dioxins and Furans   | Subpart EEE 63.1218(a) | Y      |                       | CO ≤ 100 ppm @ 7% O <sub>2</sub>   | Subpart EEE 63.1207(a)(3)<br>63.1209(a)<br>63.1209(b)<br>63.1209(k) | Initial<br>C<br><br>C                      | Source Test<br>CO CEM<br><br>Oxidizer Temperature, Flowrate or Production Rate, Maximum Feed Rate            |
| Mercury, Hydrogen Chloride, Chlorine, Specified Metals, and Particulate Matter | Subpart EEE 63.1218(a) | Y      |                       | HCl and Cl <sub>2</sub> combined ≤ 150 ppm @ 7% O <sub>2</sub> :<br>or<br>System Removal Efficiency at least 99.923% of Cl <sub>2</sub> and chloride fed to the combustor. | Subpart EEE 63.1209(o)<br>63.1207(d)                                | Initial<br>P - every 5-years<br>C<br><br>C | Comprehensive Performance Test<br>Chlorine and Chloride Feedrate<br>Caustic Scrubber Flowrate<br>Scrubber pH |
| CO and hydrocarbons  | Subpart EEE 63.1218(a) | Y      |                       | CO ≤ 100 ppm @ 7% O <sub>2</sub> and hydrocarbons ≤ 10 ppm @ 7% O <sub>2</sub>   | Subpart EEE 63.1209(a)<br>63.1207(d)                                | C for CO<br><br>Initial for hydrocarbons   | CEM<br><br>Comprehensive Performance Test  |



## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CJ**  
**Applicable Limits and Compliance Monitoring Requirements**  
**Subpart EEE**  
**NESHAP for Hazardous Waste Combustors**  
**S-336, Manufacturing Services Thermal Oxidizer**  
**S-389, Sym-Tet Thermal Oxidizer**

| Type of Limit | Citation of Limit         | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation   | Monitoring Frequency (P/C/N)   | Monitoring Type   |
|---------------|---------------------------|--------|-----------------------|--|---|--|---|
| POC/<br>HAP   | Subpart EEE<br>63.1218(c) | Y      |                       | Destruction Removal Efficiency (DRE)<br>99.99% | Subpart EEE<br>63.1206(b)(7)<br>63.1207(d)<br><br>CAM<br>Condition<br>26192 Part 3,<br>Part 8<br><br>63.1209(j) | Initial<br><br><br>P - every 5-years<br>w/Subpart EEE<br>Comprehensive<br>Performance<br>Test<br><br>C | Comprehensive<br>Performance<br>Test with DRE<br>Test<br><br>DRE test using<br>Subpart EEE<br>methodology<br><br>Oxidizer<br>Temperature,<br>Flowrate or<br>Production<br>Rate, Maximum<br>Feed Rate,<br>Operation of<br>Waste Firing<br>System |

Notes: Halogen Acid Furnaces S-336 and S-389 monitor the following: Combustion temperature, feed rate, maximum chloride feed, scrubber pH, scrubber pressure drop, scrubber liquid to gas ratio, CO concentration, stack gas flow. Subpart EEE only requires an initial test to demonstrate compliance with the Destruction Removal Efficiency limits in 63.1218(c) (See 63.1206(b)(7)). CAM Condition 26192 Part 3 and Part 8 requires Dow to conduct a Destruction Removal Efficiency test on S-336 and S-389 during each Subpart EEE comprehensive performance test.

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

Dow operates the following sources that are subject to Subpart FFFF:

- S-44 N-Serve Plant
- S-302 Dowacil Train 1
- S-303 Dowacil Train 2
- S-434 Manufacturing Services
- S-446 Sym-Tet Plant
- S-474 Trifluro
- S-476 Trifluro
- S-593, Plant 640, Section 1
- S-594, Plant 640, Section 2
- S-595, Plant 640, Section 3
- S-596, Plant 640, Section 4
- S-693 Distillation System
- S-695 Storage Tank, T-580

Storage Tanks that are also subject to Subpart EEEE may also be subject to Subpart FFFF.

**Table VII – CK**  
**Applicable Limits and Compliance Monitoring Requirements**  
**Subpart FFFF**  
**NESHAP for Miscellaneous Organic Chemical Manufacturing**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|-------------------|--------|-----------------------|-------|---------------------------------|------------------------------|-----------------|
| TBD           | TBD               | Y      | TBD                   | TBD   | TBD                             | TBD                          | TBD             |

Note: The monitoring requirements of 40 CFR Part 63 Subpart FFFF-Miscellaneous Chemical Manufacturing will be added into the Title V permit at a future date.

**VII. Applicable Emission Limits & Compliance Monitoring Requirements**

**Table VII – CL**  
**Applicable Limits and Compliance Monitoring Requirements**  
**Subpart ZZZZ**  
**NESHAP for Stationary Reciprocating Internal Combustion Engines**  
**S-706, Diesel Engine for FPI Standby Generator**  
**S-707, Diesel Engine Backup Generator P1A**  
**S-708, Diesel Engine Backup Generator P1B**  
**S-711, Diesel Engine Backup Generator 223**

| <b>Type of Limit</b> | <b>Citation of Limit</b> | <b>FE Y/N</b> | <b>Future Effective Date</b> | <b>Limit</b>  | <b>Monitoring Requirement Citation</b> | <b>Monitoring Frequency (P/C/N)</b> | <b>Monitoring Type</b>    |
|----------------------|--------------------------|---------------|------------------------------|---|--|-------------------------------------|---------------------------|
| Hours of Operation   | 63.6640(f)               | Y             |                              | No limit for emergency use<br>100 hours/year for maintenance and readiness checks | 63.6655(f)                             | C                                   | Non-resettable hour meter |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CM**  
**Applicable Limits and Compliance Monitoring Requirements**  
**Subpart DDDDD**  
**NESHAP for Boilers and Process Heaters**  
**S-444, U-183 Dowtherm Heater**  
**S-460, U-83 Dowtherm Heater**  
**S-1011, Auxiliary Boiler**

| Type of Limit | Citation of Limit                        | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation  | Monitoring Frequency (P/C/N)  | Monitoring Type |
|---------------|--|--------|-----------------------|-------|--|---|-----------------|
| CO            | Tune up to minimize CO, 63.7500, 63.7540 | Y      | 63.7495(c)<br>(9)     |       | Limited Use Boiler, or Boiler or Process Heater with continuous oxygen trim system 63.7540 | P-5 years   | Tune-up         |
| CO            | Tune up to minimize CO, 63.7500, 63.7540 | Y      | 63.7495(c)<br>(9)     |       | Boiler or Process Heater without continuous oxygen trim system 63.7540                     | P-A for heat input $\geq 10$ MMBtu/hr<br>P-Biennially for heat input $< 10$ MMBtu/hr and $> 5$ MMBtu/hr<br>P-every 5 years for heat input $\leq 5$ MMBtu/hr | Tune-up         |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CN**  
**Applicable Limits and Compliance Monitoring Requirements**  
**40 CFR Part 64-Compliance Assurance Monitoring**  
**S-151 T-614 Terminalized Products abated by S-336 or S-389**  
**S-633 Water Treatment Carbon Beds Regeneration abated by S-336 or S-389**  
**S-434, Carbon Tetrachloride Purification System, abated by S-336**  
**S-446 Sym-Tet S-Plant abated by S-389**  
**S-302 Dowicil Train 1, abated by S-336 or S-389**  
**S-303 Dowicil Train 2 abated by S-336 or S-389**  
**S-322 D-203 A/B Portable Dryers abated by S-336 or S-389**  
**S-631 D-203 C Portable Resin Dryer abated by S-336 or S-389**  
**S-504 Chlorinolysis Train 1 abated by A-400 (S-400)**  
**S-505 Chlorinolysis Train 2 abated by A-400 (S-400)**  
**Abatement Devices: S-336 Halogenated Acid Furnace: Manufacturing Services Thermal Oxidizer, S-389 R-501 Halogenated Acid Furnace: Sym-Tet Thermal Oxidizer, A-400 (S-400) R-901 Thermal Oxidizer**

| Type of Limit    | Citation of Limit  | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation                      | Monitoring Frequency (P/C/N)                        | Monitoring Type |
|------------------|--|--------|-----------------------|---|--|---|-----------------|
| S-336, VOC, HAPs | Condition 6859 part 4, CAM Condition #26192 part 3                 | Y      |                       | Minimum Organic Destruction Efficiency of 99.99% by weight  | CAM Condition #26192 part 3                          | P – every five years in accordance with Subpart EEE | Source Test     |
| S-336, VOC, HAPs | Condition 6859 part 4, part 6, CAM Condition #26192 part 3, part 4 | Y      |                       | Minimum Temperature 1745 degrees F, Minimum Organic Destruction Efficiency of 99.99% by weight    | Condition 6859 part 6, CAM Condition #26192 part 6   | C   | Temperature     |
| S-389, HAPs      | Condition 2039 part 5, CAM Condition #26192 part 8                 | Y      |                       | Minimum Organic Destruction Efficiency of 99.99% by weight  | CAM Condition #26192 part 8                          | P – every five years in accordance with Subpart EEE | Source Test     |
| S-389, HAPs      | Condition 2039 part 1, part 5, CAM Condition #26192 part 8, part 9 | Y      |                       | Minimum Temperature of 1830 degrees F, Minimum Organic Destruction Efficiency of 99.99% by weight | Condition 2039 part 13, CAM Condition #26192 part 11 | C   | Temperature     |
| A-400 (S-        | Condition 2213   | Y      |                       | Minimum Organic   | CAM Condition  | P – every five                                      | Source Test     |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CN**  
**Applicable Limits and Compliance Monitoring Requirements**  
**40 CFR Part 64-Compliance Assurance Monitoring**  
**S-151 T-614 Terminalized Products abated by S-336 or S-389**  
**S-633 Water Treatment Carbon Beds Regeneration abated by S-336 or S-389**  
**S-434, Carbon Tetrachloride Purification System, abated by S-336**  
**S-446 Sym-Tet S-Plant abated by S-389**  
**S-302 Dowicil Train 1, abated by S-336 or S-389**  
**S-303 Dowicil Train 2 abated by S-336 or S-389**  
**S-322 D-203 A/B Portable Dryers abated by S-336 or S-389**  
**S-631 D-203 C Portable Resin Dryer abated by S-336 or S-389**  
**S-504 Chlorinolysis Train 1 abated by A-400 (S-400)**  
**S-505 Chlorinolysis Train 2 abated by A-400 (S-400)**  
**Abatement Devices: S-336 Halogenated Acid Furnace: Manufacturing Services Thermal Oxidizer, S-389 R-501 Halogenated Acid Furnace: Sym-Tet Thermal Oxidizer, A-400 (S-400) R-901 Thermal Oxidizer**

| Type of Limit      | Citation of Limit  | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation                     | Monitoring Frequency (P/C/N) | Monitoring Type |
|--------------------|--|--------|-----------------------|---|---|------------------------------|-----------------|
| 400) HAPs          | part 8, CAM Condition #26192 part 13                                 |        |                       | Destruction Efficiency of 64% by weight   | #26192 part 13                                      | years                        |                 |
| A-400 (S-400) HAPs | Condition 2213 part 8, part 9, CAM Condition #26192 part 13, part 14 | Y      |                       | Minimum Temperature 1472 degrees F<br>Minimum Organic Destruction Efficiency of 64% by weight | Condition 2213 part 9, CAM Condition #26192 part 16 | C                            | Temperature     |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CO  
 Applicable Limits and Compliance Monitoring Requirements  
 S-800 Diesel Engine Backup Generator**

| Type of Limit      | Citation of Limit | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type           |
|--------------------|-------------------|--------|-----------------------|---|---------------------------------|------------------------------|---------------------------|
| Opacity            | BAAQMD 6-1-303    | N      |                       | ≥ Ringelmann No. 2 for no more than 3 minutes/hour  | None                            | N                            | N/A                       |
| Opacity            | SIP 6-303         | Y      |                       | ≥ Ringelmann No. 2 for no more than 3 minutes/hour  | None                            | N                            | N/A                       |
| Visible Emissions  | 6-1-305           | N      |                       | Prohibition of nuisance   | None                            | N                            | N/A                       |
| Visible Emissions  | SIP 6-305         | N      |                       | Prohibition of nuisance   | None                            | N                            | N/A                       |
| FP                 | BAAQMD 6-1-310.1  | N      |                       | 0.15 grain/dscf   | None                            | N                            | N/A                       |
| FP                 | SIP 6-310         | Y      |                       | 0.15 grain/dscf   | None                            | N                            | N/A                       |
| SO <sub>2</sub>    | BAAQMD 9-1-301    | N      |                       | Ground level concentration ≤ 0.5 ppm for 3 minutes, 0.25 ppm for 60 minutes, or 0.05 over 24 hours  | None                            | N                            | N/A                       |
| SO <sub>2</sub>    | BAAQMD 9-1-304    | N      |                       | Fuel sulfur content ≤ 0.5% by weight, unless the SO <sub>2</sub> concentration in the resulting emissions ≤ 300 ppm, dry  | None                            |                              | N/A                       |
| SO <sub>2</sub>    | 40 CFR 60.4207(b) | Y      |                       | Use diesel fuel that meets 15 ppm sulfur content per 40 CFR 80.510(b) for nonroad diesel  | None                            | N                            | N/A                       |
| H <sub>2</sub> S   | BAAQMD 9-2-301    | N      |                       | Limitation of Hydrogen Sulfide: within 24 hour period cannot exceed 0.06 ppm averaged over 3 consecutive minutes or 0.03 ppm averaged over any 60 consecutive minutes | None                            | N                            | N/A                       |
| Hours of Operation | BAAQMD 9-8-330    | N      |                       | Operation for reliability-related activities ≤ 50 hours/calendar year   | BAAQMD 9-8-530                  | C                            | Totalizing meter, records |

## VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII – CO  
 Applicable Limits and Compliance Monitoring Requirements  
 S-800 Diesel Engine Backup Generator**

| Type of Limit      | Citation of Limit   | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation    | Monitoring Frequency (P/C/N) | Monitoring Type                           |
|--------------------|---|--------|-----------------------|---|------------------------------------|------------------------------|---|
| Hours of operation | Title 17, California Code of Regulations section 93115.6(a)(3)(A)(1)(c) | N      |                       | < 50 hours/year for maintenance and testing                           | CCR, Title 17, Section 93115.10(d) | C                            | Totalizing meter records                  |
| Hours of operation | 40 CFR 60.4211(f)   | Y      |                       | 50 hours/year non-emergency operation                                 | 40 CFR 60.4209(a)                  | C                            | Totalizing meter                          |
| Hours of operation | Condition 22850, Part 1 (S-800 Only)                                    | N      |                       | Operation for reliability-related activities ≤ 50 hours/calendar year | Condition 22850, Part 3            | C                            | Totalizing meter, records                 |
| HC                 | 40 CFR 60.4205(a)   | Y      |                       | 0.15 g/bhp-hr   | 40 CFR 60.4211(a)                  | C                            | Operate and maintain per mfg instructions |
| NO <sub>x</sub>    | 40 CFR 60.4205(a)   | Y      |                       | 2.83 g/bhp-hr   | 40 CFR 60.4211(a)                  | C                            | Operate and maintain per mfg instructions |
| CO                 | 40 CFR 60.4205(a)   | Y      |                       | 2.61 g/bhp-hr   | 40 CFR 60.4211(a)                  | C                            | Operate and maintain per mfg instructions |
| PM                 | 40 CFR 60.4205(a)   | Y      |                       | 0.15 g/bhp-hr   | 40 CFR 60.4211(a)                  | C                            | Operate and maintain per mfg instructions |



## VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally found in Section 600 et seq. of the regulation. The following table indicates only the test methods associated with the emission limits included in Section VII, Applicable Limits & Compliance Monitoring Requirements, of this permit.

**Table VIII  
 Test Methods**

| <b>Applicable Requirement</b> | <b>Description of Requirement</b>             | <b>Acceptable Test Methods</b>   |
|-------------------------------|---|--|
| 6-1-301, SIP 6-301            | Ringelmann No. 1 Limitation                   | Manual of Procedures, Volume I, Evaluation of Visible Emissions  |
| 6-1-304, SIP 6-304            | Tube Cleaning                                 | Manual of Procedures, Volume I, Evaluation of Visible Emissions  |
| 6-1-310, SIP 6-310            | Particulate Weight Limitation                 | Manual of Procedures, Volume IV, ST-15, Particulates Sampling; or EPA Method 5, Determination of Particulate Emissions from Stationary Sources                       |
| 6-1-311, SIP 6-311            | General Operations                            | Manual of Procedures, Volume IV, ST-15, Particulates Sampling; or EPA Method 5, Determination of Particulate Emissions from Stationary Sources                       |
| 8-1-110.3                     | Exemptions                                    | Manual of Procedures, Volume IV, ST-7, Non-methane Organic Compound Sampling, or EPA Method 25 or 25A  |
| 8-2-301                       | Miscellaneous Operations                      | Manual of Procedures, Volume IV, ST-7, Non-methane Organic Compound Sampling, or EPA Method 25 or 25A  |
| 8-5-304                       | True Vapor Pressure                           | Manual of Procedures, Volume III, Lab Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks, if organic compound is not listed in Table I |
| 8-5-311.3                     | VOC emissions                                 | Manual of Procedures, Volume IV, ST-34, Bulk and Marine Loading Terminals Vapor Recovery Units   |
| 8-5-320.3                     | Pressure vacuum leak concentration            | EPA Reference Method 21, Determination of Volatile Organic Compounds Leaks   |
| 8-5-328.2                     | VOC emissions for tank cleaning               | Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling   |
| 8-6-110                       | Exemption, Low Vapor Pressure Organic Liquids | Manual of Procedures, Volume III, Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks, or EPA-450/3-87-026, or ASTM Method D 2879-83    |
| 8-6-302                       | Bulk Plant Limitations                        | Manual of Procedures, Volume IV, ST-3, Bulk Plants - Emission Factor Determination, or ST-34, Bulk and Marine Loading Terminals - Vapor Recovery Units               |

## VIII. TEST METHODS

**Table VIII  
 Test Methods**

| <b>Applicable Requirement</b>                            | <b>Description of Requirement</b> | <b>Acceptable Test Methods</b>  |
|--|-----------------------------------|---|
| 8-6-304  | Deliveries to Storage Tanks       | Manual of Procedures, Volume IV, ST-3, Bulk Plants - Emission Factor Determination, or ST-34, Bulk and Marine Loading Terminals - Vapor Recovery Units  |
| 8-7-301.2  | Phase I Requirements              | Manual of Procedures, Volume IV, ST-36, Gasoline Dispensing Facility Phase I Volumetric Efficiency or CARB Test Procedure TP201.1   |
| 8-7-301.6<br>8-7-301.13<br>8-7-302.5                     | Vapor Tightness                   | Manual of Procedures, Volume IV, ST-30, Static Pressure Integrity Test - Underground Storage Tanks or CARB Test Procedure TP201.3 – Underground Storage Tanks   |
| 8-7-302.6  | Phase II Requirements             | Manual of Procedures, Volume IV, ST-37, Gasoline Dispensing Facility Liquid Removal Devices   |
| 8-7-302.14   | Dynamic Back Pressure             | Manual of Procedures, Volume IV, ST-27, GDF Dynamic Back Pressure Test or CARB Test Procedure TP 201.4  |
| 8-7-302.15   | Air to Liquid Volume Ratio        | Manual of Procedures, Volume IV, ST-39, GDF Air to Liquid Volumetric Ratio Test or CARB Test Procedure TP-201.5   |
| 8-16-303.1.4   | General Operating Requirements    | Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings, or Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings   |
| 8-16-303.4.4   | Approved Emission Control Device  | Manual of Procedures, Volume IV, ST-7, Non-methane Organic Compound Sampling, or EPA Method 25 or 25A   |
| 8-16-303.5<br>8-16-303.5.2<br>8-16-303.5.3               | VOC Content                       | Manual of Procedures, Volume III, Method 31, Determination of Volatile Organic Compounds in Paint Strippers, Solvent Cleaners, and Low Solids Coatings<br><br>Manual of Procedures, Volume III, Method 43, Determination of Volatile Methylsiloxanes in Solvent Based Coatings, Inks, and Related Materials |
| 8-18-110   | Control Efficiency                | Manual of Procedures, Volume IV, ST-7, Non-methane Organic Compound Sampling, or EPA Method 25 or 25A   |
| 8-18-113   | Initial Boiling Point             | ASTM D-1078-98 or ASTM D-86   |
| 8-18-301<br>8-18-302<br>8-18-303<br>8-18-304<br>8-18-305 | Leak Inspection Procedures        | EPA Reference Method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks   |

## VIII. TEST METHODS

**Table VIII  
 Test Methods**

| <b>Applicable Requirement</b>    | <b>Description of Requirement</b>   | <b>Acceptable Test Methods</b>  |
|----------------------------------|---|---|
| 8-18-306                         | Mass Emissions  | EPA Protocol for Equipment Leak Emission Estimates, Chapter 4, Mass Emission Sampling (EPA-453/R-95-017) November 1995 or equivalent method as determined by EPA and approved by the APCO   |
| 8-19-302                         | Limits  | Analysis of Coating Samples: Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings, or Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings<br>Determination of Emissions: Manual of Procedures, Volume IV, ST-7, Non-methane Organic Compound Sampling, or EPA Method 25 or 25A and 55 FR 26865 for control device efficiency |
| 8-19-313<br>8-19-320<br>8-19-321 | Spray Equipment Limitations<br>Solvent Evaporative Loss Minimization<br>Surface Preparation Standards | Determination of Emissions: Manual of Procedures, Volume IV, ST-7, Non-methane Organic Compound Sampling, or EPA Method 25 or 25A and 55 FR 26865 for control device efficiency<br>Analysis of Solvent Samples: Manual of Procedures, Volume III, Method 31, Determination of Volatile Organic Compounds in Paint Strippers, Solvent Cleaners, and Low Solids Coatings  |
| 8-36-301                         | Resin Reactors, Thinning Tanks, Blending Tanks  | Determination of Emissions: Manual of Procedures, Volume IV, ST-7, Non-methane Organic Compound Sampling  |
| 8-47-601                         | Air Stripper Water Sampling   | EPA's or Regional Water Quality Control Board's Analytical Methods  |
| 8-49-301<br>8-49-303             | Limits<br>Multi-Component Applications  | Manual of Procedures, Volume III, Method 35 and 36, Determination of Volatile Organic Compounds in Solvent Based Aerosol Paints and Determination of Volatile Organic Compounds in Water Based Aerosol Paints   |
| 9-1-302                          | General Emission Limitation   | Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling,   |
| 9-1-304                          | Fuel Burning (Liquid and Solid Fuels)   | Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.  |
| 9-7-304.1                        | Stack Gas Oxygen Concentration  | Manual of Procedures, Volume IV, ST-14, Oxygen - Continuous Sampling  |

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**Table VIII  
 Test Methods**

| <b>Applicable Requirement</b>     | <b>Description of Requirement</b>  | <b>Acceptable Test Methods</b>   |
|-----------------------------------|--|--|
| 9-7-301                           | Emission Limits for Burning Gaseous Fuel   | NOx: Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling<br>CO: Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling |
| 9-7-304.2                         | Tune-Up Procedures   | Manual of Procedures, Volume I, Chapter 5  |
| 9-7-305<br>9-7-306                | Natural Gas Curtailment, Non-Gaseous Fuel<br>Equipment Testing, Non-Gaseous Fuel | NOx: Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling<br>CO: Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling |
| BAAQMD Condition 1785, Part 1     | No Detectable Fugitive Emissions   | EPA Reference Method 21 (40 CFR 60, Appendix A)  |
| BAAQMD Condition 2039, Part 5     | Organic Destruction Efficiency   | Manual of Procedures, Volume IV, ST-7, Non-methane Organic Compound Sampling, or EPA Method 25 or 25A  |
| BAAQMD Condition 2039, Part 4     | Outlet CO concentration  | Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling  |
| BAAQMD Condition 2039, Part 6     | Outlet PM grain loading  | Manual of Procedures, Volume IV, ST-15, Particulates Sampling; or EPA Method 5, Determination of Particulate Emissions from Stationary Sources                           |
| BAAQMD Condition 2039, Part 10    | NOx Emissions  | Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling   |
| BAAQMD Condition 2213, Part 1     | VOC Destruction Efficiency   | Manual of Procedures, Volume IV, ST-7, Non-methane Organic Compound Sampling, or EPA Method 25 or 25A  |
| BAAQMD Condition 2213, Parts 4, 5 | VOC Emission Limit   | Manual of Procedures, Volume IV, ST-7, Non-methane Organic Compound Sampling, or EPA Method 25 or 25A  |
| BAAQMD Condition 3712, Part 3     | Outlet VOC concentration   | EPA Reference Method 21 (40 CFR 60, Appendix A)  |

## VIII. TEST METHODS

**Table VIII  
 Test Methods**

| <b>Applicable Requirement</b>        | <b>Description of Requirement</b>              | <b>Acceptable Test Methods</b>   |
|--------------------------------------|--|--|
| BAAQMD Condition 4780, Part 1        | POC Emission Limit                             | Manual of Procedures, Volume IV, ST-7, Non-methane Organic Compound Sampling, or EPA Method 25 or 25A  |
| BAAQMD Condition 4780, Parts 6, 7, 8 | VOC leak limits                                | EPA Reference Method 21 (40 CFR 60, Appendix A)  |
| BAAQMD Condition 5148, Part 1        | Destruction Efficiency or Daily Emission Limit | Manual of Procedures, Volume IV, ST-7, Non-methane Organic Compound Sampling, or EPA Method 25 or 25A  |
| BAAQMD Condition 5180, Part 2        | Capture efficiency                             | Manual of Procedures, Volume IV, ST-34, Bulk and Marine Loading Terminals - Vapor Recovery Units   |
| BAAQMD Condition 5180, Part 3        | POC Loading Emission Limit                     | Manual of Procedures, Volume IV, ST-3, Bulk Plants - Emission Factor Determination, or ST-34, Bulk and Marine Loading Terminals - Vapor Recovery Units |
| BAAQMD Condition 5336, Parts 1, 2    | No Detectable Fugitive Emissions               | EPA Reference Method 21 (40 CFR 60, Appendix A)  |
| BAAQMD Condition 6859, Part 4        | Organic Destruction Efficiency                 | Manual of Procedures, Volume IV, ST-7, Non-methane Organic Compound Sampling, or EPA Method 25 or 25A  |
| BAAQMD Condition 8894, Parts 11, 12  | Outlet VOC concentration                       | EPA Reference Method 21 (40 CFR 60, Appendix A)  |
| BAAQMD Condition 11054, Part 3       | CO concentration limit                         | Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling  |
| BAAQMD Condition 11276, Part 2       | Vapor Tight                                    | EPA Reference Method 21 (40 CFR 60, Appendix A)  |
| BAAQMD Condition 19356, Part 14      | Fuel Sulfur Content                            | Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.   |

**IX. PERMIT SHIELD**

None.

## **X. REVISION HISTORY**

Final Major Facility Review Permit Issuance  
(Application # 16468) December 1, 2003

Final Issuance of Reopened Permit  
(Application # 8895) October 28, 2004

MACT Issuance: The Organic Liquids Distribution MACT, Subpart EEEE, and the Boiler and Process Heater MACT, Subpart DDDDD, were published, therefore the 112(j) application requirements were removed from the facility requirement table, Table IV-A, and the Custom Schedule of Compliance for Subpart EEEE was removed from the Schedule of Compliance section and Condition 21063. Subpart DDDDD was added to the source specific requirements tables for S-444 and S-460 as a future effective requirement. Subpart EEEE was added to the facility requirement table as a future effective requirement.

To replace confidential information:

- Condition 2039: The confidential claim in Part 8 was removed and replaced with the original maximum daily liquid throughput limit; this was also updated to Tables IV-AF and VII-Z for S-389. The pH monitoring from the BIF/HAF federal requirements was added to document existing monitoring.
- For Condition 3712: The confidential claim in Part 6 was removed and replaced with the original annual and daily agricultural product drum loading limits. This change was updated to Tables IV-BN and VII-BE for S-588 and noted federally enforceable. References to Parts 3 and 4, which no longer exist, were deleted from part 7.
- Condition 6859: The pH monitoring from the BIF/HAF federal requirements was added to document monitoring.
- For Condition 8894: The confidential portion of Part 3 was deleted and updated to Tables IV-BZ and VII-BP for S-647. The confidential information in Part 9 was deleted and replaced with annual POC and HCl emission limits in part 13; this was updated to Tables IV-CA and VII-BQ for S-648. The recordkeeping requirements were renumbered to Part 14 and updated to reflect daily records. The confidential information in Part 15 was deleted; this was updated to Tables IV-CB and VII-BR for S-649. The confidential information in Part 18 was deleted and updated to Tables IV-CC and VII-BS for S-650, S-651, S-652.
- For Condition 14438: The confidential information in Part 2 was deleted and updated to Tables IV-CE and VII-BU for S-662, S-663, S-664. Part 8 was corrected to refer to Parts 3 through 7, since parts 1 and 2 no longer exist.
- For Condition 15932: The confidential parts 1 and 5 were replaced with a combined POC emission limit for S-693 and S-694; recordkeeping requirements for S-693 were consolidated to Part 8 and 'offsets' was added to the basis. This information was updated to Tables IV-CL, IV-CM, VII-CB and VII-CC for S-693 and S-694. The confidential Parts 9 and 11 were replaced with a combined POC emission limit for S-695, S-696, and S-697; this was updated to Tables IV-CN, IV-CO, IV-CP, VII-CD,

## **X. Revision History**

- VII-CE, and VII-CF. Recordkeeping requirements for all 3 sources was consolidated to part 13.
- For Condition 15944: The confidential information in Part 1 was replaced with an annual PM10 emission limit, and calculation of emissions was added to the recordkeeping requirements in Part 4; this was updated to Tables IV-CK and VII-CA for S-684.
  - For Condition 18128: The confidential information in Parts 3 and 4 was replaced with annual and daily abated HCl emission limits; this was updated to Tables IV-AO and VII-AI for S-449. The confidential information in Parts 1 and 2 was replaced with annual and daily abated PM and SO2 emission limits; this was updated to Table IV-AP and VII-AJ for S-454. Clarification that emissions should be calculated was added to Part 12 and a source test requirement to Part 10.
  - For Condition 20303: The confidential information in Part 1 was replaced with annual sulfuryl fluoride, HF, HCl, and SO2 emission limits and emission calculation and a source test requirement were added to Part 7; this was updated to Tables IV-CX and VII-CN for future S-712. Table VII-CN was noted as future requirements.

### **Corrections:**

- Correction of a typographical error for S-507, Table IV-BE
- For Condition 4780: Asterisk added to Part 13 to indicate the condition is not-federally enforceable. Citation of Part 10, which no longer exists, was removed from part 16.

### **Final Issuance of Minor Permit Revision (Application #10351)**

October 3, 2005

For the gasoline dispensing facility, S-174: A permit condition was added for S-174 to enforce the Enhanced Vapor Recovery Phase I system operating, maintenance and testing requirements. The Source Specific Applicable Requirements and the Applicable Limits and Compliance Monitoring tables were updated.

For the Dowicil Plant and associated storage tanks, S-302, S-303, S-662, S-663, S-664: The Manufacturing Services Thermal Oxidizer, S-336, has been added as an additional abatement option for these sources in Permit Condition 14438. This revision was also updated to the Source Specific Applicable Requirements and the Applicable Limits and Compliance Monitoring tables. The citation of Rule 8-5 was updated to reflect the current version of this rule.

For sources, S-428 and S-448: The sources have been shown to be exempt from District permit requirements and have been designated as exempt in Permit Condition 5148.

For storage tank, S-683, at the Latex Plant: The permit condition for S-683 was modified to reflect the permitted throughput increase issued under District Application 12025. This revision was also incorporated in the Source Specific Applicable Requirements and the Applicable Limits and Compliance Monitoring tables. In addition, the citation of



## **X. Revision History**

Rule 8-5 was updated to reflect the current version of this rule, and the vapor pressure limit in the permit condition was clarified to show a basis in Rule 8-6 and that the limit applies as measured at 25 degrees C.

Title V Renewal  
(Application # 18262) January 15, 2016

MFR Revision (Application # 26078, 26663, 28556 and 29321) April 15, 2020

- Correct District address and District phone number on Title Page and Section I.F.
- Name change of Facility- make change on Title page and on Header of document
- Name change of Responsible official-make change on Title page
- Correct Engineering Contact and Issuer on Title Page
- Update amendment dates in Section I.A.
- Clarify standard conditions in Sections I.B and I.H.
- Add email addresses to Sections I.F. and I.G.
- Update description on S-726, S-729, S-730, S-731 S-733 and S-735 in Table II-A
- Added description and sources in Table II-A for the following S-736, S-737, S-738, S-800
- In Table II-B; update list of sources controlled by the installation of replacement scrubbers A-72 replaced with A-410 and A-94 replaced with new scrubber A-412 in Table II-B
- In Section III- added language for exempt sources, portable equipment and provided a new link address for EPA Region 9's website and strike out old website address link.
- In Table III - Revised effective dates for BAAQMD Rules and Regulations, added BAAQMD Regulations 6, 11-18 and 14-1, corrected updated date for 40 CFR 82- to 12/1/16; added SIP Regulation 9-1
- Revised Table IV-W- changed abatement device in header description from A-72 to A-410
- Revised Table IV-X- changed the abatement device in header description from A-94 to A-412
- Revised Table IV-AW- add new applicable requirements to the facility as shown in condition #4780: part 11, part 13 and part 16(g)
- Revised Table IV-AX- add new applicable requirements to S-604 truck loading tank operation condition # 4780 part 13
- Revise IV-BZ to add and modify condition #24763 parts 1 and part 9

## **X. Revision History**

- Revised title of Table IV-CA to remove exempt sources, change description.
- Corrected table designations for Tables IV-CK-CN.
- Added Table IV-CO which included all applicable regulations and permit condition and Table VII-CO for addition of new source S-800 Diesel Engine
- Corrected permit condition formatting throughout Section VI.
- Updated Part VI Condition #2039, replace scrubber A-94 with A-412 in permit and include A/N 28034
- Removed repetitive text from Condition # 3500.
- Updated Part VI of Permit condition 4780 to include A/N 26077 and for condition #11, increased number of rail cars from 345 to 562; condition #13, include language for limit on tank truck trips
- Updated Part VI condition 4780, part 16 recordkeeping to include part g for tank truck trips
- Updated Part VI condition 6859; replace scrubber A-72 with A-410 in permit and include A/N 28034
- Removed obsolete text from Condition # 8894
- Updated Part VI condition #22850 to add S-800 diesel engine
- Updated Part VI Condition # 24763 to include A/N 26661 and 28555 and change component list for condition 2 which included increased number of valves, connections, pumps and pressure relief devices; Added a condition 9 to address rail car shipment, and limit on rail cars in a 12-month period. Included a proposed record keeping requirement for truck and rail car trips.
- Corrected table designations for Tables VII-S through VII-CN
- Updated Table VII-W and Table VII-X changed title description of scrubbers to A-410 and A-412 and replaced old scrubber A-72 with A-410 in limit section for pH.
- Added Condition # 4780, Part 11 limit to Table VII-AW.
- Added Condition # 4780, Part 13 limit to Table VII-AX.
- Added new and missing limits from Condition # 24763 to Table VII-BZ
- Replaced scrubber A-72 with A-410 in preamble to Table VII-CG
- Added Table VII-CO- added requirements for S-800 identified in NSR # 29320
- Added description of all changes to Section X, Revision History.

Final Issuance of Administrative Amendment  
(Application no. 30896)

March 3, 2021

- Name change of Facility- make change on Title page and on Header/Footer of document

## **XI. GLOSSARY**

**ACT**

Federal Clean Air Act

**APCO**

Air Pollution Control Officer

**API**

American Petroleum Institute

**APCO**

Air Pollution Control Officer

**ARB**

Air Resources Board

**BAAQMD**

Bay Area Air Quality Management District

**BACT**

Best Available Control Technology

**BARCT**

Best Available Retrofit Control Technology

**Basis**

The underlying authority that allows the District to impose requirements.

**C2**

An Organic chemical compound with two carbon atoms

**C5**

An Organic chemical compound with five carbon atoms

**C6**

An Organic chemical compound with six carbon atoms

**CAA**

The federal Clean Air Act

**CAAQS**

California Ambient Air Quality Standards

## **XI. Glossary**

### **CAPCOA**

California Air Pollution Control Officers Association

### **CEM**

A "continuous emission monitor" is a monitoring device that provides a continuous direct measurement of some pollutant (e.g. NO<sub>x</sub> concentration) in an exhaust stream.

### **CEQA**

California Environmental Quality Act

### **CFR**

The Code of Federal Regulations. 40 CFR contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of 40 CFR contain the requirements for air pollution programs.

### **Cl<sub>2</sub>**

chlorine

### **CO**

Carbon Monoxide

### **CO<sub>2</sub>**

Carbon Dioxide

### **Cumulative Increase**

The sum of permitted emissions from each new or modified source since a specified date pursuant to BAAQMD Rule 2-1-403, Permit Conditions (as amended by the District Board on 7/17/91) and SIP Rule 2-1-403, Permit Conditions (as approved by EPA on 6/23/95). Used to determine whether threshold-based requirements are triggered.

### **District**

The Bay Area Air Quality Management District

### **dscf**

Dry Standard Cubic Feet

### **dscm**

Dry Standard Cubic Meter

## **XI. Glossary**

### **E 6, E 9, E 12**

Very large or very small number values are commonly expressed in a form called scientific notation, which consists of a decimal part multiplied by 10 raised to some power. For example, 4.53 E 6 equals  $(4.53) \times (10^6) = (4.53) \times (10 \times 10 \times 10 \times 10 \times 10 \times 10) = 4,530,000$ . Scientific notation is used to express large or small numbers without writing out long strings of zeros.

### **EFRT**

An "external floating roof tank" minimizes VOC emissions with a roof with floats on the surface of the liquid, thus preventing the formation of a VOC-rich vapor space above the liquid surface as the level in the tank drops. If such a vapor space were allowed to form, it would be expelled when the tank was re-filled. On an EFRT, the floating roof is not enclosed by a second, fixed tank roof, and is thus described as an "external" roof.

### **EPA**

The federal Environmental Protection Agency.

### **Excluded**

Not subject to any District Regulations.

### **Federally Enforceable, FE**

All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to 40 CFR Part 51, subpart I (NSR), Part 52.21 (PSD), Part 60 (NSPS), Part 61 (NESHAPs), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), and also including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

### **FP**

Filterable Particulate as measured by BAAQMD Method ST-15, Particulate.

### **FR**

Federal Register

### **FRT**

Floating Roof Tank (See EFRT and IFRT)

### **GDF**

Gasoline Dispensing Facility

### **GLM**

Ground Level Monitor

## **XI. Glossary**

### **grains**

1/7000 of a pound

### **HAP**

Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by 40 CFR Part 63.

### **H<sub>2</sub>S**

Hydrogen Sulfide

### **H<sub>2</sub>SO<sub>4</sub>**

Sulfuric Acid

### **Hg**

Mercury

### **HHV**

Higher Heating Value. The quantity of heat evolved as determined by a calorimeter where the combustion products are cooled to 60F and all water vapor is condensed to liquid.

### **IFRT**

An "internal floating roof tank" minimizes VOC emissions with a roof with floats on the surface of the liquid, thus preventing the formation of a VOC-rich vapor space above the liquid surface as the level in the tank drops. If such a vapor space were allowed to form, it would be expelled when the tank was re-filled. On an IFRT, the floating roof is enclosed by a second, fixed tank roof, and thus is described as an "internal" roof.

### **LHV**

Lower Heating Value. Similar to the higher heating value (see HHV) except that the water produced by the combustion is not condensed but retained as vapor at 60F.

### **Latex MACT**

40 CFR Part 63, Subpart U

### **Lontrel**

A solid herbicide produced at this facility, an organic acid.

### **Lorsban**

A terminalized product, not produced at this facility.

## **XI. Glossary**

### **Major Facility**

A facility with potential emissions of: (1) at least 100 tons per year of any regulated air pollutant, (2) at least 10 tons per year of any single hazardous air pollutant, and/or (3) at least 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity of hazardous air pollutants as determined by the EPA administrator.

### **MEI**

Methyl ester intermediate

### **MFR**

Major Facility Review. The District's term for the federal operating permit program mandated by Title V of the Act and implemented by District Regulation 2, Rule 6.

### **MOP**

The District's Manual of Procedures

### **MSDS**

Material Safety Data Sheet

### **NA**

Not Applicable

### **NAAQS**

National Ambient Air Quality Standards

### **NESHAPs**

National Emission Standards for Hazardous Air Pollutants. See in 40 CFR Parts 61 and 63.

### **NMHC**

Non-methane Hydrocarbons

### **NMOC**

Non-methane Organic Compounds (Same as NMHC)

### **NOCS**

Notification of Compliance Status

### **NO<sub>x</sub>**

Oxides of nitrogen.

### **N-Serve**

An agricultural product produced at this facility.

## **XI. Glossary**

### **NSPS**

Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Act, and implemented by 40 CFR Part 60 and District Regulation 10.

### **NSR**

New Source Review. A federal program for pre-construction review and permitting of new and modified sources of air pollutants for which the District is classified "non-attainment". Mandated by Title I of the Clean Air Act and implemented by 40 CFR Parts 51 and 52 as well as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

### **O<sub>2</sub>**

The chemical name for naturally-occurring oxygen gas.

### **Offset Requirement**

A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source and any pre-existing cumulative increase minus any onsite contemporaneous emission reduction credits. Applies to emissions of POC, NO<sub>x</sub>, PM<sub>10</sub>, and SO<sub>2</sub>.

### **PAI MACT**

40 CFR Part 63, Subpart MMM

### **Perc**

Perchloroethylene

### **Phase II Acid Rain Facility**

A facility that generates electricity for sale through fossil-fuel combustion and is not exempted by 40 CFR 72 from Titles IV and V of the Clean Air Act.

### **POC**

Precursor Organic Compounds

POHC

Precursor Organic Hydrocarbon

### **PM**

Total Particulate Matter

### **PM<sub>10</sub>**

Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns



## **XI. Glossary**

### **PRD**

Pressure Relief Device

### **PSD**

Prevention of Significant Deterioration. A federal program for permitting new and modified sources of air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 and District Regulation 2, Rule 2.

### **RMP**

Risk Management Plan

### **SCR**

A "selective catalytic reduction" unit is an abatement device that reduces NO<sub>x</sub> concentrations in the exhaust stream of a combustion device. SCRs utilize a catalyst, which operates at a specific temperature range, and injected ammonia to promote the conversion of NO<sub>x</sub> compounds to nitrogen gas.

### **SIP**

State Implementation Plan. State and District programs and regulations approved by EPA and developed in order to attain the National Air Ambient Quality Standards. Mandated by Title I of the Act.

### **SO<sub>2</sub>**

Sulfur dioxide

### **SO<sub>2</sub>F<sub>2</sub>**

Sulfuryl fluoride

### **SO<sub>3</sub>**

Sulfur trioxide

### **Sym-Tet**

Symmetrical tetrachloropyridine, an aromatic compound containing a nitrogen atom within the ring and 4 attached chlorine atoms

### **TCA**

Trichloroethane

### **TCE**

Trichloroethylene

## **XI. Glossary**

### **THC**

Total Hydrocarbons (NMHC + Methane)

### **therm**

100,000 British Thermal Unit

### **Title V**

Title V of the federal Clean Air Act. Requires a federally enforceable operating permit program for major and certain other facilities.

### **TOC**

Total Organic Compounds (NMOC + Methane, Same as THC)

### **TRE**

Total Resource Effectiveness

### **TRMP**

Toxic Risk Management Plan

### **TSP**

Total Suspended Particulate

### **TRS**

"Total reduced sulfur" is a measure of the amount of sulfur-containing compounds in a gas stream, typically a fuel gas stream, including, but not limited to, hydrogen sulfide. The TRS content of a fuel gas determines the concentration of SO<sub>2</sub> that will be present in the combusted fuel gas, since sulfur compounds are converted to SO<sub>2</sub> by the combustion process.

### **TVP**

True Vapor Pressure

### **Vikane**

Dow trade name for sulfuryl fluoride, a fumigant produced at this facility.

### **VOC**

Volatile Organic Compounds

## **XI. Glossary**

### **Units of Measure:**

|                |   |                                     |
|----------------|---|-------------------------------------|
| bhp            | = | brake-horsepower                    |
| BTU            | = | British Thermal Unit                |
| C              | = | degrees Celcius                     |
| cfm            | = | cubic feet per minute               |
| F              | = | degrees Fahrenheit                  |
| f <sup>3</sup> | = | cubic feet                          |
| g              | = | gram                                |
| gal            | = | gallon                              |
| gpm            | = | gallons per minute                  |
| gr             | = | grain                               |
| hp             | = | horsepower                          |
| hr             | = | hour                                |
| lb             | = | pound                               |
| in             | = | inch                                |
| max            | = | maximum                             |
| M              | = | thousand                            |
| m <sup>2</sup> | = | square meter                        |
| Mg             | = | mega-gram, one thousand grams       |
| µg             | = | micro-gram, one millionth of a gram |
| min            | = | minute                              |
| mm             | = | millimeter                          |
| MM             | = | million                             |
| MM BTU         | = | million btu                         |
| mm Hg          | = | millimeters of Mercury (pressure)   |
| MW             | = | megawatts                           |
| ppmv           | = | parts per million, by volume        |
| ppmw           | = | parts per million, by weight        |
| psia           | = | pounds per square inch, absolute    |
| psig           | = | pounds per square inch, gauge       |
| scfm           | = | standard cubic feet per minute      |
| yr             | = | year                                |

### **Symbols:**

|   |   |                          |
|---|---|--------------------------|
| < | = | less than                |
| > | = | greater than             |
| ≤ | = | less than or equal to    |
| ≥ | = | greater than or equal to |