

Bay Area Air Quality Management District

939 Ellis Street
San Francisco, CA 94109
(415) 771-6000

Final Proposed

MAJOR FACILITY REVIEW PERMIT

Issued To:

The Dow Chemical Company
Facility #A0031

Facility Address:

901 Loveridge Road
Pittsburg, CA 94565

Mailing Address:

PO Box 1398
Pittsburg, CA 94565

Responsible Official

~~Balaji Venkataraman~~ ~~Joseph Krkoska~~, Pittsburg Site Director ~~Site Leader~~ Marvin Louie,
Environmental Specialist

Telephone #925 432-~~5868~~54125455

Facility Contact

Telephone #925 432-5525

Type of Facility: Chemical Manufacturing

Primary SIC: 2879

Endow

Product: Agricultural Chemicals ~~and Synthetic Resins~~

BAAQMD Contact:

Brian Lusher Tamiko

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Jack P. Broadbent, Executive Officer/Air Pollution Control Officer

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 ~~7/9/08~~2/04);

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 ~~3/4/09~~4/04);

SIP Regulation 2, Rule 1 - Permits, General Requirements

(as approved by EPA through 1/26/99);

BAAQMD Regulation 2, Rule 2 - Permits, New Source Review

(as amended by the District Board on ~~6/15/05~~4/7/00);

SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration

(as approved by EPA through 1/26/99);

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking

(as amended by the District Board on ~~12/21/04~~5/17/00);

SIP Regulation 2, Rule 4 - Permits, Emissions Banking

(as approved by EPA through 1/26/99); ~~and~~

BAAQMD Regulation 2, Rule 5 – New Source Review of Toxic Air Contaminants

(as amended by the District Board on 1/6/10);

BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review

(as amended by the District Board on 4/16/03); 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 ~~December 1, 2003~~, and expires on ~~November 30, 2008~~. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than ~~May 31, 2008~~ and no earlier than ~~November 30, 2007~~. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after ~~November 30, 2008~~.** If the permit renewal has not been issued by [_____], 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

I. Standard Conditions

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)
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 to contain 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 whether it acts through employees, agents, contractors, or subcontractors. ([Regulation 2-6-307](#))

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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)

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, ~~Regulation 3~~; 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 1st through November 30th and December 1st through May 31st, 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 to the following address:

Director of Compliance and Enforcement
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109
Attn: Title V Reports

(Regulation 2-6-502, ~~Regulation 3~~; 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 permit holder may satisfy

I. Standard Conditions

this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification shall be sent to the Environmental Protection Agency at the following address:

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

Attention: Air 3

(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
25	T-734 Material Flow Latex	Fixed Roof Tank, bottom/submerged fill	424,000 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	697,000 gallons
29	T-608A Terminalized Products	Fixed Roof Tank, bottom/submerged fill	3334,000 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	15942,000 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	976,000 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

II. Equipment

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S-#	Description	Make or Type and Model	Capacity
40	Utilities Water Treatment Tank T-24	Fixed Roof Tank	1,100 gallons
44	N-Serve Plant	Reactors, Columns, and Tanks	
45	T-1 N-Serve	Fixed Roof Tank, bottom/submerged fill	15,000 gallons
<u>46</u>	<u>T-13 N-Serve (exempt 2-1-123.3.6)</u>	<u>Fixed Roof Tank</u>	<u>20,000 gallons</u>
<u>47</u>	<u>T-18 N-Serve (exempt 2-1-123.3.6)</u>	<u>Fixed Roof Tank</u>	<u>20,000 gallons</u>
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
<u>51</u>	<u>T-22 N-Serve (exempt 2-1-123.3.2)</u>	<u>Pressure Tank</u>	<u>4,000 gallons</u>
<u>54</u>	<u>T-26 N-Serve (exempt 2-1-123.1)</u>	<u>Pressure Tank</u>	<u>84,000 gallons</u>
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	14,7 <u>000</u> 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
<u>64</u>	<u>Heat Transfer Operation – Other (exempt 2-1-114.1.2)</u>	<u>Natural Gas Fired</u>	<u>2.94 MMBtu/hour</u>
<u>81</u>	<u>T-183 Sym Tet (exempt 2-1-123.3.2)</u>	<u>Pressure Tank</u>	<u>1,200 gallons</u>
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	HCl Storage Tank T-606F (<u>exempt per 2-1-123.2</u>)	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 <u>0</u> ,000 gallons
<u>154</u>	<u>T-616 Fresh Water Storage (exempt 2-1-123.3.2)</u>	<u>Aqueous Materials Storage Tank</u>	<u>700,000 gallons</u>
<u>161</u>	<u>Maintenance Paint Booth M-1 (exempt per 2-1-118.10)</u>		

II. Equipment

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S-#	Description	Make or Type and Model	Capacity
164	Maintenance Exhaust Area M-2 (exempt)		90,000 cfm
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 EMCO Wheaton vapor valve, 2 OPW nozzles, 1 pump, splash fill; 10,000 gallon underground tank – submerged fill, Phase I – 2 point; Phase II – balance	94 20,000 gallons/12 months
176	Chloralkali Cooling Tower H-1A	Marley Class 600	24,900 gpm 378,000 kg/second
177	Chloralkali Cooling Tower H-1B	Marley Class 600	24,900 gpm 378,000 kg/second
178	Chloralkali Cooling Tower H-2A	Marley Class 600	24,900 gpm 378,000 kg/second
179	Chloralkali Cooling Tower H-2B	Marley Class 600	24,900 gpm 378,000 kg/second
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

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S-#	Description	Make or Type and Model	Capacity
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
198	T-366 Latex Plant Process Recycle Tank	Separation Tank	
199	T-367 Latex Plant Process Tank	Separation Tank	
207	T-5 Latex Plant; Butadiene Storage	Pressure Tank, submerged-fill	20,000 gallons
208	T-6 Latex Plant; Butadiene Storage	Pressure Tank, bottom/submerged-fill	20,000 gallons
209	T-4 Latex Plant Styrene Storage Tank	Pressure Tank, bottom/submerged-fill	34,000 gallons
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
222	T-3 Latex Plant; Hydroxyethyl Acrylate Storage	Fixed Roof Tank, bottom/submerged-fill	5,800 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
226	T-364 Latex Plant Process Tank	Pressure Tank, bottom/submerged-fill	2,900 gallons
229	RM-1 Latex Plant Tank Car Unloading (Butadiene, Acrylonitrile)	Dow Custom Design, 2 unloading arms, 1 pump, bottom/submerged-fill	25,000 lbs/hour
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

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S-#	Description	Make or Type and Model	Capacity
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	Dowcil Train 1	Littleford Reactor/Drier Train	
303	Dowcil Train 2	Littleford Reactor/Drier Train	
308	Fumigants Cylinder Paint Hood C-11	Dow Custom Design Spray Booth, air atomized sprayer, Binks HVLP spray guns	
309	Heat Transfer Operation – Other (exempt 2-1-114.1.2)	Natural Gas Fired	2.6 MMbtu/hour
311	Fumigants Gas Cylinder Handling Area C-9	DeVilbiss Hood	
312	Fumigants Cylinder Valve Removal Area Dow C-8	Westinghouse AX1HC	
314	Fumigants Paint Booth F-2	Dow Custom Design Spray Booth, air atomized sprayer, Binks HVLP spray guns	
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
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
345	T-1 Vikane Plant—Storage Tank	Fixed Roof Tank, bottom/submerged fill	400 gallons
346	T-241 Trifluoro Storage	Fixed Roof Tank, bottom/submerged fill	400 gallons

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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
372	T-20 in Block 560	Fixed Roof Tank, bottom/submerged fill	500380 gallons
<u>373</u>	<u>Dowtherm Heat Exchange Fluid Storage (exempt 2-1-123.3.2)</u>	<u>Pressure Tank</u>	<u>360 gallons</u>
<u>375</u>	<u>Heat Transfer Operation – Other (exempt 2-1-114.1.2)</u>	<u>Natural Gas Fired</u>	<u>1 MMBtu/hour</u>
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
<u>393</u>	<u>T-121 Water Storage (exempt 2-1-123.2)</u>	<u>Fixed Roof Tank</u>	<u>20,000 gallons</u>
400	Experimental Thermal Oxidizer R-901	Custom Design, tube fired boiler, burning natural gas and liquid waste	12,300,000 BTU/hour
<u>401</u>	<u>B-901 Acid Adsorber, Hydrochloric Acid</u>	<u>Custom Design HCl absorber</u>	
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
<u>421</u>	<u>T-368 Latex Plant Process Recycle Tank</u>	<u>Pressure Tank, bottom/submerged fill</u>	
<u>423</u>	<u>T-301 Sym-Tet Partially Chlorinated Heterocyclics Storage (exempt)</u>	<u>Fixed Roof Tank</u>	<u>15,500 gallons</u>
<u>424</u>	<u>T-302 Sym-Tet Partially Chlorinated Heterocyclics Storage (exempt)</u>	<u>Fixed Roof Tank</u>	<u>15,500 gallons</u>
<u>425</u>	<u>T-303 Sym-Tet Partially Chlorinated Heterocyclics Storage (exempt)</u>	<u>Fixed Roof Tank</u>	<u>15,500 gallons</u>
<u>426</u>	<u>T-304 Sym-Tet Partially Chlorinated Heterocyclics Storage (exempt)</u>	<u>Fixed Roof Tank</u>	<u>15,500 gallons</u>
428	H-300 Sym-Tet Processing (exempt per 2-1-123.3.2)	Dow Custom Design, 25 feet X 15 feet	
<u>429</u>	<u>T-130A Environmental Services</u>	<u>Pressure Tank, bottom/submerged fill</u>	<u>26,600 gallons</u>
431	Carbon Tetrachloride Pressure Vessel D-260A	Pressure Tank, part splash/part submerged fill	36,625 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
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 (exempt)	Pressure Tank	15,500 gallons
440	T-164 Sym-Tet Partially Chlorinated Heterocyclics (exempt)	Fixed Roof Tank	50,000 gallons
441	T171E Sym-Tet Partially Chlorinated Heterocyclics (exempt)	Pressure Tank	736 gallons
442	T-171C Sym-Tet Partially Chlorinated Heterocyclics (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	285,000,000 BTU/hour
446	Sym-Tet Plant	Chemical Reactors, Columns, Tanks, and Compressors	
447	T-774	Fixed Roof Tank, part splash/part submerged fill	987,000 gallons
448	H-200 Sym-Tet (<u>exempt per 2-1-123.3.2</u>)	Dow Custom Design, Separation/purification	0.31 tons/hour
449	T-30 HCl	36% HCl	500 gallons
450	T-32A Sodium Hydroxide Storage (exempt 2-1-123.2)	Fixed Roof Tank	25,000 gallons
451	T-32B Sodium Hydroxide Storage (exempt 2-1-123.2)	Fixed Roof Tank	25,000 gallons
454	Vikane Plant Registration 25722	Reactors, tanks, columns	
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	Pfaudler	
462	Plant 663 R-402 Reactor	Pfaudler	
463	Plant 663 F-403 Separator	Tolhurst Batch-O-Matic 48 inches X 30 inches	
464	Plant 663 D-413 Dryer	Rotary Dryer, 3 feet diameter X 10 feet	

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
<u>465</u>	<u>Plant 663 D-413 Dryer</u>	<u>Rotary Dryer, 3 feet diameter X 10 feet</u>	
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	<u>67 tons/hour 10,075 gallons/hour</u>
<u>483</u>	<u>Carbon Tetrachloride Rail Car Loading</u>	<u>Rail cars up to 15,000 gallons capacity</u>	<u>4,400 gallons/hour</u>
<u>489</u>	<u>B-100 Latex Still</u>	<u>Dow Custom Design, distillation column</u>	
<u>490</u>	<u>B-310 Partial Condenser</u>	<u>Dow Custom Design, spray tower</u>	
<u>491</u>	<u>T-363</u>	<u>Pressure Tank, bottom/submerged fill</u>	
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	<u>139,390</u> 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
<u>506</u>	<u>T-404 Storage Tank Environmental Services</u>	<u>Pressure Tank, nitrogen-blanketed, bottom/submerged fill</u>	<u>51,600 gallons</u>
<u>507</u>	<u>Latex Plant Reactor R-100</u>	<u>Pfaudler Reactor</u>	
<u>509</u>	<u>T-20 T-Dodecyl Mercaptan Storage (exempt 2-1-123.3.2)</u>	<u>Pressure Tank</u>	<u>10,000 gallons</u>
<u>515</u>	<u>T-16A Anhydrous Hydrochloric Acid Storage (exempt 2-1-123.3.1)</u>	<u>Pressure Tank</u>	<u>2,600 gallons</u>
<u>516</u>	<u>T-16B Anhydrous Hydrochloric Acid Storage (exempt 2-1-123.3.1)</u>	<u>Pressure Tank</u>	<u>2,600 gallons</u>
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	<u>2,400,276</u> gallons
<u>531</u>	<u>T410C Storage Tank Tote</u>	<u>Fixed Roof Tank, bottom/submerged fill</u>	<u>630 gallons</u>

II. Equipment

Table II A - Permitted Sources

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S-#	Description	Make or Type and Model	Capacity
<u>532</u>	<u>T410D Storage Tote Tank</u>	<u>Fixed Roof Tank, bottom/submerged fill</u>	<u>630 gallons</u>
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	<u>128,0800</u> gallons
580	T-3A Specialty Chemicals Storage Tank	Pressure Tank, part splash/part submerged fill	4,000 gallons
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, <u>64</u> 00 gallons
583	T-200 Specialty Chemicals Storage Tank	Pressure Tank, bottom/submerged fill	15, <u>64</u> 00 gallons
<u>584</u>	<u>Drum Stations, Perchlorinated Heterocyclics (exempt)</u>		
<u>586</u>	<u>T-371 Recycle Tank</u>	<u>Pressure Tank, bottom/submerged fill</u>	<u>2,700</u> gallons
<u>587</u>	<u>Tank Truck Loading at Latex for Recycle Styrene</u>	<u>Dow Custom Design, 1 nozzle with Kamvaloc fittings, 1 pump, submerged fill</u>	<u>100</u> gallons/minute
<u>588</u>	<u>Drum Filling Station</u>	<u>GEA/TILL Custom Design</u>	
<u>589</u>	<u>Product Recovery Tank T-203</u>	<u>Fixed Roof Tank, bottom/submerged fill</u>	<u>100</u> gallons
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	
<u>602</u>	<u>Bulk Plant (truck/rail), Partially Chlorinated Heterocyclics (exempt)</u>	<u>Bottom Submerged Fill</u>	
604	Truck Loading Facility Plant 640	Dow Custom Design, 1 loading arm, 1 pump, submerged fill	
<u>606</u>	<u>T-602 Partially Chlorinated Heterocyclics Storage (exempt)</u>	<u>Pressure Tank</u>	<u>11,060</u> gallons
607	T-1904 Plant 640	Pressure Tank, part splash/part submerged fill	8, <u>253000</u> gallons
<u>609</u>	<u>Acetone Truck Loading 720 Rack</u>	<u>Dow Custom Design, 1 loading arm, 1 pump, submerged fill</u>	<u>300</u> gallons/minute
<u>618</u>	<u>Cooling Tower, Water (exempt 2-1-128.4)</u>		<u>6,200</u> gpm
620	HCl Truck Loading Operation	Dow Custom Design, 1 loading arm, 1 pump, splash fill	300 <u>gpm</u> gallons/minute

II. Equipment

Table II A - Permitted Sources

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S-#	Description	Make or Type and Model	Capacity
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+50 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
638	Truck Mounted Bulk Transportable Pressure Tank X-205	Pressure Tank, part splash/part submerged fill	5,100 gallons
641	T-440 Groundwater Treatment Plant Decant Tank	Pressure Tank, bottom/submerged fill	5,260 gallons
644	T-34A 36% Hydrochloric Acid Storage Tank	Fixed roof tank, bottom fill	25,000 gallons
645	T-34B, 36% 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

II. Equipment

Table II A - Permitted Sources

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S-#	Description	Make or Type and Model	Capacity
674	H-350 Chlorinated Pyridine Purification Storage (exempt)	Dow custom design	
675	Carbon Tetrachloride Railear Storage	Pressurized Rail Car, part splash/part submerged fill	20,000 gallons
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
682	B-250 Groundwater Treatment Plant Air Stripper	Dow Custom Design, air stripper, 250-sefm	100 gallons/minute groundwater
683	D-110A Storage Vessel	Pressure Tank, submerged fill, insulated	10,000 gallons
684	Dowicil Packaging System	Dow Custom Design	
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
703	Degreaser (Cold Cleaner), Methylated Siloxane (exempt 2-1-118.4)		
704	Acrylonitrile Storage Tank D120-A	FUTURE Source — Pressure tank	37,200 gallons
705	Shot Blast Unit	Steel shot, 2 min/batch	32 pounds/hour
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

II. Equipment

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S-#	Description	Make or Type and Model	Capacity
709	DMT Standby Generator 471A	226 in3 displacement, Propane	58 hp
710	Onan Standby Generator <u>(exempt per 2-1-114.2.1)</u>	210 in3 displacement, Diesel fuel	<u>502</u> hp
711	Onan Standby Generator	239 in3 displacement, Diesel fuel	86 hp
712	Sulfuryl Fluoride Plant	FUTURE source—Dow custom design, 2 reactors, 2 columns, heat exchangers, in-process tanks	
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	3,140 gallons
726	Dipropylene Glycol Monomethyl Ether Storage	Fixed Roof Tank	8,883 gallons
727	Gel Phase Mix Tank	Fixed Roof Tank	1,600 gallons
728	T-20 Ethylene Diamine Storage	Fixed Roof Tank	9,987 gallons
729	Dipropylene Glycol Monomethyl Ether Storage	Fixed Roof Tank	8,496 gallons
730	Dipropylene Glycol Monomethyl Ether Storage	Fixed Roof Tank	80,000 gallons
731	Dipropylene Glycol Monomethyl Ether Storage	Fixed Roof Tank	80,000 gallons
732	T-16 Storage Tank, Water/Organics Mixture	Fixed Roof Tank	13,500 gallons
733	T-216 Product Check Tank	Fixed Roof Tank	11,500 gallons

II. Equipment

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S-#	Description	Make or Type and Model	Capacity
734	N-Serve TG Isotainer	Isotainer Tank	4,600 gallons
735	(T-751) Proxell Tote	Tote	376 gallons
1011	Auxiliary Boiler	Foster Wheeler, AG 5275, Natural Gas Fired	307 MMbtu/hour
N/A	Fugitive Components	Compressors, pumps, valves, flanges, pressure relief devices	

II. Equipment

Table II B – Abatement Devices

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

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
42	B-368 Latex Plant Styrene Scrubber —packed bed scrubber	S-198, S-199, S-226, S-421, S-489, S-490, S-491, S-507, S-586	BAAQMD 8-36-301 Condition 4002 Condition 16610	Styrene scrubber concentration	POC \leq 10 lbs/day or abated \geq 95% Styrene \leq 346 lbs/day, prior to abatement Emissions vented to S-336 or S-389 \geq 90% of Latex Plant operating time. When unabated, styrene scrubber concentration \geq 80%, weight.
46	B-7 Caustic Scrubber at Vikane— packed bed scrubber	S-268, S-269, S-454	BAAQMD 6-301 6-310 6-311 9-1-302 Condition 18128	Caustic concentration	Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr 300 ppm SO ₂ HCl: 99% control by weight or emit \leq 0.0023 lbs/hour. HF: 97% control by weight or emit \leq 0.59 lbs/hour. Other acids: 99% control by weight or emit \leq 0.025 lbs/hour. For SO ₂ : 99% control by weight or emit \leq 0.61 lbs/hour. caustic \geq 2% by weight

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
54	B-15 Demister –mist eliminator, spray/irrigated	S-336 (A-21 upstream)	BAAQMD 6-301 6-310 6-311 Condition 6859		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr
55	Maintenance – packed bed scrubber	S-286	BAAQMD 6-301 6-310 6-311		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr
72	B-16 Caustic Scrubber – packed bed scrubber	S-336 (A-21 upstream)	BAAQMD 6-301 6-310 6-311 Condition 6859		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr
74	B-502 Caustic Scrubber – packed bed scrubber	S-389 (A-94 upstream)	BAAQMD 6-301 6-310 6-311 Condition 2039		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr
75	X-505 Particulate Scrubber – preformed spray scrubber	S-389 (A-74 upstream)	BAAQMD 6-301 6-310 6-311 Condition 2039		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr
76	B-503A Carbon Adsorber – activated carbon adsorption	S-389 (A-75 upstream)	BAAQMD 8-1-110.3/8-2-301 Condition 2039		
77	R-502 Nonselective Catalytic Reduction Unit	S-389 (A-76, A-80 upstream)			
79	Packed Scrubber B-902 – packed bed scrubber	<u>A-400 (S-400)</u> , S-402, S-504, S-505, S-530	BAAQMD 6-301 6-310 6-311 Condition 2213		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr
80	B-503B Carbon Adsorber – activated carbon adsorption	S-389 (A-75 upstream)	BAAQMD 8-1-110.3/8-2-301 Condition 2039		

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
85	B-102 Absorber – packed bed scrubber	S-44, S-434, S-446, S-454, S-516 (exempt), S-517 (exempt), S-576 (A-87 upstream)	BAAQMD 6-301 6-310 6-311 8-2-301 9-1-302 Condition 17985		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr 15 lbs/day & 300ppm carbon 300 ppm SO2 No detectable leaks in piping.
86	B-14 A & B Karbate Acid Absorber – vapor recovery	S-336	BAAQMD 6-301 6-310 6-311 Condition 6859		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr
87	HCl Absorber/Heat Exchanger, H-109 – vapor recovery	S-44, S-434, S-446, S-454, S-516 (exempt), S-517 (exempt), S-576	BAAQMD 6-301 6-310 6-311 8-2-301 9-1-302 Condition 17985		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr 15 lbs/day & 300ppm carbon 300 ppm SO2 No detectable leaks in piping.
88	B-106 Sym-Tet Scrubber – packed bed scrubber	S-44, S-446, S-630	BAAQMD 6-301 6-310 6-311 8-2-301		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr 15 lbs/day & 300 ppm carbon
89	X-3 Emergency Venturi at N-Serve/Sym-Tet – venturi scrubber	S-44, S-446	BAAQMD 6-301 6-310 6-311 8-2-301		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr 15 lbs/day & 300 ppm carbon

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
90	H-30 Acid Absorber – vapor recovery by absorption	S-454	BAAQMD 6-301 6-310 6-311 9-1-302 Condition 18128		Ringelmann 1 0.15 gr/dscf 4.10 P^{0.67} lb/hr 300 ppm SO₂ Combined HCl removal efficiency of ≥ 99.99% by wt or emissions from A-91 ≤ 0.068 lbs/hr
91	B-30 Absorber – vapor recovery by absorption	S-449, S-454 (A-90 upstream)	BAAQMD 6-301 6-310 6-311 9-1-302 Condition 18128	Temperature	Ringelmann 1 0.15 gr/dscf 4.10 P^{0.67} lb/hr 300 ppm SO₂ Combined HCl removal efficiency of ≥ 99.99% by wt or emissions from A-91 ≤ 0.068 lbs/hr
94	B-501 Acid Absorber – packed bed scrubber	S-389	BAAQMD 6-301 6-310 6-311 Condition 2039		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr
95	F-413 Bag Filter – reverse jet baghouse	S-464	BAAQMD 6-301 6-310 6-311 Condition 1359		Ringelmann 1 0.15 gr/dscf 4.10 P^{0.67} lb/hr
96	B-405 Acid Absorber & Tails Tower – vapor recovery	S-461, S-462	BAAQMD 6-301 6-310 6-311 8-2-301		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr 15 lbs/day & 300 ppm carbon

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
97	B-201 Organic Scrubber – packed bed scrubber	S-474 , S-476	BAAQMD 6-301 6-310 6-311 8-2-301		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr 15 lbs/day & 300 ppm carbon
98	B-202 Reactor Vent Scrubber – packed bed scrubber	S-474	BAAQMD 6-301 6-310 6-311 8-2-301		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr 15 lbs/day & 300 ppm carbon
99	B-203 Scrubber – packed bed scrubber	S-474 (A-98 upstream), then routed to S-694	BAAQMD 6-301 6-310 6-311 8-2-301		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr 15 lbs/day & 300 ppm carbon
100	B-230 Scrubber – packed bed scrubber	S-474, S-476 (A-97 upstream)	BAAQMD 6-301 6-310 6-311 8-2-301		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr 15 lbs/day & 300 ppm carbon
101	H-205 Falling Film Absorber – vapor recovery by absorption	S-474 (A-99 upstream)	BAAQMD 6-301 6-310 6-311 8-2-301		Ringelmann 1 0.15 gr/dscf 4.10 P^{0.67} lb/hr 15 lbs/day & 300 ppm carbon
102	B-206 Scrubber – vapor recovery by absorption	S-474 (A-101 upstream)	BAAQMD 6-301 6-310 6-311 8-2-301		Ringelmann 1 0.15 gr/dscf 4.10 P^{0.67} lb/hr 15 lbs/day & 300 ppm carbon
114	Vacuum System with Condenser – Condenser	S-4654 (A-95 upstream)	BAAQMD 6-301 6-310 6-311 Condition 232504359		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
<u>121</u>	<u>In-Process Technology Thermal Abatement Device—high temperature-packed bed</u>	<u>S-504, S-505, S-625</u>	<u>BAAQMD 8-2-301 Condition 2213</u>	<u>Temperature</u>	<u>15 lbs/day & 300 ppm carbon 99.0% wt organic-DRE, 3 hr ave.—unless emissions vented through S-400. Temp ≥ 1800 degF. residence time ≥ 1 second if organic gases are being processed.</u>
<u>125</u>	<u>Vapor Recovery System</u>	<u>S-321, S-322, S-323, S-324, S-535 (A-336 downstream)</u>	<u>BAAQMD 6-301 6-310 6-311 8-2-301</u>		<u>Ringelmann 1 0.15 gr/dscf 4.10 P^{0.67} lb/hr 15 lbs/day & 300 ppm carbon</u>
<u>139</u>	<u>Venturi Scrubber</u>	<u>S-584</u>	<u>BAAQMD 6-301 6-310 6-311 Condition 3500</u>		<u>Ringelmann 1 0.15 gr/dscf 4.10 P^{0.67} lb/hr</u>
140	Specialty Chemicals Pressure Storage Tanks Vapor Balance System – vapor balance	S-580, S-581, S-582, S-583	Condition 3195		
<u>141</u>	<u>Vapor Balance System for Latex, Recycle Styrene Truck Loading—vapor balance</u>	<u>S-587 (to S-586)</u>	<u>Condition 4002</u>		
<u>142</u>	<u>Vapor Balance System from Drum Filling Station to Truck Mount Bulk Pressure Vessel—vapor balance</u>	<u>S-588, except for Lorsban 4E-HF (to S-638)</u>	<u>Condition 3712</u>		
<u>144</u>	<u>Vapor Balance for DCP Unloading</u>	<u>S-5</u>	<u>BAAQMD 8-6-302.1 8-6-304 8-6-305 Condition 11276</u>		
146	B-3000 Scrubber – packed bed scrubber	S-593, S-606	BAAQMD 8-2-301		15 lbs/day & 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 (A-146, A-148 upstream)	BAAQMD 8-2-301 Condition 4780		15 lbs/day & 300 ppm carbon Combined POC emissions from A-147 and A-149 ≤ 8 lbs/day Combined emissions of 4-amino, 3,5 – dichloro 2,6-difluoro pyridine ≤ 0.02 lbs/day 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 8-2-301		15 lbs/day & 300 ppm carbon
149	B-1303 Packed Column – packed bed scrubber	S-595	BAAQMD 8-2-301 Condition 4780		15 lbs/day & 300 ppm carbon Combined POC emissions from A-147 and A-149 ≤ 8 lbs/day Combined emissions of 4-amino, 3,5 – dichloro 2,6-difluoro pyridine ≤ 0.02 lbs/day Combined ammonia emissions ≤ 0.02 lbs/day and outlet concentration ≤ 200 ppm.

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
150	Vapor Balance System for Styrene Tank Truck Loading—vapor balance	S-5 (to S-25)	BAAQMD 8-6-302.1 8-6-304 8-6-305 Condition 11276		0.34 lbs/mgal 0.17 lbs/mgal
151	Vapor Balance System for Styrene Railcar Unloading—vapor balance	S-25	BAAQMD 8-6-302.1 8-6-304 8-6-305 Condition 5377		0.34 lbs/mgal 0.17 lbs/mgal
153	Vapor Balance System for Dowanol PM Tank Truck Loading – vapor balance	S-6	Condition 11276		
154	Vent Recovery System H-320A&B, T-320 – water cooled Condenser	S-48, S-49, S-428, S-448	BAAQMD 8-1-110.3 Condition 5148	Pressure drop Temperature	VOC abated ≥ 85% by weight and ≥ 90% of organic carbon oxidized to CO2 VOC control ≥ 85% weight or emit ≤ 15 lbs/day carbon Vapor stream temperature exiting Heat Exchanger ≤ 140 degF
155	Vapor Return for Truck Loading Facility – vapor balance	S-602 (vents to S-606)	BAAQMD 8-6-110		TVP of materials ≤ 0.5 psia
157	Vapor Return for Truck Loading Facility – vapor balance	S-604 (to S-607)	BAAQMD 8-6-110		TVP of materials ≤ 0.5 psia
161	Sorbathene for Acetone Truck Loading—activated carbon adsorption	S-609	BAAQMD 8-6-302.1 8-6-305 Condition 5180		0.34 lbs/mgal Capture efficiency ≥ 95% weight; POC emissions after abatement ≤ 0.35 lbs/1000 gallons

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
165	HCl Truck Loading Scrubber System – packed bed scrubber	S-620	BAAQMD 6-301 6-310 6-311 Condition 4945		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} 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 6-301 6-310 6-311 8-2-301 Condition 5385		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr 15 lbs/day & 300 ppm carbon
175	Utilities T-24 Scrubber – packed bed scrubber	S-40	BAAQMD 6-301 6-310 6-311		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr
177	Container Loading Vapor Balance Line – vapor balance	S-588, except for Lorsban 4E-HF (to S-638)	Condition 3712		
179	X-39/B-39 Scrubber System – packed bed and venturi scrubbers	S-644, S-645, S-646 (A-180 upstream)	BAAQMD 6-301 6-310 6-311 Condition 7775		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr
180	HCl Tank Truck Loading Vapor Return Line – vapor balance	S-646	BAAQMD 6-301 6-310 6-311 Condition 7775		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr
181	B-278 Packed Bed Column – packed bed scrubber	S-648, S-649, S-650, S-651, S-652	BAAQMD 6-301 6-310 6-311 Condition 8894		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} 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 6-301 6-310 6-311 Condition 8894		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
184	ME 290A/B Carbon Beds—activated carbon adsorption	S-648, S-649, S-650, S-651, S-652 (A-182 upstream)	BAAQMD 6-301 6-310 6-311 8-2-301 Condition 8894		Ringelmann 1 0.15 gr/dscf 4.10 P^{0.67} lb/hr 15 lbs/day & 300 ppm carbon VOC concentration > 10 ppmv, S-648 must be shutdown or abated by S-336.
185	Eagle Containment Screens – shrouds	S-654	BAAQMD 6-301 6-310 6-311		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr
191	CCl4 Tank Truck Loading Vapor Return Line – vapor balance	S-681	BAAQMD 8-6-302.1 8-6-304 8-6-305 Condition 14354		0.34 lbs/mgal 0.17 lbs/mgal
192	Vent Recovery System – vapor recovery by refrigeration	S-302, S-303, S-662, S-663, S-664	BAAQMD 8-2-301 Condition 14438		15 lbs/day & 300 ppm carbon
193	Cartridge Dust Collector System— pulse jet baghouse	S-684	BAAQMD 6-301 6-310 6-311 Condition 15944	Backpressure	Ringelmann 1 0.15 gr/dscf 4.10 P^{0.67} lb/hr
194	X-600 Venturi Scrubber - 2300 ACFM	S-693	BAAQMD 6-301 6-310 6-311 Condition 15932	Caustic circulation rate	Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr 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 6-301 6-310 6-311 Condition 15932	Caustic circulation rate	Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr Alkali solution circulation rate ≥ 50 gal/min when S-694 processing organics.
197	B-4 Caustic Scrubber – packed bed scrubber	S-268, S-269, S-454	BAAQMD 6-301 6-310 6-311 9-1-302 Condition 18128	Caustic concentration	Ringelmann 1 0.15 gr/dscf 4.10 P^{0.67} lb/hr 300 ppm SO₂ HCl: 99% control by weight or emit ≤ 0.0023 lbs/hour. HF: 97% control by weight or emit ≤ 0.59 lbs/hour. Other acids: 99% control by weight or emit ≤ 0.025 lbs/hour. For SO₂: 99% control by weight or emit ≤ 0.61 lbs/hour. caustic ≥ 2% by weight
198	Dust Collector – Wheelabrator #44 Mod 36 WCC	S-705	BAAQMD 6-301 6-310 6-311 Condition 17683		Ringelmann 1 0.15 gr/dscf 4.10 P^{0.67} lb/hr

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
199	Manufacturing Services Scrubber B-12 - Dow Design 26inch I.D. X 12feet Packed Bed Caustic Scrubber	S-4, S-434, S-446 , S-454, S-576 (A-85, A-87 upstream)	BAAQMD 6-301 6-310 6-311 8-2-301 Condition 17985	Caustic concentration	Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr 15 lbs/day & 300 ppm carbon Caustic ≥ 1% by weight
200	Sootlifter - Mine - X Sootlifter	S-706	Condition 18317		
201	Future Abatement Device: Venturi Scrubber X-100	S-311, S-312, S-712	BAAQMD 6-301 6-310 6-311 9-1-302 Condition 20302 Condition 20303	Water flowrate	Ringelmann 1 0.15 gr/dscf 4.10 P^{0.67} lb/hr 300 ppm SO₂ Combined control efficiency ≥ 98.5% for sulfuryl fluoride and 99.98% for all other pollutants Water flowrate ≥ 145 gal/minute
202	Future Abatement Device: Caustic Scrubber B-105	S-712	BAAQMD 6-301 6-310 6-311 9-1-302 Condition 20303	Caustic flowrate Caustic pH	Ringelmann 1 0.15 gr/dscf 4.10 P^{0.67} lb/hr 300 ppm SO₂ Combined control efficiency ≥ 98.5% for sulfuryl fluoride and 99.98% for all other pollutants Caustic flowrate ≥ 50 gal/minute PH ≥ 8

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
<u>203</u>	<u>Future Abatement Device: Carbon Adsorber, 8000 lbs carbon, 5000 cfm</u>	<u>S-308</u>	<u>Condition 20301</u>	<u>Organic concentration</u>	<u>8000 lbs carbon NMOC \leq 7 ppmv, as propane after 1450 gallons coating applied since last carbon change</u>
<u>204</u>	<u>Future Abatement Device: Sulfuryl Fluoride Recovery System</u>	<u>S-311, S-312</u>	<u>Condition 20302</u>	<u>Coolant pressure</u>	<u>Coolant pressure \leq 101 psia</u>
<u>205</u>	<u>R-503 Carbon Monoxide Scrubber</u>	<u>S-389, (A-74, A-75, A-76, A-80, A-77, A-147, A-149 upstream)</u>	<u>Condition 2039</u>		<u>CO shall not exceed 250 ppm @ 3% O₂.</u>
<u>206</u>	<u>ME-3220 Backup Carbon Adsorber</u>	<u>S-594, S-595, S-604, S-607, (A-147, A-149 upstream)</u>	<u>Condition 4780</u>		<u>POC emissions from the MEI plant do not exceed 8 pounds per day, averaged over each calendar month.</u>

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-198, S-199, S-226, S-302, S-303, S-321, S-322, S-323, S-324, S-421, S-431 and S-432 if not operated as pressure vessels, S-434, S-482, S-489, S-490, S-491, S-492, S-506, S-507, S-521, S-531 and S-532 vents, S-535, S-586, 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-682, S-701 (A-42, A-125, A-180, A-182 upstream)	BAAQMD 6-301 6-310 6-311 8-2-301 Condition 2501	Temperature Liquid feedrate	Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr 15 lbs/day & 300 ppm carbon

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
-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-198 , S-199 , S-226 , S-302, S-303, S-421 , S-446, S-482, S-489 , S-490 , S-491 , S-507 , S-519, S-520, S-521, S-531 , S-532 , S-586 , S-641, S-662, S-663, S-664, S-682 (A-42 , S-192 upstream)	BAAQMD 6-301 6-310 6-311 8-2-301 Condition 2039	Temperature Oxygen Liquid feedrate	Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr 15 lbs/day & 300 ppm carbon
-400	Experimental Thermal Oxidizer R-901	S-372, S-504, S-505, S-625	BAAQMD 8-2-301 Condition 2213	Temperature	15 lbs/day & 300 ppm carbon 800 degrees C
401	Acid Absorber, B-901	S-402, S-504, S-505, S-625 (A-121 upstream)	BAAQMD 6-301 6-310 6-311 Condition 2213 Condition 5147		Ringelmann 1 0.15 gr/dscf 4.10 P ^{0.67} lb/hr
<u>1011</u>	<u>Selective Catalytic Reduction System</u>	<u>S-1011</u>	<u>BAAQMD</u> <u>Condition</u> <u>#19356, part 3</u>		<u>9 ppmvd NO_x</u> <u>@</u> <u>3% O₂, averaged</u> <u>over 3 hours</u>

II. Equipment

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 Towers			
	Internal Combustion Engines			<50 hp, diesel

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.

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 <http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions.included+at+the+end+of+this+permit>.

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.

**Table III
 Generally Applicable Requirements**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (5/4/112/01)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (3/4/098/4/01)	N
BAAQMD 2-1-429	Federal Emissions Statement (12/21/046/7/95)	Y
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y
SIP Regulation 2-1-429	Federal Emissions Statement (4/3/95)	<u>Y</u>
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N

III. Generally Applicable Requirements

**Table III
 Generally Applicable Requirements**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y
BAAQMD Regulation 5	Open Burning (7/9/083/6/02)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6, <u>Rule 1</u>	Particulate Matter, <u>General Requirements and Visible Emissions</u> (12/5/0749/90)	Y
<u>SIP Regulation 6</u>	<u>Particulate Matter and Visible Emissions</u> (9/4/98)	<u>Y</u>
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 (7/20/056/15/94)	Y
<u>SIP Regulation 8, Rule 2</u>	<u>Organic Compounds – Miscellaneous Operations</u> (<u>3/22/95</u>)	<u>Y</u>
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (7/01/0911/21/01)	N
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (<u>1/2/042/18/98</u>)	Y
BAAQMD Regulation 8, Rule 4	Organic Compounds - General Solvent and Surface Coating Operations (10/16/02)	Y
<u>SIP Regulation 8, Rule 4</u>	<u>Organic Compounds – General Solvent and Surface Coating Operations</u> (<u>12/23/97</u>)	<u>Y</u>
BAAQMD Regulation 8, Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (<u>6/1/949/16/87</u>)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (<u>6/15/0512/15/99</u>)	Y
<u>SIP Regulation 8, Rule 40</u>	<u>Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks</u> (<u>4/19/01</u>)	<u>Y</u>
BAAQMD Regulation 8, Rule 47	Organic Compounds – Air Stripping and Soil Vapor Extraction Operations (<u>6/15/056/15/94</u>)	Y
<u>SIP Regulation 8, Rule 47</u>	<u>Organic Compounds - Air Stripping and Soil Vapor Extraction Operations</u> (<u>4/26/95</u>)	<u>Y</u>
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

III. Generally Applicable Requirements

**Table III
 Generally Applicable Requirements**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
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 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 Y
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
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 (7/20/04/49/95)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (4/13/05/21/95)	
Subpart F, 40 CFR 82.156	Recycling and Emissions Reductions – Required Practices Leak Repair	Y
Subpart F, 40 CFR 82.161	Recycling and Emissions Reductions – Technician Certification Certification of Technicians	Y
Subpart F, 40 CFR 82.166	Recycling and Emissions Reductions – Reporting and Recordkeeping Requirements Records of Refrigerant	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:

<http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions>, ~~included at the end of this permit.~~ 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
BAAQMD Regulation 1	General Provisions and Definitions (5/4/115/2/01)		
1-107	Combination of Emissions	<u>N</u>	
1-301	Public Nuisance	<u>N</u>	
1-523	Parametric Monitoring and Recordkeeping Procedures	<u>N</u>	
SIP Regulation 1	General Provisions and Definitions (6/28/99)		
1-107	Combination of Emissions	<u>Y</u>	
1-523	Parametric Monitoring and Recordkeeping Procedures	<u>Y</u>	
BAAQMD Regulation 8 Rule 5	Organic Compounds - STORAGE OF ORGANIC LIQUIDS (10/18/06)		
8-5-328	Tank Degassing Requirements	<u>N</u>	
8-5-331	Tank Cleaning Requirements	<u>N</u>	
8-5-332	Sludge Handling Requirements	<u>N</u>	

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
8-5-501	Records	<u>N</u>	
8-5-502	Source Test Requirements	<u>N</u>	
SIPBAAQMD Regulation 8, Rule 5	Organic Compounds – Storage of Organic Liquids (11/27/02)		
8-5-328	Tank Degassing Requirements	Y	
8-5-501	Records	<u>Y</u>	
8-5-502	Tank Degassing Annual Source Test Requirement	Y	
BAAQMD Regulation 8, Rule 9	Organic Compounds – Vacuum Producing Systems (7/20/83)		
8-9-301	Vacuum Producing Systems	Y	
BAAQMD Regulation 8, Rule 10	Organic Compounds – Process Vessel Depressurization (1/21/04)		
8-10-301	Process Vessel Depressurizing	<u>N</u>	
8-10-302	Opening of Process Vessels	<u>N</u>	
SIPBAAQMD Regulation 8, Rule 10	Organic Compounds – Process Vessel Depressurization (10/3/84/20/83)		
8-10-301	Process Vessel Depressurizing	Y	
40 CFR 60 Subpart A	Standards of Performance for New Stationary Sources (5/16/07): General Provisions	<u>Y</u>	
60.4(b)	Reports to EPA and District	<u>Y</u>	
60.7	Notification and record keeping	<u>Y</u>	
60.8	Performance Tests	<u>Y</u>	
60.9	Availability of Information	<u>Y</u>	
60.11	Compliance with standards and maintenance requirement	<u>Y</u>	
60.12	Circumvention	<u>Y</u>	
60.13	Monitoring Requirements	<u>Y</u>	
60.19	General notification and reporting requirements	<u>Y</u>	
NESHAP Title 40 CFR Part 63, Subpart A	National Emission Standards for Hazardous Air Pollutants for Source Categories, General Provisions of MACT Standards (03/16/94)		
40 CFR -63.1	Applicability	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 63.2	Definitions	Y	
63.3	<u>Units and Abbreviations</u>	<u>Y</u>	
40 CFR 63.4	Prohibited activities and circumvention	Y	
40 CFR 63.5	Construction and Reconstruction	Y	
40 CFR 63.6	Compliance with standards and maintenance requirements	Y	
40 CFR 63.7	Performance testing requirements	Y	
40 CFR 63.8	Monitoring requirements	Y	
40 CFR 63.9	Notification requirements	Y	
40 CFR 63.10	Record keeping and reporting requirements	Y	
40 CFR 63.11	Control Device Requirements	Y	
40 CFR 63.12	State Authority and Delegations	Y	
40 CFR 63.13	Addresses of EPA Regional Offices	Y	
40 CFR 63.14	Incorporation by Reference	Y	
40 CFR 63.15	Availability of Information and confidentiality	Y	
40 CFR 63	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		
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	<u>8/13/05</u>
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 (4/17/2003)	<u>Y</u>	
40 CFR, Part 63, Subpart MMM	National Emission Standards for Hazardous Air Pollutants: Pesticide Active Ingredient (6/23/1999)	<u>Y</u>	
40 CFR, Part 63, Subpart EEEE	National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline) (2/3/2004)	Y	compliance by 2/5/2007
40 CFR, Part 63, Subpart EEE	National Emission Standards for Hazardous Air Pollutants: Hazardous Waste Combustor (9/30/1999)	<u>Y</u>	
40 CFR, Part 63, Subpart FFFF	National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing (11/10/2003)	Y	compliance by 11/10/2006 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) (1/30/2013)	<u>Y</u>	See 63.6595(b)
40 CFR, Part 63, Subpart GGGG	National Emission Standards for Hazardous Air Pollutants: Site Remediation (10/8/2003)	Y	63.7883(d)e compliance by 10/9/2006
40 CFR Part 63 Subpart VVVVVV	National Emissions Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources (12/21/2012),	<u>Y</u>	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 (10/22/1997)	Y	

**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**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/2/04)		
1-304	Public Nuisance	N	
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	
SIPBAAQM Regulation 6	Particulate Matter and Visible Emissions (9/4/9812/19/90)		
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-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

40 CFR, Part 63, Subpart NNNNN	National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4/17/2003). See MACT Summary Tables at End of Section IV.	Y	compliance by 4/17/2006
BAAQMD Condition #17985			
Part 1	Abatement Requirement during hydrochloric acid loading (6-310, 7-300, 2-1-403)	Y	
Part 6	pH at A-199 ≥ 8.5 and 1% by weight sodium hydroxide	Y	

Table IV-C
Source-specific Applicable Requirements
S-5, 720 Terminalized Products
[Styrene-1,3-Dichloropropene](#) Loading Abated by A-14450, Vapor Balance System
Non-Exempt Material Loading Abated by S-336 or S-389, Thermal Oxidizers
All other Exempt Material Loading - Unabated

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 6	Organic Compounds - Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)		
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	

IV. Source-specific Applicable Requirements

Table IV-C
Source-specific Applicable Requirements
S-5, 720 Terminalized Products
Styrene-1,3-Dichloropropene Loading Abated by A-14450, Vapor Balance System
Non-Exempt Material Loading Abated by S-336 or S-389, Thermal Oxidizers
All other Exempt Material Loading - Unabated

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>40 CFR, Part 63, Subpart EEEE</u>	<u>National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline) (2/3/2004), See MACT Summary Tables at End of Section IV.</u>	Y	
BAAQMD Condition #11276			
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 <u>styrene loading-1,3-dichloropropene loading</u> (Cumulative Increase voluntary limit)	<u>Y</u> 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	

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
BAAQMD Regulation 8, Rule 6	Organic Compounds - Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)		
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	

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

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	
BAAQMD Condition #11276			
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	

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
BAAQMD Regulation 8, Rule 6	Organic Compounds - Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)		
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	

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

8-6-306	Equipment Maintenance	Y	
8-6-307	Operating Practices	Y	
8-6-501	Records	Y	
8-6-503	Burden of Proof	Y	
BAAQMD Condition #11276			
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	

Table IV-F
Source-specific Applicable Requirements
S-25, Material Flow Latex Tank, T-734
Abated by A-151, Vapor Balance System for Styrene Unloading

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 (06/05/02)		
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	
BAAQMD Condition #5377			

IV. Source-specific Applicable Requirements

Table IV-F
Source-specific Applicable Requirements
S-25, Material Flow Latex Tank, T-734
Abated by A-151, Vapor Balance System for Styrene Unloading

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Abatement during Styrene Loading (voluntary limit)	N	
Part 2	Abatement required for organic materials with vapor pressure ≥ 0.5 psia (8-5-301)	Y	

Table IV-G
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
BAAQMD Regulation 8 Rule 5	Organic Compounds - STORAGE OF ORGANIC LIQUIDS (10/18/0606/05/02)		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	<u>N</u>	
8-5-112	Limited Exemption, Tanks in Operation	<u>N</u>	
8-5-301	Storage Tank Control Requirements	<u>N</u>	
8-5-306	Requirements for Approved Emission Control Systems	<u>N</u>	
<u>8-5-307</u>	<u>Requirements for Fixed Roof Tanks</u>	<u>N</u>	
8-5-328	Tank Degassing Requirements	<u>N</u>	
<u>8-5-331</u>	<u>Tank Cleaning Requirements</u>	<u>N</u>	
8-5-501	Records	<u>N</u>	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	<u>N</u>	
<u>8-5-503</u>	<u>Portable Hydrocarbon Detector</u>	<u>Y</u>	
SIP Regulation 8 Rule 5	Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/03)		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>Y</u>	
<u>8-5-112</u>	<u>Limited Exemption, Tanks in Operation</u>	<u>Y</u>	
<u>8-5-301</u>	<u>Storage Tank Control Requirements</u>	<u>Y</u>	
<u>8-5-306</u>	<u>Requirements for Approved Emission Control Systems</u>	<u>Y</u>	

IV. Source-specific Applicable Requirements

Table IV–G
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
8-5-328	Tank Degassing Requirements	<u>Y</u>	
8-5-501	Records	<u>Y</u>	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	<u>Y</u>	
8-5-503	Portable Hydrocarbon Detector	<u>Y</u>	
40 CFR, Part 60, NSPS Subpart Kb Sections:	Standards of Performance for Volatile Organic Liquid Storage Vessels (4/8/87): 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.		
60.112b(b)	Closed vent system and control device	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(e)	Testing and Procedures; Closed vent system and control device (not flare)	Y	
60.113b(e)(1)	Testing and Procedures; Closed vent system and control device (not flare) operating plan submission	Y	
60.113b(e)(1)(i)	Testing and Procedures; Closed vent system and control device (not flare) operating plan – efficiency demonstration	Y	
60.113b(e)(1)(ii)	Testing and Procedures; Closed vent system and control device (not flare) operating plan – monitoring parameters	Y	
60.113b(e)(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(e)(1)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy	Y	
60.115b(e)(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

Table IV-G
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
BAAQMD Condition #11276			
Part 1	Abatement Requirement (8-5-306)	Y	
Part 2	Vapor-tight connections (8-5-306)	Y	

IV. Source-specific Applicable Requirements

Table IV-H
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-222, Latex Plant—Hydroxyethyl Acrylate Storage, T-3~~
~~S-345, T-1 Vikane Plant—Storage Tank~~
 S-346, T-241, S-372, T-20 Block 560 Storage Tank, Abated by A-400 (S-400),
~~Experimental~~ 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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD 8-5-117</u>	<u>Limited Exemption, Low Vapor Pressure ≤ 0.5 psia</u>	<u>N</u>	
<u>SIP 8-5-117</u>	<u>Limited Exemption, Low Vapor Pressure ≤ 0.5 psia</u>	<u>Y</u>	
<u>40 CFR, Part 63, Subpart EEEE</u>	<u>National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline) (2/3/2004)</u> <u>This Only Applies To S-346 (T-241) and S-372 (T-20), See MACT Summary Tables at End of Section IV.</u>	<u>Y</u>	
BAAQMD Condition #21059			
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 – I
Source-specific Applicable Requirements
[1.5 to 11 psia, > 75 M³, 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
BAAQMD Regulation 8 Rule 5	Organic Compounds - STORAGE OF ORGANIC LIQUIDS (10/18/0606/05/02)		
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	
<u>SIP Regulation 8 Rule 5</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/03)</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>Y</u>	
<u>8-5-112</u>	<u>Limited Exemption, Tanks in Operation</u>	<u>Y</u>	
<u>8-5-301</u>	<u>Storage Tank Control Requirements</u>	<u>Y</u>	
<u>8-5-306</u>	<u>Requirements for Approved Emission Control Systems</u>	<u>Y</u>	
<u>8-5-328</u>	<u>Tank Degassing Requirements</u>	<u>Y</u>	
<u>8-5-501</u>	<u>Records</u>	<u>Y</u>	
<u>8-5-501.1</u>	<u>Type and Amount of Liquids Stored, Blanket Gases, TVP</u>	<u>Y</u>	
<u>8-5-503</u>	<u>Portable Hydrocarbon Detector</u>	<u>Y</u>	
<u>40 CFR Part 64</u>	<u>Compliance Assurance Monitoring (S-151, T-614 Terminalized Products (See CAM Table at the end of this Section))</u>	<u>Y</u>	
BAAQMD Condition # 11276			

IV. Source-specific Applicable Requirements

Table IV – I
Source-specific Applicable Requirements
[1.5 to 11 psia, > 75 M³, 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
Part 1	Abatement Requirement (8-5-306)	Y	
Part 2	Vapor-tight connections (8-5-306)	Y	

Table IV- J
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
<u>BAAQMD Regulation 6, Rule 1</u>	<u>Particulate Matter and Visible Emissions (12/5/07)</u>		
<u>6-1-301</u>	<u>Ringelmann Number 1 Limitation</u>	<u>N</u>	
<u>6-1-305</u>	<u>Visible Particles</u>	<u>N</u>	
<u>6-1-310</u>	<u>Particulate Weight Limitation</u>	<u>N</u>	
<u>6-1-311</u>	<u>General Operations</u>	<u>N</u>	
<u>6-1-401</u>	<u>Appearance of Emissions</u>	<u>N</u>	
<u>SIPBAAQMD Regulation 6</u>	<u>Particulate Matter and Visible Emissions (9/4/9812/19/90)</u>		
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- K
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
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)		
1-301	Public Nuisance	N	
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	
SIPBAAQMD Regulation 6	Particulate Matter and Visible Emissions (9/4/9812/19/90)		
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 Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (7/20/056/15/94)		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 8, Rule 10	Organic Compounds – Process Vessel Depressurization (1/21/04)		
8-10-301	Process Vessel Depressurizing	N	
8-10-302	Opening of Process Vessels	N	
SIPBAAQMD Regulation 8, Rule 10	Organic Compounds – Process Vessel Depressurization (10/3/847/20/83)		

IV. Source-specific Applicable Requirements

Table IV- K
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

8-10-301	Process Vessel Depressurizing	Y	
<u>40 CFR, Part 63, Subpart EEEE</u>	<u>National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline) (2/3/2004)</u> <u>This Only Applies To T-70 and T-74, See MACT Summary Tables at End of Section IV.</u>	<u>Y</u>	
<u>40 CFR, Part 63, Subpart FFFF</u>	<u>National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing (11/10/2003), See MACT Summary Table at End of Section IV.</u>	<u>Y</u>	<u>compliance</u> <u>by 4 years,</u> <u>6 months</u> <u>from Title</u> <u>V Renewal</u> <u>permit</u> <u>issuance</u> <u>date</u>
<u>BAAQMD Condition 21060</u>			
<u>Part 4</u>	<u>Recordkeeping Requirement (2-6-501, 8-10-301)</u>	<u>Y</u>	

IV. Source-specific Applicable Requirements

Table IV – L
Source-specific Applicable Requirements
[Pressure Tank < 75m³]
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
<u>BAAQMD</u>			
<u>Regulation 8</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS</u>		
<u>Rule 5</u>	<u>(10/18/06)</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>N</u>	
<u>8-5-112</u>	<u>Limited Exemption, Tanks in Operation</u>	<u>N</u>	
<u>8-5-301</u>	<u>Storage Tank Control Requirements</u>	<u>N</u>	
<u>8-5-307</u>	<u>Requirements for Pressure Tanks and Blanketed Tanks</u>	<u>N</u>	
<u>8-5-328</u>	<u>Tank Degassing Requirements</u>	<u>N</u>	
<u>8-5-331</u>	<u>Tank Cleaning Requirements</u>	<u>N</u>	
<u>8-5-501</u>	<u>Records</u>	<u>N</u>	
<u>8-5-501.1</u>	<u>Type and Amount of Liquids Stored, Blanket Gases, TVP</u>	<u>N</u>	
<u>SIP</u>			
<u>Regulation 8</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS</u>		
<u>Rule 5</u>	<u>(06/05/03)</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>Y</u>	
<u>8-5-112</u>	<u>Limited Exemption, Tanks in Operation</u>	<u>Y</u>	
<u>8-5-301</u>	<u>Storage Tank Control Requirements</u>	<u>Y</u>	
<u>8-5-307</u>	<u>Requirements for Pressure Tanks and Blanketed Tanks</u>	<u>Y</u>	
<u>8-5-328</u>	<u>Tank Degassing Requirements</u>	<u>Y</u>	
<u>8-5-501</u>	<u>Records</u>	<u>Y</u>	
<u>8-5-501.1</u>	<u>Type and Amount of Liquids Stored, Blanket Gases, TVP</u>	<u>Y</u>	
<u>8-5-503</u>	<u>Portable Hydrocarbon Detector</u>	<u>Y</u>	
BAAQMD Condition #5148			
<u>Part 1</u>	<u>Minimum of 85% by weight control of organics or shall emit less than 15 lbs/day as carbon.</u>	<u>Y</u>	
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 – M
Source-specific Applicable Requirements
[Pressure Tank < 75m³ with submerged fill]
S-55, T-30 N-Serve
S-408, T-723 Terminalized Products

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD</u>			
<u>Regulation 8</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS</u>		
<u>Rule 5</u>	<u>(10/18/06)</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>N</u>	
<u>8-5-112</u>	<u>Limited Exemption, Tanks in Operation</u>	<u>N</u>	
<u>8-5-301</u>	<u>Storage Tank Control Requirements</u>	<u>N</u>	
<u>8-5-307</u>	<u>Requirements for Pressure Tanks and Blanketed Tanks</u>	<u>N</u>	
<u>8-5-328</u>	<u>Tank Degassing Requirements</u>	<u>N</u>	
<u>8-5-331</u>	<u>Tank Cleaning Requirements</u>	<u>N</u>	
<u>8-5-501</u>	<u>Records</u>	<u>N</u>	
<u>8-5-501.1</u>	<u>Type and Amount of Liquids Stored, Blanket Gases, TVP</u>	<u>N</u>	
<u>SIPBAAQMD</u>			
<u>Regulation 8</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS</u>		
<u>Rule 5</u>	<u>(06/05/032)</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>Y</u>	
<u>8-5-112</u>	<u>Limited Exemption, Tanks in Operation</u>	<u>Y</u>	
<u>8-5-301</u>	<u>Storage Tank Control Requirements</u>	<u>Y</u>	
<u>8-5-307</u>	<u>Requirements for Pressure Tanks and Blanketed Tanks</u>	<u>Y</u>	
<u>8-5-328</u>	<u>Tank Degassing Requirements</u>	<u>Y</u>	
<u>8-5-501</u>	<u>Records</u>	<u>Y</u>	
<u>8-5-501.1</u>	<u>Type and Amount of Liquids Stored, Blanket Gases, TVP</u>	<u>Y</u>	
<u>8-5-503</u>	<u>Portable Hydrocarbon Detector</u>	<u>Y</u>	

IV. Source-specific Applicable Requirements

Table IV-N
Source-specific Applicable Requirements
S-135, HCl Storage Tank T-606A
S-136, HCl Storage Tank T606B
Abated by A-18, Hydrochloric Acid Storage Tanks Scrubber

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
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- O
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
S-140, HCl Storage Tank T-606F
Abated by A-18, Hydrochloric Acid Storage Tanks 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	
SIPBAAQMD Regulation 6	Particulate Matter and Visible Emissions (9/4/9812/19/90)		

IV. Source-specific Applicable Requirements

Table IV- O
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
[S-140, HCl Storage Tank T-606F](#)

Abated by A-18, Hydrochloric Acid Storage Tanks Scrubber

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	
40 CFR, Part 63, Subpart NNNNN	National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003), <u>See MACT Summary Tables at End of Section IV.</u>	Y	compliance by 4/17/2006

Table IV-TBD
Source-specific Applicable Requirements
[S-172, Maintenance Exhaust Area M-5](#)

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

IV. Source-specific Applicable Requirements

**Table IV-P
 Source-specific Applicable Requirements
 S-174, Gasoline Dispensing Facility**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 7	Organic Compounds – Gasoline Dispensing Facilities (11/6/2002)		
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	
8-7-302	Phase II Requirements		
8-7-302.1	Requirements for Transfers into Motor Vehicle Fuel Tanks	Y	
8-7-302.2	Maintenance Requirement	Y	
8-7-302.3	Proper Operation and Free of Defects Requirements	Y	
8-7-302.4	Repair Time Limit for Defective Components	Y	
8-7-302.5	Leak-Free and Vapor Tight Requirement for Components	Y	
8-7-302.6	Requirements for Bellows Nozzles	Y	
8-7-302.7	Requirements for Vapor Recovery Nozzles on Balance Systems	Y	
8-7-302.8	Minimum Liquid Removal Rate	Y	
8-7-302.9	Coaxial Hose Requirement	Y	
8-7-302.10	Construction Materials Specifications	Y	
8-7-302.12	Liquid Retain Limitation	Y	1/1/09[†]

IV. Source-specific Applicable Requirements

**Table IV-P
 Source-specific Applicable Requirements
 S-174, Gasoline Dispensing Facility**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-302.13	Nozzle Spitting Limitation	Y	1/1/09¹
8-7-302.14	Annual Back Pressure Test Requirements for Balance Systems	Y	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-306	Prohibition of Use	Y	
8-7-307	Posting of Operating Instructions	Y	
8-7-308	Operating Practices	Y	
8-7-309	Contingent Vapor Recovery Requirement	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	
8-7-503.3	Records Retention Time	Y	
BAAQMD Condition #20666			
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	
BAAQMD Condition #2428914098			
Part 1	Maximum Annual Gasoline Throughput (<u>Regulation 2, Rule 5</u> TRMP)	N	

¹ 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-Q
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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD Regulation 6, Rule 1</u>	<u>Particulate Matter and Visible Emissions (12/5/07)</u>		
<u>6-1-301</u>	<u>Ringelmann Number 1 Limitation</u>	<u>N</u>	
<u>6-1-305</u>	<u>Visible Particles</u>	<u>N</u>	
<u>6-1-310</u>	<u>Particulate Weight Limitation</u>	<u>N</u>	
<u>6-1-311</u>	<u>General Operations</u>	<u>N</u>	
<u>6-1-401</u>	<u>Appearance of Emissions</u>	<u>N</u>	
<u>SIPBAAQMD Regulation 6</u>	<u>Particulate Matter and Visible Emissions (9/4/9812/19/90)</u>		
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—R
Source-specific Applicable Requirements
~~S-198, Latex Plant Process Recycle Tank, T-366~~
~~S-199, Latex Plant Process Tank, T-367~~
~~S-226, Latex Plant Process Tank, T-364~~
~~S-421, Latex Plant Process Recycle Tank, T-368~~
~~S-491, T-363~~

Each Abated by A-42, B-368 Latex Plant Styrene Scrubber followed by S-336 or S-389, Thermal Oxidizers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 36	Organic Compounds—Resin Manufacturing (6/6/84)		
8-36-301	Resin Reactors, Thinning Tanks, and Blending Tanks	Y	
8-36-301.1	95% Control	Y	
BAAQMD Condition #16610			
Part 2	Venting Requirement (Cumulative Increase, 8-36-301.1)	Y	
Part 4	Daily organic mass emission limit (Cumulative Increase)	Y	
Part 5	A-42-vented to thermal oxidizer at least 90% of latex plant operating time (Offsets)	Y	
Part 8	Records (Cumulative Increase, Offsets, 8-36-301.1, 2-1-403, 2-6-501)	Y	

IV. Source-specific Applicable Requirements

Table IV—S
Source-specific Applicable Requirements
{Pressure Tank < 75m³}
S-207, T-5 Latex Plant
S-208, T-6 Latex Plant

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 (06/05/02)		
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	
8-5-328.2	Tank Degassing Restriction	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-U
Source-specific Applicable Requirements
S-229, Latex Plant Tank Car Unloading (Butadiene), RM-1
Abated by Vapor Balance System

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 6	Organic Compounds—Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)		
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	
8-6-306	Equipment Maintenance	Y	
8-6-307	Operating Practices	Y	

IV. Source-specific Applicable Requirements

8-6-501	Records	Y	
BAAQMD Condition #21061			
Part 1	Leak Inspection (8-6-302, 8-6-304, 8-6-306)	Y	
Part 2	Records (8-6-302, 8-6-304, 8-6-306, 2-6-501)	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)		
1-301	Public Nuisance	N	
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	
SIPBAAQMD Regulation 6	Particulate Matter and Visible Emissions (9/4/9812/19/90)		
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 #20826			
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-W
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-X
Source-specific Applicable Requirements
S-308, Fumigants Cylinder Paint Hood C-11
(FUTURE Abatement System[†]: Abated by A-203, Carbon Adsorber)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 19	Organic Compounds—Surface Preparation and Coating of Miscellaneous Parts and Products (10/16/02)		
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	N	
8-19-321	Surface Preparation Standards	N	
8-19-501	Records	N	
SIP Regulation 8, Rule 19	Organic Compounds—Surface Preparation and Coating of Miscellaneous Parts and Products (12/23/97)		
8-19-320	Solvent Evaporative Loss Minimization	Y	
8-19-501	Records	Y	
BAAQMD Condition #20301			
Part 1	Maximum Coating Usage (Cumulative Increase)	Y	†
Part 2	Maximum VOC Coating Content (Cumulative Increase)	Y	†
Part 3	Abatement Requirement (Cumulative Increase)	Y	†
Part 4	Minimum Carbon (Cumulative Increase)	Y	†
Part 5	Carbon Replacement—Coating Usage (Cumulative Increase)	Y	†
Part 6	Carbon Replacement—NMOC Exhaust Concentration (Cumulative Increase)	Y	†
Part 7	Recordkeeping (Cumulative Increase, 2-6-501)	Y	†

[†] Upon Start-up of S-712

IV. Source-specific Applicable Requirements

Table IV-Y
Source-specific Applicable Requirements
S-311, Fumigants Gas Cylinder Handling Area C-9
S-312, Fumigants Cylinder Valve Removal Area Dow C-8
(FUTURE Abatement System[†]: Abated by A-201, Venturi Scrubber or A-204, Sulfuryl Fluoride Recovery System)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)		
1-301	Public Nuisance	N	
BAAQMD Condition #20302			
Part 1	S-311 Abatement Requirement (TRMP)	N	†
Part 2	S-312 Abatement Requirement (TRMP)	N	†
Part 3	Procedure to Ensure Maximum Venting Pressure ≤ 23 psia (TRMP)	N	†
Part 4	Abatement System Operating Requirement (TRMP)	N	†
Part 5	Automated Control Valves (TRMP)	N	†

† Upon Start-up of S-712

Table IV-Z
Source-specific Applicable Requirements
S-314, Fumigants Paint Booth F-2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 19	Organic Compounds – Surface Preparation and Coating of Miscellaneous Parts and Products (10/16/02)		
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	N	
8-19-324	Surface Preparation Standards	N	
8-19-501	Records	N	

IV. Source-specific Applicable Requirements

SIP Regulation 8, Rule 19	Organic Compounds—Surface Preparation and Coating of Miscellaneous Parts and Products (12/23/97)		
8-19-320	Solvent Evaporative Loss Minimization	Y	
8-19-501	Records	Y	

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

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

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

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

IV. Source-specific Applicable Requirements

Table IV-AC
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
BAAQMD Regulation 8, Rule 1	Organic Compounds – General Provisions (6/15/94)		
8-1-110.3	Exemptions	Y	
BAAQMD Condition 2501			
Part 1	Abatement Requirement (8-1-110.3)	Y	
Part 3	Recordkeeping Requirement (2-6-501, 8-1-110.3)	Y	

Table IV – AD
Source-specific Applicable Requirements
S-326, T-601

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

IV. Source-specific Applicable Requirements

**Table IV – AD
 Source-specific Applicable Requirements
 S-326, T-601**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIPBAAQM D Regulation 8 Rule 5	Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/ 0392)		
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	<u>Y</u>	
8-5-501	Records	Y	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	Y	

**Table IV-AE
 Source-specific Applicable 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-72, B-16 Caustic Scrubber in series**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)		
1-107	Combination of Emissions	Y	
1-304	Public Nuisance	Y	
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	
SIPBAAQMD Regulation 6	Particulate Matter and Visible Emissions (9/4/98-12/19/90)		

IV. Source-specific Applicable Requirements

Table IV-AE
Source-specific Applicable 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-72, B-16 Caustic Scrubber in series

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (7/20/056/15/94)		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
40 CFR Part 63 Subpart EEE	National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors (9/30/99), See MACT Summary Tables at End of Section IV.		
40 CFR Part 64	Compliance Assurance Monitoring (See CAM Table at the end of this section)	<u>Y</u>	
BAAQMD Condition #1785			
Part 2	Abatement Requirement (Cumulative Increase, 8-2-301)	Y	
BAAQMD Condition #2501			
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	
BAAQMD Condition #5336			
Part 1	Abatement Requirement (Cumulative Increase)	Y	
BAAQMD			

IV. Source-specific Applicable Requirements

Table IV-AE
Source-specific Applicable 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-72, B-16 Caustic Scrubber in series

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition #5722			
Part 2	Abatement Requirement (Regulation 2, Rule 5TRMP , 8-1-110.3/2-1-403)	Y	
BAAQMD Condition #6859			
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	
BAAQMD Condition #7775			
Part 2	Abatement Requirement (2-1-403)	Y	
Part 4	Abatement Requirement (2-1-403)	Y	
BAAQMD Condition. #8894			
Part 2	Abatement Requirement (Cumulative Increase)	Y	
Part 10	Abatement Requirement (Cumulative Increase, Regulation 2, Rule 5TRMP)	Y	
Part 12	Abatement Requirement (Cumulative Increase, Regulation 2, Rule 5TRMP)	Y	
BAAQMD Condition #11276			
Part 1	Abatement Requirement (8-5-306, 8-6-302, 8-6-304)	Y	

IV. Source-specific Applicable Requirements

Table IV-AE
Source-specific Applicable 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-72, B-16 Caustic Scrubber in series

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Vapor Tight Connections (8-5-306, 8-6-302)	Y	
BAAQMD Condition #14722			
Part 1	Abatement Requirement (Cumulative Increase, Offsets, 8-47-301)	Y	
BAAQMD Condition #16610			
Part 5	Abatement Requirement (Offsets)	Y	
BAAQMD Condition #16612			
Part 2	Abatement Requirement (8-5-301, 8-5-306, 8-5-307)	Y	
BAAQMD Condition #17971			
Part 1	Abatement Requirement (Cumulative Increase, 8-6-304)	Y	
BAAQMD Condition #17985			
Part 1	Abatement Requirement (6-310, 7-300/2-1-403)	Y	
Part 2	Abatement Requirement (6-310, 7-300/2-1-403)	Y	

Table IV-AF
Source-specific Applicable Requirements
S-389, Sym-Tet Thermal Oxidizer, R-501
Abated by A-74, B-502 Caustic Scrubber and A-94, 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, and A-80, B-503B Carbon Adsorber, and A-205, R-503 Carbon Monoxide Scrubber when A-77 is operating

IV. Source-specific Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	<u>General Provisions and Definitions (5/2/01)</u>		
1-107	<u>Combination of Emissions</u>	<u>N</u>	
1-304	<u>Public Nuisance</u>	<u>N</u>	
BAAQMD Regulation 6, Rule 1	<u>Particulate Matter and Visible Emissions (12/5/07)</u>		
6-1-301	<u>Ringelmann Number 1 Limitation</u>	<u>N</u>	
6-1-305	<u>Visible Particles</u>	<u>N</u>	
6-1-310	<u>Particulate Weight Limitation</u>	<u>N</u>	
6-1-311	<u>General Operations</u>	<u>N</u>	
6-1-401	<u>Appearance of Emissions</u>	<u>N</u>	
SIPBAAQMD Regulation 6	<u>Particulate Matter and Visible Emissions (9/4/9812/19/90)</u>		
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 Regulation 8, Rule 2	<u>Organic Compounds – Miscellaneous Operations (7/20/056/15/94)</u>		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 9, Rule 1	<u>Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)</u>		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
40 CFR Part 63 Subpart EEE	<u>National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors (9/30/99), See MACT Summary Tables at End of Section IV.</u>		
40 CFR Part 64	<u>Compliance Assurance Monitoring (See CAM Table at the end of this section)</u>	<u>Y</u>	
BAAQMD Condition #1748			
Part 1	Abatement Requirement (Cumulative Increase)	Y	
BAAQMD Condition			

IV. Source-specific Applicable Requirements

Table IV-AF
Source-specific Applicable Requirements
S-389, Sym-Tet Thermal Oxidizer, R-501

Abated by A-74, B-502 Caustic Scrubber and A-94, 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, and 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
#1785			
Part 2	Abatement Requirement (Cumulative Increase, 8-2-301)	Y	
BAAQMD Condition #2039			
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 <u>and Oxidation Catalyst</u> Operation (Cumulative Increase)	Y	
Part 13	Continuous Monitors (Cumulative Increase, BACT)	Y	
Part 14	Stack Height Requirements (<u>Regulation 2, Rule 5TRMP</u>)	N	
Part 15	Recordkeeping Requirement (Cumulative Increase, BACT, 2-6-501)	Y	
Part 16	Monitoring of pH (2-6-503)	Y	
BAAQMD Condition #5722			
Part 2	Abatement Requirement (<u>Regulation 2, Rule 5TRMP</u> , 8-1-110.3/2-1-403)	Y	
BAAQMD Condition #11276			
Part 1	Abatement Requirement (8-5-306, 8-6-302, 8-6-304)	Y	

IV. Source-specific Applicable Requirements

Table IV-AF
Source-specific Applicable Requirements
S-389, Sym-Tet Thermal Oxidizer, R-501

Abated by A-74, B-502 Caustic Scrubber and A-94, 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, ~~and~~ 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
Part 2	Vapor Tight Connections (8-5-306, 8-6-304)	Y	
BAAQMD Condition #14438			
Part 4	Abatement Requirement (Cumulative Increase, 8-5-306, 8-5-307)	Y	
Part 5	Minimum Abatement Period (BACT)	Y	
BAAQMD Condition #14722			
Part 1	Abatement Requirement (Cumulative Increase, Offsets, 8-47-301)	Y	
BAAQMD Condition #16610			
Part 5	Abatement Requirement (Offsets)	Y	

IV. Source-specific Applicable Requirements

Table IV-AG
Source-specific Applicable Requirements
A-400 (S-400), ~~Experimental~~ Thermal Oxidizer R-901
Abated by by A-401, Acid Adsorber B-901, Followed by A-79,
Packed Bed Scrubber B-902

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)		
1-107	Combination of Emissions	Y	
1-301	Public Nuisance	N	
BAAQMD Regulation 6, Rule 1	<u>Particulate Matter and Visible Emissions (12/5/07)</u>		
6-1-301	<u>Ringelmann Number 1 Limitation</u>	N	
6-1-305	<u>Visible Particles</u>	N	
6-1-310	<u>Particulate Weight Limitation</u>	N	
6-1-311	<u>General Operations</u>	N	
6-1-401	<u>Appearance of Emissions</u>	N	
SIPBAAQMD Regulation 6	<u>Particulate Matter and Visible Emissions (9/4/9812/19/90)</u>		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	<u>Organic Compounds – Miscellaneous Operations (7/20/056/15/94)</u>		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 9, Rule 1	<u>Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)</u>		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
BAAQMD Regulation 9, Rule 7	<u>Inorganic Gaseous Pollutants –Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (5/4/113/15/95)</u>		
9-7-112	<u>Limited Exemption, Low Fuel Usage – Section 9-7-307</u>	N	
9-7-304	<u>Low Fuel Usage Requirements</u>	Y	

IV. Source-specific Applicable Requirements

Table IV-AG
Source-specific Applicable Requirements
A-400 (S-400), ~~Experimental~~ Thermal Oxidizer R-901
Abated by ~~by~~ A-401, Acid Adsorber B-901, Followed by A-79,
Packed Bed Scrubber B-902

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>9-7-304.2</u>	<u>Tune once every 12 months</u>	<u>Y</u>	
<u>9-7-309</u>	<u>Low Fuel Usage Requirements – Section 9-7-307</u>		
<u>9-7-309.2</u>	<u>Tune once every 12 months</u>		
<u>9-7-5043</u>	Records	<u>NY</u>	
<u>SIP Regulation 9, Rule 7</u>	<u>Inorganic Gaseous Pollutants –Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (12/15/97)</u>		
<u>9-7-111</u>	<u>Limited Exemption, Low Fuel Usage – Section 9-7-301</u>	<u>Y</u>	
<u>9-7-304</u>	<u>Low Fuel Usage Requirements</u>	<u>Y</u>	
<u>9-7-304.2</u>	<u>Tune once every 12 months</u>	<u>Y</u>	
<u>9-7-504</u>	<u>Records</u>	<u>Y</u>	
<u>40 CFR Part 64</u>	<u>Compliance Assurance Monitoring (See CAM Table at the end of this section)</u>	<u>Y</u>	
BAAQMD Condition #2213			
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	
<u>Part 10</u>	<u>Temperature Excursions (2-1-403)</u>	<u>Y</u>	<u>Effective until issuance of Title V renewal</u>
<u>Part 11</u>	<u>Temperature Excursions (2-1-403)</u>	<u>Y</u>	<u>Effective until issuance of Title V renewal</u>
Part 12	Recordkeeping Requirement (2-1-403, 2-6-501)	Y	

IV. Source-specific Applicable Requirements

Table IV-AH
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

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	
SIPBAAQMD Regulation 6	Particulate Matter and Visible Emissions (9/4/9812/19/90)		
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 #5147			
Part 1	Abatement Requirement (Regulation 2, Rule 5TRMP)	N	
Part 2	Annual Throughput Limit (Regulation 2, Rule 5TRMP)	N	
Part 3	Recordkeeping Requirement (Regulation 2, Rule 5TRMP)	N	

IV. Source-specific Applicable Requirements

Table IV-AI
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

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	
BAAQMD Condition #5148			
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-AJ
Source-specific Applicable Requirements
[Pressure Tank > 75 m³ with submerged fill]
S-429, T-130A Environmental Services

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 (06/05/02)		
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-AK
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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD</u>			
<u>Regulation 8</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS</u>		
<u>Rule 5</u>	<u>(10/18/06)</u>		
8-5-111	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>N</u>	
8-5-112	<u>Limited Exemption, Tanks in Operation</u>	<u>N</u>	
8-5-301	<u>Storage Tank Control Requirements</u>	<u>N</u>	
8-5-306	<u>Requirements for Approved Emission Control Systems</u>	<u>N</u>	
8-5-328	<u>Tank Degassing Requirements</u>	<u>N</u>	
8-5-331	<u>Tank Cleaning Requirements</u>	<u>N</u>	
8-5-501	<u>Records</u>	<u>N</u>	
8-5-501.1	<u>Type and Amount of Liquids Stored, Blanket Gases, TVP</u>	<u>N</u>	
<u>SIPBAAQMD</u>			
<u>Regulation 8</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS</u>		
<u>Rule 5</u>	<u>(06/05/0302)</u>		
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	
<u>BAAQMD</u>			
<u>Condition</u>			
<u>#8894</u>			
Part 1	Valve Type (Cumulative Increase, <u>Regulation 2, Rule 5TRMP</u>)	Y	
Part 2	Abatement Requirement (Cumulative Increase, <u>Regulation 2, Rule</u>	Y	

IV. Source-specific Applicable Requirements

Table IV-AK
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

	<u>S</u> TRMP)		
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Table IV-AL
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, ~~or~~
~~Abated by A-199, Manufacturing Services Scrubber B-12~~

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)		
1-107	Combination of Emissions	N	
1-301	Public Nuisance	N	
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	
SIPBAAQMD Regulation 6	Particulate Matter and Visible Emissions (9/4/9812/19/90)		
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 Regulation 8,	Organic Compounds – Miscellaneous Operations (7/20/056/15/94)		

IV. Source-specific Applicable Requirements

Table IV-AL
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, ~~or~~
~~Abated by A-199, Manufacturing Services Scrubber B-12~~

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Rule 2			
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 8, Rule 10	Organic Compounds – Process Vessel Depressurization (1/21/04)		
8-10-301	Process Vessel Depressurizing	<u>N</u>	
8-10-302	Opening of Process Vessels	<u>N</u>	
SIPBAAQMD Regulation 8, Rule 10	Organic Compounds – Process Vessel Depressurization (10/3/84/20/83)		
8-10-301	Process Vessel Depressurizing	Y	
40 CFR, Part 63, Subpart NNNNN	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.	Y	compliance by 4/17/2006
40 CFR, Part 63, Subpart FFFF	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.	<u>Y</u>	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)	<u>Y</u>	
BAAQMD Condition #17985			
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	

IV. Source-specific Applicable Requirements

Table IV-AL
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, ~~or~~
~~Abated by A-199, Manufacturing Services Scrubber B-12~~

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 5TRMP, 2-6-501)	Y	+
BAAQMD Condition 21060			
Part 2	Recordkeeping Requirement (2-6-501, 8-10-301)	Y	

⁺ Upon Start up of S-712

Table IV-AM
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
<u>BAAQMD Regulation 6, Rule 1</u>	<u>Particulate Matter and Visible Emissions (12/5/07)</u>		
<u>6-1-301</u>	<u>Ringelmann Number 1 Limitation</u>	<u>N</u>	
<u>6-1-305</u>	<u>Visible Particles</u>	<u>N</u>	
<u>6-1-310</u>	<u>Particulate Weight Limitation</u>	<u>N</u>	
<u>6-1-310.3</u>	<u>Heat Transfer Operation</u>	<u>Y</u>	
<u>SIPBAAQMD Regulation 6</u>	<u>Particulate Matter and Visible Emissions (9/4/9812/19/90)</u>		
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	
BAAQMD	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)		

IV. Source-specific Applicable Requirements

**Table IV-AM
 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
Regulation 9, Rule 1			
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
<u>BAAQMD Regulation 9, Rule 7</u>	<u>Inorganic Gaseous Pollutants –Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (5/4/11)</u>		
<u>9-7-301</u>	<u>Interim Emission Limits</u>	<u>N</u>	
<u>9-7-301.1</u>	<u>NOx Emissions Limit 30 ppmv @3% O2</u>	<u>N</u>	
<u>9-7-301.4</u>	<u>CO Emissions Limit 400 ppmv@3% O2</u>	<u>N</u>	
<u>9-7-307.5</u>	<u>NOx Emission Limit 9 ppmv @ 3% O2, CO Emissions Limit 400 ppmv @ 3% O2.</u>	<u>N</u>	
<u>9-7-503</u>	<u>Records</u>	<u>N</u>	
<u>9-7-506</u>	<u>Periodic Testing</u>	<u>N</u>	
<u>SIPBAAQMD Regulation 9, Rule 7</u>	<u>Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide (12/15/979/16/92)</u>		
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	
<u>40 CFR, Part 63, Subpart A</u>	<u>National Emission Standards for Hazardous Air Pollutants for Source Categories: General Provisions (3/16/1994)</u>		
<u>§63.9</u>	<u>Notification Requirements</u>	<u>Y</u>	<u>11/12/2004</u>
<u>§63.9(a)</u>	<u>Applicability and General Information</u>	<u>Y</u>	<u>11/12/2004</u>
<u>§63.9(b)(1)</u>	<u>Applicability and Forms</u>	<u>Y</u>	<u>11/12/2004</u>
<u>§63.9(b)(2)</u>	<u>Initial Notifications and Deadline</u>	<u>Y</u>	<u>3/12/05</u>
40 CFR, Part 63, Subpart DDDDD	National Emission Standards for Hazardous Air Pollutants: Industrial, Commercial, and Institutional Boilers and Process Heaters (1/31/20139/13/2004)	<u>Y</u>	<u>See 63.7495(c)</u>
<u>§63.7506(b)</u>	<u>Limited Requirements – Initial Notification Requirement Only</u>	<u>Y</u>	<u>11/12/2004</u>
<u>§63.7506(b)(1)</u>	<u>Existing large and limited-use gaseous fuel units</u>	<u>Y</u>	<u>11/12/2004</u>
BAAQMD Condition #11054			

IV. Source-specific Applicable Requirements

**Table IV-AM
 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
Part 1	Fuel Restriction - Natural Gas (BACT)	Y	
Part 2	NOx Emission Limits (9-7-301, <u>9-7-307.5</u>)	Y	
Part 3	CO Emission Limit (BACT)	Y	
Part 4	NOx Source Test (9-7-301)	Y	
Part 5	Source Test Requirements (9-7-307.5, 9-7-506)	Y	
Part 6 5	Recordkeeping Requirement (2-6-501, 9-7-307.5 4)	Y	

**Table IV-AN
 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 1	General Provisions and Definitions (5/2/01)		
1-304	Public Nuisance	N	
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	
SIPBAAQMD Regulation 6	Particulate Matter and Visible Emissions (9/4/9812/19/90)		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	

IV. Source-specific Applicable Requirements

Table IV-AN
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

6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (7/20/056/15/94)		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 8, Rule 10	Organic Compounds – Process Vessel Depressurization (1/21/04)		
8-10-301	Process Vessel Depressurizing	<u>N</u>	
8-10-302	Opening of Process Vessels	<u>N</u>	
SIPBAAQMD Regulation 8, Rule 10	Organic Compounds – Process Vessel Depressurization (10/3/847/20/83)		
8-10-301	Process Vessel Depressurizing	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.	<u>Y</u>	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)	<u>Y</u>	
BAAQMD Condition #5385			
Part 1	Abatement of Reactor/Stripping Systems	Y	
BAAQMD Condition #21060			

IV. Source-specific Applicable Requirements

Table IV-AN
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

Part 2	Recordkeeping Requirement (2-6-501, 8-10-301)	Y	
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Table IV-AO
Source-specific Applicable Requirements
S-449, HCl Storage Tank, T-30
Abated by A-91, B-30 Absorber

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-304	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	
40 CFR, Part 63, Subpart NNNNN	National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003)	Y	compliance by 4/17/2006
BAAQMD Condition #18128			
Part 3	Annual Abated HCl Emission Limit (Cumulative Increase)	Y	
Part 4	Daily Abated HCl Emission Limit (Cumulative Increase)	Y	
Part 7	Abatement Requirement (Cumulative Increase, TRMP, 6-310/2-1-403)	Y	
Part 12	Recordkeeping Requirement (Cumulative Increase, TRMP, 2-6-501, 6-310, 9-1-302)	Y	

IV. Source-specific Applicable Requirements

**Table IV-AP
 Source-specific Applicable Requirements**

S-454, Vikane Plant

~~Abated by S-434, Manufacturing Services Facility followed further abatement (see table to S-434) or~~

~~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 Process Flow Abated by A-90, H-30 Acid Absorber and A-91, B-30 Absorber, in series, and Intermittent Process Vents Abated by A-46, B-7 Caustic Scrubber or A-197, B-4 Caustic Scrubber~~

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants—Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
40 CFR, Part 63, Subpart NNNNN	National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003)	Y	compliance by 4/17/2006
BAAQMD Condition #18128			
Part 1	Annual Abated PM and SO ₂ Emission Limits (Cumulative Increase)	Y	
Part 2	Daily Abated PM and SO ₂ Emission Limits (Cumulative Increase)	Y	
Part 5	Abatement Requirement (Cumulative Increase, TRMP, 6-310/2-1-403)	Y	
Part 6	Abatement Requirement (Cumulative Increase, TRMP, 6-310/2-1-403)	Y	
Part 8	Abatement Efficiency (Cumulative Increase, TRMP, 6-310/2-1-403)	Y	
Part 9	Monitoring (Cumulative Increase, TRMP, 6-310/2-1-403)	Y	
Part 10	Abatement Efficiency (Cumulative Increase, TRMP, 6-310, 9-1-302)	Y	
Part 11	Monitoring (Cumulative Increase, TRMP, 2-6-503, 6-310, 9-1-302)	Y	
Part 12	Recordkeeping Requirement (Cumulative Increase, TRMP, 2-6-501, 6-310, 9-1-302)	Y	

IV. Source-specific Applicable Requirements

Table IV–AQ
Source-specific Applicable Requirements
[Pressure Tank < 75m³]
S-458, T-80 in Block 660

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD Regulation 8 Rule 5</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS (10/18/06)</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>N</u>	
<u>8-5-112</u>	<u>Limited Exemption, Tanks in Operation</u>	<u>N</u>	
<u>8-5-301</u>	<u>Storage Tank Control Requirements</u>	<u>N</u>	
<u>8-5-307</u>	<u>Requirements for Pressure Tanks and Blanketed Tanks</u>	<u>N</u>	
<u>8-5-328</u>	<u>Tank Degassing Requirements</u>	<u>N</u>	
<u>8-5-331</u>	<u>Tank Cleaning Requirements</u>	<u>N</u>	
<u>8-5-501</u>	<u>Records</u>	<u>N</u>	
<u>8-5-501.1</u>	<u>Type and Amount of Liquids Stored, Blanket Gases, TVP</u>	<u>N</u>	
<u>SIPBAAQMD Regulation 8 Rule 5</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/0302)</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>Y</u>	
<u>8-5-112</u>	<u>Limited Exemption, Tanks in Operation</u>	<u>Y</u>	
<u>8-5-301</u>	<u>Storage Tank Control Requirements</u>	<u>Y</u>	
<u>8-5-307</u>	<u>Requirements for Pressure Tanks and Blanketed Tanks</u>	<u>Y</u>	
<u>8-5-328</u>	<u>Tank Degassing Requirements</u>	<u>Y</u>	
<u>8-5-501</u>	<u>Records</u>	<u>Y</u>	
<u>8-5-501.1</u>	<u>Type and Amount of Liquids Stored, Blanket Gases, TVP</u>	<u>Y</u>	
<u>8-5-503</u>	<u>Portable Hydrocarbon Detector</u>	<u>Y</u>	

IV. Source-specific Applicable Requirements

Table IV-AR
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
<u>BAAQMD Regulation 6, Rule 1</u>	<u>Particulate Matter and Visible Emissions (12/5/07)</u>		
<u>6-1-301</u>	<u>Ringelmann Number 1 Limitation</u>	<u>N</u>	
<u>6-1-305</u>	<u>Visible Particles</u>	<u>N</u>	
<u>6-1-310</u>	<u>Particulate Weight Limitation</u>	<u>N</u>	
<u>6-1-310.3</u>	<u>Heat Transfer Operation</u>	<u>N</u>	
<u>SIPBAAQMD Regulation 6</u>	<u>Particulate Matter and Visible Emissions (9/4/9812/19/90)</u>		
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	
<u>BAAQMD Regulation 9, Rule 1</u>	<u>Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)</u>		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
<u>BAAQMD Regulation 9, Rule 7</u>	<u>Inorganic Gaseous Pollutants –Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (5/4/11)</u>		
<u>9-7-301</u>	<u>Interim Emission Limits</u>	<u>N</u>	
<u>9-7-301.1</u>	<u>NOx Emissions Limit 30 ppmv @3% O2</u>	<u>N</u>	
<u>9-7-301.4</u>	<u>CO Emissions Limit 400 ppmv@3% O2</u>	<u>N</u>	
<u>9-7-307.5</u>	<u>NOx Emission Limit 9 ppmv @ 3% O2, CO Emissions Limit 400 ppmv @ 3% O2</u>	<u>N</u>	
<u>9-7-503</u>	<u>Records</u>	<u>N</u>	
<u>9-7-506</u>	<u>Periodic Testing</u>	<u>N</u>	
<u>SIPBAAQMD Regulation 9, Rule 7</u>	<u>Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide (12/15/979/16/92)</u>		
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-AR
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
40 CFR, Part 63, Subpart A	National Emission Standards for Hazardous Air Pollutants for Source Categories: General Provisions (3/16/1994)		
§63.9	Notification Requirements	Y	11/12/2004
§63.9(a)	Applicability and General Information	Y	11/12/2004
§63.9(b)(1)	Applicability and Forms	Y	11/12/2004
§63.9(b)(2)	Initial Notifications and Deadline	Y	3/12/05
40 CFR, Part 63, Subpart DDDDD	National Emission Standards for Hazardous Air Pollutants: Industrial, Commercial, and Institutional Boilers and Process Heaters (1/31/139/13/2004)	Y	11/12/2004 See 63.7495(c)
§63.7506(b)	Limited Requirements—Initial Notification Requirement Only	Y	11/12/2004
§63.7506(b)(1)	Existing large and limited use gaseous fuel units	Y	11/12/2004
BAAQMD Condition #503			
Part 1	Natural Gas Only (Cumulative Increase)	Y	
Part 2	Fuel Gas Flow Meter Requirement (Cumulative Increase)	Y	
Part 3b	NOx Limits Flue Gas Recirculation Requirement (9-7-301, 9-7-307.5Cumulative Increase, 9-7-2-1-403)	Y	
Part 7	NOx Source Test Requirement (9-7-301.1)	Y	
Part 8	Recordkeeping Requirement (2-6-501, 9-7-301.1)	Y	

Table IV-AS
Source-specific Applicable Requirements
S-461, Plant 663 R-401 Reactor, Abated by A-96, B-405 Acid Absorber & Tails Tower—vapor recovery

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)		
1-301	Public Nuisance	N	
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	

IV. Source-specific Applicable Requirements

Table IV-AS
Source-specific Applicable Requirements
S-461, Plant 663 R-401 Reactor, Abated by A-96, B-405 Acid Absorber & Tails Tower—vapor recovery

6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
40 CFR Part 63, Subpart MMM	National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production (6/23/1999)	Y	compliance by 12/23/2003

Table IV-AT
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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)		
1-301	Public Nuisance	N	
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	
SIPBAAQMD Regulation 6	Particulate Matter and Visible Emissions (9/4/9812/19/90)		
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	
40 CFR Part 63, Subpart	National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production (6/23/1999). See MACT	Y	

IV. Source-specific Applicable Requirements

Table IV-AT
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

<u>MMM</u>	<u>Summary Tables at End of Section IV.</u>		
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Table IV-AU
Source-specific Applicable Requirements
 S-4654, 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
<u>BAAQMD Regulation 6, Rule 1</u>	<u>Particulate Matter and Visible Emissions (12/5/07)</u>		
<u>6-1-301</u>	<u>Ringelmann Number 1 Limitation</u>	<u>N</u>	
<u>6-1-305</u>	<u>Visible Particles</u>	<u>N</u>	
<u>6-1-310</u>	<u>Particulate Weight Limitation</u>	<u>N</u>	
<u>6-1-311</u>	<u>General Operations</u>	<u>N</u>	
<u>6-1-401</u>	<u>Appearance of Emissions</u>	<u>N</u>	
<u>SIPBAAQMD Regulation 6</u>	<u>Particulate Matter and Visible Emissions (9/4/9812/19/90)</u>		
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	
<u>BAAQMD Condition #1359</u>			
<u>Part 1</u>	<u>Abatement Requirement (Cumulative Increase, Regulation 6)</u>	<u>N</u>	
<u>BAAQMD Condition #23250</u>			
<u>Part 1</u>	<u>Abatement Requirement (Cumulative Increase, Regulation 6, Rule 1)</u>	<u>Y</u>	
<u>Part 2</u>	<u>Requirement to measure pressure differential across A-95 Bag Filter. (6-1-301, 6-1-310, 6-1-311, 2-1-403)</u>	<u>Y</u>	

IV. Source-specific Applicable Requirements

Table IV-AU
Source-specific Applicable Requirements
S-4654, 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
Part 3	Requirement to inspect A-95 on a weekly basis. (2-1-403)	<u>Y</u>	
Part 4	Recordkeeping requirements. (Regulation 1-441)	<u>Y</u>	

Table IV-AV
Source-specific Applicable Requirements
S-474, Plant 421 - Verdict Reactor R-210,

Abated by ~~A-97, B-201 Organic Scrubber~~, A-98, B-202 Reactor Vent Scrubber, A-99, B-203 Scrubber, ~~A-100, B-230 Scrubber, A-101, H-205 Falling Film Absorber, and A-102, B-206 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
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)		
1-301	Public Nuisance	N	
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	
SIPBAAQM Regulation 6	Particulate Matter and Visible Emissions (9/4/9812/19/90)		
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-AV
Source-specific Applicable Requirements
S-474, Plant 421 - Verdict Reactor R-210,
Abated by ~~A-97, B-201 Organic Scrubber~~, A-98, B-202 Reactor Vent Scrubber,
A-99, B-203 Scrubber, ~~A-100, B-230 Scrubber, A-101, H-205 Falling Film Absorber,~~
and A-102, B-206 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

BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (<u>7/20/056/15/94</u>)		
8-2-301	Miscellaneous Operations	Y	
<u>40 CFR Part 63, Subpart FFFF</u>	<u>National Emission Standards for Hazardous Air Pollutants for – Miscellaneous Organic Chemical Manufacturing, See MACT Summary Tables at End of Section IV.</u>	<u>Y</u>	<u>compliance by 4 years, 6 months from Title V Renewal permit issuance date</u>
<u>40 CFR, Part 63, Subpart NNNNN</u>	<u>National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003)</u>	<u>Y</u>	<u>compliance by 4/17/2006</u>

IV. Source-specific Applicable Requirements

Table IV-AW
Source-specific Applicable Requirements
S-482, Carbon Tetrachloride Rail Car Loading
Abated by S-336 or S-389, Thermal Oxidizers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 6	Organic Compounds - Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)		
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	
BAAQMD Condition #11276			
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-TBD
Source-specific Applicable Requirements
S-483, Carbon Tetrachloride Rail Car Loading
Abated by S-336 or S-389, Thermal Oxidizers

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

IV. Source-specific Applicable Requirements

Table IV-AX
Source-specific Applicable Requirements
S-489, Latex Still, B-100
Abated by A-42, B-368 Latex Plant Styrene Scrubber,
Followed by S-336 or S-389, Thermal Oxidizers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 36	Organic Compound—Resin Manufacturing (6/6/84)		
8-36-301	Resin Reactors, Thinning Tanks, Blending Tanks	Y	
BAAQMD Condition #16610			
Part 1	Abatement Requirement for S-489 (Cumulative Increase, 8-36-301.1)	Y	
Part 5	Venting Requirement (Offsets)	Y	
Part 8	Recordkeeping Requirements (Cumulative Increase, Offsets, 8-36-301.1/2-1-403, 2-6-501)	Y	

Table IV-AY
Source-specific Applicable Requirements
S-490, B-310 Partial Condenser
Abated by A-42, B-368 Latex Plant Styrene Scrubber,
Followed by S-336 or S-389, Thermal Oxidizers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 36	Organic Compound—Resin Manufacturing (6/6/84)		
8-36-301	Resin Reactors, Thinning Tanks, Blending Tanks	Y	
BAAQMD Condition #16610			
Part 3	Abatement Requirement (Cumulative Increase, 8-36-301.1)	Y	

IV. Source-specific Applicable Requirements

Table IV–AZ
Source-specific Applicable Requirements
S-492, T-403 Environmental Services
Pressure Tank >75m3

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD</u> <u>Regulation 8</u> <u>Rule 5</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS</u> <u>(10/18/06)</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>N</u>	
<u>8-5-112</u>	<u>Limited Exemption, Tanks in Operation</u>	<u>N</u>	
<u>8-5-301</u>	<u>Storage Tank Control Requirements</u>	<u>N</u>	
<u>8-5-306</u>	<u>Requirements for Approved Emission Control Systems (when operated with emission control system)</u>	<u>N</u>	
<u>8-5-307</u>	<u>Requirements for Pressure Tanks and Blanketed Tanks</u>	<u>N</u>	
<u>8-5-328</u>	<u>Tank Degassing Requirements</u>	<u>N</u>	
<u>8-5-331</u>	<u>Tank Cleaning Requirements</u>	<u>N</u>	
<u>8-5-501</u>	<u>Records</u>	<u>N</u>	
<u>8-5-501.1</u>	<u>Type and Amount of Liquids Stored, Blanket Gases, TVP</u>	<u>N</u>	
<u>SIPBAAQM</u> <u>D</u> <u>Regulation 8</u> <u>Rule 5</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS</u> <u>(06/05/0302)</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>Y</u>	
<u>8-5-112</u>	<u>Limited Exemption, Tanks in Operation</u>	<u>Y</u>	
<u>8-5-301</u>	<u>Storage Tank Control Requirements</u>	<u>Y</u>	
<u>8-5-306</u>	<u>Requirements for Approved Emission Control Systems (when operated with emission control system)</u>	<u>Y</u>	
<u>8-5-307</u>	<u>Requirements for Pressure Tanks and Blanketed Tanks (when operated as pressure tank)</u>	<u>Y</u>	
<u>8-5-328</u>	<u>Tank Degassing Requirements</u>	<u>Y</u>	
<u>8-5-501</u>	<u>Records</u>	<u>Y</u>	
<u>8-5-501.1</u>	<u>Type and Amount of Liquids Stored, Blanket Gases, TVP</u>	<u>Y</u>	
<u>8-5-503</u>	<u>Portable Hydrocarbon Detector</u>	<u>Y</u>	

IV. Source-specific Applicable Requirements

Table IV-BA
Source-specific Applicable Requirements
S-496, T-241 Storage Tank Specialty Chemicals
Pressure Tank < 75 m3

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD</u> <u>Regulation 8</u> <u>Rule 5</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS</u> <u>(10/18/06)</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>N</u>	
<u>8-5-112</u>	<u>Limited Exemption, Tanks in Operation</u>	<u>N</u>	
<u>8-5-301</u>	<u>Storage Tank Control Requirements</u>	<u>N</u>	
<u>8-5-307</u>	<u>Requirements for Pressure Tanks and Blanketed Tanks</u>	<u>N</u>	
<u>8-5-328</u>	<u>Tank Degassing Requirements</u>	<u>N</u>	
<u>8-5-331</u>	<u>Tank Cleaning Requirements</u>	<u>N</u>	
<u>8-5-501</u>	<u>Records</u>	<u>N</u>	
<u>8-5-501.1</u>	<u>Type and Amount of Liquids Stored, Blanket Gases, TVP</u>	<u>N</u>	
<u>SIPBAAQMD</u> <u>D</u> <u>Regulation 8</u> <u>Rule 5</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS</u> <u>(06/05/0302)</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>Y</u>	
<u>8-5-112</u>	<u>Limited Exemption, Tanks in Operation</u>	<u>Y</u>	
<u>8-5-301</u>	<u>Storage Tank Control Requirements</u>	<u>Y</u>	
<u>8-5-307</u>	<u>Requirements for Pressure Tanks and Blanketed Tanks</u>	<u>Y</u>	
<u>8-5-328</u>	<u>Tank Degassing Requirements</u>	<u>Y</u>	
<u>8-5-501</u>	<u>Records</u>	<u>Y</u>	
<u>8-5-501.1</u>	<u>Type and Amount of Liquids Stored, Blanket Gases, TVP</u>	<u>Y</u>	
<u>8-5-503</u>	<u>Portable Hydrocarbon Detector</u>	<u>Y</u>	
<u>BAAQMD</u> <u>Condition</u> <u>#722</u>			
<u>Part 1</u>	<u>Safety Relief Valve and Rupture Disk Requirement (Cumulative Increase)</u>	<u>Y</u>	
<u>Part 2</u>	<u>Reporting Requirement (Cumulative Increase)</u>	<u>Y</u>	

IV. Source-specific Applicable Requirements

Table IV-BB
Source-specific Applicable Requirements
S-504, Chlorinolysis Train 1

Abated by ~~Either A-400 (S-400), Experimental Thermal Oxidizer R-901 or A-121, In-Process Technology Thermal Abatement Device~~
 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 (7/20/056/45/94)		
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 123	Recordkeeping Requirement (2-1-403, 2-6-501)	Y	

IV. Source-specific Applicable Requirements

Table IV-BC
Source-specific Applicable Requirements
S-505, Chlorinolysis Train 2

**Abated by either A-400 (S-400), ~~Experimental Thermal Oxidizer R-901 or~~
A-121, In-Process Technology Thermal Abatement Device
 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 (<u>7/20/056/45/94</u>)		
8-2-301	Miscellaneous Operations	Y	
<u>40 CFR Part 64</u>	<u>Compliance Assurance Monitoring (See CAM Table at the end of this section)</u>	<u>Y</u>	
BAAQMD Condition #2213			
Part 5	Pre-Abatement Organic Emission Limit (Cumulative Increase)	Y	
Part 7	Abatement Requirement (Cumulative Increase, 8-2-301)	Y	
Part 12 <u>3</u>	Recordkeeping Requirement (2-1-403, 2-6-501)	Y	

Table IV-BD

Source-specific Applicable Requirements

S-506, Manufacturing Services Storage Tank, T-404

**Abated by ~~S-336, Manufacturing Services Thermal Oxidizer or Operated as a~~
Pressure Vessel**

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 (06/05/02)		
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	

IV. Source-specific Applicable Requirements

Table IV–BD
Source-specific Applicable Requirements
S-506, Manufacturing Services Storage Tank, T-404
Abated by S-336, Manufacturing Services Thermal Oxidizer or Operated as a
Pressure Vessel

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
NSPS Subpart Kb Sections:	Standards of Performance for Volatile Organic Liquid Storage Vessels		
60.112b(a)(3)(i)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device no detectable emissions	Y	
	NOTE: THE FOLLOWING TWO REQUIREMENTS APPLY ONLY WHEN THE TANK IS NOT OPERATED AS A PRESSURE TANK.	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	
	NOTE: THE FOLLOWING REQUIREMENT APPLIES ONLY WHEN THE TANK IS OPERATED AS A PRESSURE TANK.		
60.112b(d)	Equivalent system	Y	
	NOTE: THE FOLLOWING FIVE REQUIREMENTS APPLY TO OPERATION AS A PRESSURE TANK.		
60.113b(c)	Testing and Procedures; Closed vent system and control device (not flare)	Y	
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	
	<u>THE FOLLOWING REQUIREMENT REFERS TO OPERATION AS A PRESSURE TANK</u>		

IV. Source-specific Applicable Requirements

Table IV-BD
Source-specific Applicable Requirements
S-506, Manufacturing Services Storage Tank, T-404
Abated by S-336, Manufacturing Services Thermal Oxidizer or Operated as a
Pressure Vessel

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.114b	Alternative means of emission limitation (when operating as a pressure tank)	Y	
	<u>THE FOLLOWING SIX REQUIREMENTS REFER TO OPERATION AS A TANK OPERATING WITH A CLOSED VENT SYSTEM AND CONTROL DEVICE</u>		
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks	Y	
60.115 (c)(1)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy	Y	
60.115 (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	
60.116b(g)	Monitoring of Operations; Exemption from 116b(c) and 116b(d)	Y	
BAAQMD Condition # 17971			
Part 1	Operating Requirement (Cumulative Increase, 8-6-304)	Y	
Part 2	Nitrogen Blanket and Minimum Pressure Relief Setting (Cumulative Increase)	Y	
Part 3	No Detectable Organic Emissions (Cumulative Increase, 8-5-307)	Y	

IV. Source-specific Applicable Requirements

Table IV-BE
Source-specific Applicable Requirements
S-507, Latex Plant Reactor, R-100
Abated by A-42, B-368 Latex Plant Styrene Scrubber,
Followed by S-336 or S-389, Thermal Oxidizers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 36	Organic Compounds — Resin Manufacturing (6/6/84)		
8-36-301	Resin Reactors, Thinning Tanks, and Blending Tanks	Y	
8-36-301.1	Minimum Abatement Requirement	Y	
BAAQMD Condition #16610			
Part 1	Abatement Requirement (Cumulative Increase, 8-36-301.1)	Y	
Part 5	Abatement Requirement (Offsets)	Y	
Part 7	Daily Batch Limit (Cumulative Increase)	Y	
Part 8	Recordkeeping Requirement (Cumulative Increase, Offsets, 8-36-301.1/2-1-403, 2-6-501)	Y	

IV. Source-specific Applicable Requirements

Table IV–BF
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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD</u> <u>Regulation 8</u> <u>Rule 5</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS (10/18/06)</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>N</u>	
<u>8-5-112</u>	<u>Limited Exemption, Tanks in Operation</u>	<u>N</u>	
<u>8-5-301</u>	<u>Storage Tank Control Requirements</u>	<u>N</u>	
<u>8-5-306</u>	<u>Requirements for Approved Emission Control Systems (when operated with emission control system)</u>	<u>N</u>	
<u>8-5-307</u>	<u>Requirements for Pressure Tanks and Blanketed Tanks</u>	<u>N</u>	
<u>8-5-328</u>	<u>Tank Degassing Requirements</u>	<u>N</u>	
<u>8-5-331</u>	<u>Tank Cleaning Requirements</u>	<u>N</u>	
<u>8-5-501</u>	<u>Records</u>	<u>N</u>	
<u>8-5-501.1</u>	<u>Type and Amount of Liquids Stored, Blanket Gases, TVP</u>	<u>N</u>	
<u>SIPBAAQMD</u> <u>Regulation 8</u> <u>Rule 5</u>	<u>Organic Compounds – STORAGE OF ORGANIC LIQUIDS (06/05/032)</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>Y</u>	
<u>8-5-112</u>	<u>Limited Exemption, Tanks in Operation</u>	<u>Y</u>	
<u>8-5-301</u>	<u>Storage Tank Control Requirements</u>	<u>Y</u>	
<u>8-5-306</u>	<u>Requirements for Approved Emission Control Systems (when operated with emission control system)</u>	<u>Y</u>	
<u>8-5-307</u>	<u>Requirements for Pressure Tanks and Blanketed Tanks (when operated as a pressure tank)</u>	<u>Y</u>	
<u>8-5-328</u>	<u>Tank Degassing Requirements</u>	<u>Y</u>	
<u>8-5-501</u>	<u>Records</u>	<u>Y</u>	
<u>8-5-501.1</u>	<u>Type and Amount of Liquids Stored, Blanket Gases, TVP</u>	<u>Y</u>	
<u>8-5-503</u>	<u>Portable Hydrocarbon Detector</u>	<u>Y</u>	
<u>BAAQMD</u> <u>Regulation 8</u> <u>Rule 18</u>	<u>Organic Compounds – Equipment Leaks (9/15/0411/27/2002)</u>		
<u>8-18-113</u>	<u>Limited Exemption, Initial Boiling Point</u>	<u>Y</u>	

IV. Source-specific Applicable Requirements

Table IV–BF
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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #1748			
Part 1	Abatement Requirement (Cumulative Increase)	Y	
Part 2	No Detectable Emissions (Cumulative Increase)	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (<u>7/20/05/6/15/94</u>)		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Condition #1785			
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-BH
Source-specific Applicable Requirements
S-530, T-902 HCl Storage Tank
Abated by A-400 (S-400) R-901 Thermal Oxidizer

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD Regulation 6, Rule 1</u>	<u>Particulate Matter and Visible Emissions (12/5/07)</u>		
6-1-301	<u>Ringelmann Number 1 Limitation</u>	<u>N</u>	
6-1-305	<u>Visible Particles</u>	<u>N</u>	
6-1-310	<u>Particulate Weight Limitation</u>	<u>N</u>	
6-1-311	<u>General Operations</u>	<u>N</u>	
6-1-401	<u>Appearance of Emissions</u>	<u>N</u>	
<u>SIP BAAQMD Regulation 6</u>	<u>Particulate Matter and Visible Emissions (9/4/9812/19/90)</u>		
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—BI
Source-specific Applicable Requirements
S-531, Organic Liquid Storage Tank
S-532, Organic Liquid Storage Tank
Abated by S-336 or S-389, Thermal Oxidizers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD Regulation 8 Rule 5</u>	<u>Organic Compounds—STORAGE OF ORGANIC LIQUIDS (06/05/02)</u>		
8-5-111	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>Y</u>	
8-5-112	<u>Limited Exemption, Tanks in Operation</u>	<u>Y</u>	
8-5-301	<u>Storage Tank Control Requirements</u>	<u>Y</u>	
8-5-306	<u>Requirements for Approved Emission Control Systems</u>	<u>Y</u>	

IV. Source-specific Applicable Requirements

Table IV—BI
Source-specific Applicable Requirements
S-531, Organic Liquid Storage Tank
S-532, Organic Liquid Storage Tank
Abated by S-336 or S-389, Thermal Oxidizers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-501	Records	Y	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	Y	
BAAQMD Condition #1785			
Part 1	Vapor Tight (Cumulative Increase)	Y	
Part 2	Abatement Requirement (Cumulative Increase, 8-2-301)	Y	

Table IV-BJ
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

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	
SIPBAAQMD Regulation 6	Particulate Matter and Visible Emissions (9/4/9812/19/90)		
6-301	Ringelmann Number 1 Limitation	<u>Y</u> N	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations		

IV. Source-specific Applicable Requirements

Table IV-BJ
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

6-401	Appearance of Emissions	Y	
40 CFR, Part 63, Subpart NNNNN	National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003), See MACT Summary Tables at End of Section IV.	Y	compliance by 4/17/2006
BAAQMD Condition #17985			
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	

Table IV – BK
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

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	

IV. Source-specific Applicable Requirements

Table IV – BK
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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIPBAAQM D Regulation 8 Rule 5	Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/032)		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	<u>Y</u>	
8-5-112	Limited Exemption, Tanks in Operation	<u>Y</u>	
8-5-301	Storage Tank Control Requirements	<u>Y</u>	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	
8-5-328	Tank Degassing Requirements	<u>Y</u>	
8-5-501	Records	<u>Y</u>	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	<u>Y</u>	
BAAQMD Condition #3195			
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-TBD
Source-specific Applicable Requirements
S-584, Drum Filling Station
Filling Abated by A-139, Venturi Scrubber

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

Table IV—BL
Source-specific Applicable Requirements
S-586, Recycle Styrene Storage Tank, T-371
Abated by A-42, B-368 Latex Plant Styrene Scrubber, followed by S-336 or S-389,
Thermal Oxidizers

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
<u>BAAQMD Regulation 8 Rule 5</u>	<u>Organic Compounds—STORAGE OF ORGANIC LIQUIDS (06/05/02)</u>		
8-5-111	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>Y</u>	
8-5-112	<u>Limited Exemption, Tanks in Operation</u>	<u>Y</u>	
8-5-301	<u>Storage Tank Control Requirements</u>	<u>Y</u>	
8-5-307	<u>Requirements for Pressure Tanks and Blanketed Tanks</u>	<u>Y</u>	
8-5-501	<u>Records</u>	<u>Y</u>	
8-5-501.1	<u>Type and Amount of Liquids Stored, Blanket Gases, TVP</u>	<u>Y</u>	

IV. Source-specific Applicable Requirements

Table IV—BL
Source-specific Applicable Requirements
S-586, Recycle Styrene Storage Tank, T-371
Abated by A-42, B-368 Latex Plant Styrene Scrubber, followed by S-336 or S-389,
Thermal Oxidizers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-503	Portable Hydrocarbon Detector	Y	
BAAQMD Condition #4002			
Part 3	Vapor Tight and Abatement Requirement (Cumulative Increase)	Y	
Part 4	Recordkeeping (Cumulative Increase, 2-6-501)	Y	

Table IV-BM
Source-specific Applicable Requirements
S-587, Tank Truck Loading at Latex for Recycle Styrene
Abated by A-141, Vapor Balance System

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 6	Organic Compounds—Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)		
8-6-110	Exemption	Y	
8-6-503	Burden of Proof	Y	
BAAQMD Condition #4002			
Part 1	Annual Throughput Limit (Cumulative Increase)	Y	
Part 2	Abatement Requirement (Cumulative Increase)	Y	
Part 4	Recordkeeping Requirement (Cumulative Increase, 2-6-501)	Y	

Table IV-BN
Source-specific Applicable Requirements
S-588, Drum Filling Station
Filling Abated by A-142, Vapor Balance System or A-177, Container Loading Vapor Balance Line, except for Lorsban 4E-HF

IV. Source-specific Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	Organic Compounds—Miscellaneous Operations (6/15/94)		
8-2-301	Miscellaneous Operations—for the cleaning operations	Y	
BAAQMD Regulation 8, Rule 6	Organic Compounds—Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)		
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	
BAAQMD Condition #3712			
Part 1	Vapor Balancing Requirement (Cumulative Increase)	Y	
Part 5	Chlorinated Solvent—Maximum Combined Annual and Daily Throughput Limits (Cumulative Increase)	Y	
Part 6	Annual and Daily Agricultural Product Drum Loading Limit (Cumulative Increase)	Y	
Part 7	Recordkeeping Requirement (Cumulative Increase, 2-6-501)	Y	

IV. Source-specific Applicable Requirements

Table IV-BO
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
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (7/20/05 <u>6/15/94</u>)		
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	compliance by 4 years, 6 months from Title V Renewal permit issuance date
BAAQMD Condition #4780			
Part 1	POC Emission Limit (Cumulative Increase)	Y	
Part 2	Toxic Compound Emission Limit (Regulation 2, Rule 5 TRMP)	N	
Part 3	Ammonia Emission Limit (Regulation 2, Rule 5 TRMP)	N	
Part 5	Unidentified Emissions (Regulation 2, Rule 5 TRMP)	N	
Part 11	Maximum Annual Rail Car Shipments (Cumulative Increase)	Y	
Part 12	Detectable Off-property Odors (7-301)	N	
Part 14	Product Loading Requirements (Cumulative Increase, Regulation 2, Rule 5 TRMP)	Y	
Part 16	Recordkeeping Requirement (Cumulative Increase, 6-301 , 2-6-501)	Y	
Part 17	Abatement Requirements (Cumulative Increase, 8-2-301)	Y	
Part 18	Source Test Requirement (Cumulative Increase, 8-2-301)	Y	
Part 19	Abatement Requirement after MEI Phase I startup.	Y	
Part 20	Calculation of emissions from MEI Plant 640 to demonstrate compliance with part 1.	Y	
Part 24	Provide final component count for MEI Phase II modifications. Include	Y	

IV. Source-specific Applicable Requirements

	revised fugitive emission calculations for MEI Plant 640.		
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Table IV-BP
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
BAAQMD Regulation 8, Rule 6	Organic Compounds - Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)		
8-6-110	Exemption	Y	
8-6-503	Burden of Proof	Y	
BAAQMD Condition #4780			
Part 5	Unidentified Emission Requirements (Regulation 2, Rule 5TRMP)	N	
Part 6	No Detectable Emissions (Cumulative Increase, Regulation 2, Rule 5TRMP)	Y	
Part 13	Material Handling (Regulation 2, Rule 5TRMP)	N	
Part 16	Recordkeeping Requirement (Cumulative Increase, 6-301, 2-6-501)	Y	

Table IV-BQ
Source-specific Applicable Requirements
S-607, Storage Tank, T-1904
Abated by A-147, B-3210 Scrubber

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	

IV. Source-specific Applicable Requirements

8-5-501	Records	N	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	N	
SIPBAAQMD			
Regulation 8	Organic Compounds - STORAGE OF ORGANIC LIQUIDS		
Rule 5	(06/05/032)		
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	
BAAQMD			
Condition			
#4780			
Part 16	Recordkeeping Requirement (Cumulative Increase, 6-301, 2-6-501)	N	
Part 17	Abatement Requirement (Cumulative Increase)		

Table IV-BR
Source-specific Applicable Requirements
S-609, Acetone Truck Loading Rack
~~**Abated by A-161, Sorbathene for Acetone Truck Loading—**~~
Activated Carbon Adsorption

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Organic Compounds—Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)		
Regulation 8,			
Rule 6			
8-6-114	Exemption, Maintenance and Repair	N	
8-6-302	Bulk Plant Limitations	N	
8-6-302.1	Vapor Recovery Requirement	N	
8-6-302.2	Submerged Fill Requirement	N	
8-6-305	Delivery Vehicle Requirements	N	
8-6-306	Equipment Maintenance	N	
8-6-307	Operating Practices	N	
8-6-501	Records	N	
BAAQMD			

IV. Source-specific Applicable Requirements

Condition #5180			
Part 1	Abatement Requirement (8-6-302.1/2-1-403)	Y	
Part 3	POC Emission Limit, Post-Abatement (8-6-302.1)	Y	
Part 6	Recordkeeping Requirement (2-6-501, 8-6-302.1, 8-6-305, 8-6-306)	Y	
Part 7	Leak Inspection (8-6-305, 8-6-306)	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)		
1-301	Public Nuisance	N	
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	
SIPBAAQMD Regulation 6	Particulate Matter and Visible Emissions (9/4/9812/19/90)		
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	
40 CFR, Part 63, Subpart NNNNN	National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003), <u>See MACT Summary Tables at End of Section IV.</u>	Y	compliance by 4/17/2006
BAAQMD Condition #4945			

IV. Source-specific Applicable Requirements

Table IV-BS
Source-specific Applicable Requirements
S-620, HCL Truck Loading Operation
Abated by A-165, HCl Truck Loading Scrubber System

Part 1	Abatement Requirement (2-1-403)	Y	
Part 2	Visible Emissions (6-301)	Y	
Part 3	Records (2-6-501, 6-301)	Y	

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

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

IV. Source-specific Applicable Requirements

Table IV – ~~TTBD~~
Source-specific Applicable Requirements
[Pressure Tank < 75 m³, Storing liquids with vapor pressure ≤ 0.5 psia]
~~S-209, T-1 Latex Plant~~
S-625, T-610 Perc Expansion Tank, ~~Abated by A-121, IPT Thermal Abatement~~
~~Device or~~ Abated by A-400 (S-400), ~~Experimental~~ Thermal Oxidizer R-901

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD</u> <u>Regulation 8</u> <u>Rule 5</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS (10/18/06)</u>		
8-5-111	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>N</u>	
8-5-112	<u>Limited Exemption, Tanks in Operation</u>	<u>N</u>	
8-5-301	<u>Storage Tank Control Requirements</u>	<u>N</u>	
8-5-307	<u>Requirements for Pressure Tanks and Blanketed Tanks</u>	<u>N</u>	
8-5-328	<u>Tank Degassing Requirements</u>	<u>N</u>	
8-5-331	<u>Tank Cleaning Requirements</u>	<u>N</u>	
8-5-501	<u>Records</u>	<u>N</u>	
8-5-501.1	<u>Type and Amount of Liquids Stored, Blanket Gases, TVP</u>	<u>N</u>	
<u>SIPBAAQMD</u> <u>D</u> <u>Regulation 8</u> <u>Rule 5</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/0302)</u>		
8-5-301	<u>Storage Tank Control Requirements</u>	<u>Y</u>	
8-5-307	<u>Requirements for Pressure Tanks and Blanketed Tanks</u>	<u>Y</u>	
8-5-328	<u>Tank Degassing Requirements</u>	<u>Y</u>	
8-5-501	<u>Records</u>	<u>Y</u>	
8-5-501.1	<u>Type and Amount of Liquids Stored, Blanket Gases, TVP</u>	<u>Y</u>	
<u>40 CFR, Part 63, Subpart EEEE</u>	<u>National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline) (2/3/2004). See MACT Summary Tables at End of Section IV.</u>	<u>Y</u>	
BAAQMD Condition #21059			
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-BT
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)	<u>Y</u>	
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-BU
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)	<u>Y</u>	
BAAQMD Condition #5722			
Part 1	Detectable Emissions (Regulation 2, Rule 5TRMP , 8-1-110.3/2-1-403)	Y	
Part 2	Abatement Requirement (Regulation 2, Rule 5TRMP , 8-1-110.3/2-1-403)	Y	
Part 3	Shut Down (Regulation 2, Rule 5TRMP , 8-1-110.3/2-1-403)	Y	
Part 4	Recordkeeping Requirement (Regulation 2, Rule 5TRMP , 2-6-501, 8-1-110.3/2-1-403)	Y	

IV. Source-specific Applicable Requirements

Table IV—BV
Source-specific Applicable Requirements
S-638, Truck Mounted Bulk Transportable Pressure Tank X-205

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 (06/05/02)		
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	
8-5-501	Records	Y	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
BAAQMD Regulation 8 Rule 6	Organic Compounds—ORGANIC LIQUID BULK TERMINALS AND BULK PLANTS (02/02/94)		
8-6-302	Bulk Plant Limitations	Y	
8-6-501	Records	Y	
BAAQMD Condition #3712			
Part 1	Vapor Balancing Requirement (Cumulative Increase)	Y	
Part 8	Gas Tight Check (8-5-307/2-1-403)	Y	
Part 9	Recordkeeping Requirement (8-5-307/2-1-403, 2-6-501)	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD Regulation 8 Rule 5</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS (10/18/06)</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>N</u>	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
SIPBAAQM D			
Regulation 8 Rule 5	Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/032)		
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	<u>Y</u>	
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	
BAAQMD Condition #1785			
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-BX
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
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	
SIPBAAQMD Regulation 6	Particulate Matter and Visible Emissions (9/4/9812/19/90)		
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	
40 CFR, Part 63, Subpart NNNNN	National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003)	Y	compliance by 4/17/2006
BAAQMD Condition #7775			
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-BY
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
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)		
1-301	Public Nuisance	N	
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	
SIPBAAQMD Regulation 6	Particulate Matter and Visible Emissions (9/4/9812/19/90)		
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	
40 CFR, Part 63, Subpart NNNNN	National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003), <u>See MACT Summary Tables at End of Section IV.</u>	Y	compliance by 4/17/2006
BAAQMD Condition #7775			
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-BZ
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-184, ME-290 A/B Carbon Beds, or
S-336, Manufacturing Services Thermal Oxidizer

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)		
1-301	Public Nuisance	N	
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (<u>7/20/05/15/94</u>)		
8-2-301	Miscellaneous Operations	Y	
40 CFR, Part 63, Subpart NNNNN	National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003), <u>See MACT Summary Tables at End of Section IV.</u>	Y	<u>compliance by 4/17/2006</u>
BAAQMD Condition #8894			
Part 3	Venting Requirement (Cumulative Increase, <u>TRMP Regulation 2, Rule 5</u>)	Y	
Part 4	Pump Specifications (Cumulative Increase, <u>TRMP Regulation 2, Rule 5</u>)	Y	
Part 5	Pressure Relief Valve Specification (Cumulative Increase, <u>TRMP Regulation 2, Rule 5</u>)	Y	
Part 6	Valve Specification (Cumulative Increase, <u>TRMP Regulation 2, Rule 5</u>)	Y	
Part 8	Recordkeeping Requirement (Cumulative Increase, <u>TRMP Regulation 2, Rule 5, 2-6-501</u>)	Y	

IV. Source-specific Applicable Requirements

Table IV-CA
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 ~~A-184, ME 290 A/B Carbon Beds or~~
S-336, Manufacturing Services Thermal Oxidizer

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)		
1-304	Public Nuisance	N	
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	
SIPBAAQMD Regulation 6	Particulate Matter and Visible Emissions (9/4/9812/19/90)		
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	
40 CFR, Part 63, Subpart NNNNN	National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003), <u>See MACT Summary Tables at End of Section IV.</u>	Y	compliance by 4/17/2006
BAAQMD Condition #8894			
Part 10	Abatement Requirement (Cumulative Increase, <u>Regulation 2, Rule 5TRMP</u>)	Y	
Part 11	Monitoring of Organic Concentration (Cumulative Increase, <u>Regulation 2, Rule 5TRMP</u>)	Y	

IV. Source-specific Applicable Requirements

Table IV-CA
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 ~~A-184, ME 290 A/B Carbon Beds or~~
S-336, Manufacturing Services Thermal Oxidizer

Part 12	Monitoring and Shutdown (Cumulative Increase, Regulation 2, Rule 5TRMP)	Y	
Part 13	Annual POC and HCl Emission Limits (Cumulative Increase, Regulation 2, Rule 5TRMP)	Y	
Part 14	Recordkeeping Requirement (Cumulative Increase, Regulation 2, Rule 5TRMP, 2-6-501)	Y	

Table IV-CB
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 ~~A-184, ME 290A/B Carbon Beds or~~ S-336, Manufacturing
Services Thermal Oxidizer

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	<u>N</u>	
6-1-305	Visible Particles	<u>N</u>	
6-1-310	Particulate Weight Limitation	<u>N</u>	
6-1-311	General Operations	<u>N</u>	
6-1-401	Appearance of Emissions	<u>N</u>	
SIPBAAQMD Regulation 6	Particulate Matter and Visible Emissions (9/4/9812/19/90)		
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-CB

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 ~~A-184, ME 290A/B Carbon Beds~~ or S-336, Manufacturing Services Thermal Oxidizer

40 CFR, Part 63, Subpart NNNNN	National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003), <u>See MACT Summary Tables at End of Section IV.</u>	Y	<u>compliance by 4/17/2006</u>
BAAQMD Condition #8894			
Part 16	Abatement Requirement (<u>Regulation 2, Rule 5TRMP</u>)	N	
Part 17	Recordkeeping Requirement (<u>Regulation 2, Rule 5TRMP</u>)	N	

Table IV-CC

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 ~~A-184, ME 290A/B Carbon Beds~~ or S-336, Manufacturing Services Thermal Oxidizer

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD Regulation 6, Rule 1</u>	<u>Particulate Matter and Visible Emissions (12/5/07)</u>		
<u>6-1-301</u>	<u>Ringelmann Number 1 Limitation</u>	<u>N</u>	
<u>6-1-305</u>	<u>Visible Particles</u>	<u>N</u>	
<u>6-1-310</u>	<u>Particulate Weight Limitation</u>	<u>N</u>	
<u>6-1-311</u>	<u>General Operations</u>	<u>N</u>	
<u>6-1-401</u>	<u>Appearance of Emissions</u>	<u>N</u>	
<u>SIPBAAQMD Regulation 6</u>	<u>Particulate Matter and Visible Emissions (9/4/9812/19/90)</u>		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	

IV. Source-specific Applicable Requirements

Table IV-CC
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 ~~A-184, ME 290A/B Carbon Beds~~ or S-336,
Manufacturing Services Thermal Oxidizer

6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
40 CFR, Part 63, Subpart NNNNN	National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003), See MACT Summary Tables at End of Section IV.	Y	compliance by 4/17/2006
BAAQMD Condition #8894			
Part 19	Abatement Requirement (Regulation 2, Rule 5TRMP)	N	
Part 20	Recordkeeping Requirement (Regulation 2, Rule 5TRMP , 2-6-501)	Y	

Table IV-CD
Source-specific Applicable Requirements
S-654, Abrasive Blasting Operation
Abated by A-185, Eagle Containment Screens

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	
6-1-311	General Operations	N	
SIPBAAQMD Regulation 6	Particulate Matter and Visible Emissions (9/4/9812/19/90) (for permanent confined blasting operation)		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-311	General Operations	Y	
BAAQMD Regulation	Miscellaneous Standards of Performance – Sandblasting (7/11/90) (for unconfined blasting operation)		

IV. Source-specific Applicable Requirements

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

12, Rule 4			
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	
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance – Sandblasting (9/2/81)		
12-4-301	Ringelmann 1 Limitation	Y	
BAAQMD Condition #8591			
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- <u>1</u> -301/2-1-403)	Y	

**Table IV – CE
 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
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IV. Source-specific Applicable Requirements

Table IV – CE
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
<u>BAAQMD Regulation 8 Rule 5</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS (10/18/06)</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>N</u>	
<u>8-5-112</u>	<u>Limited Exemption, Tanks in Operation</u>	<u>N</u>	
<u>8-5-301</u>	<u>Storage Tank Control Requirements</u>	<u>N</u>	
<u>8-5-307</u>	<u>Requirements for Pressure Tanks and Blanketed Tanks</u>	<u>N</u>	
<u>8-5-328</u>	<u>Tank Degassing Requirements</u>	<u>N</u>	
<u>8-5-331</u>	<u>Tank Cleaning Requirements</u>	<u>N</u>	
<u>8-5-501</u>	<u>Records</u>	<u>N</u>	
<u>8-5-501.1</u>	<u>Type and Amount of Liquids Stored, Blanket Gases, TVP</u>	<u>N</u>	
<u>SIPBAAQMD Regulation 8 Rule 5</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS (6/5/0344/27/02)</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>Y</u>	
<u>8-5-112</u>	<u>Limited Exemption, Tanks in Operation</u>	<u>Y</u>	
<u>8-5-301</u>	<u>Storage Tank Control Requirements</u>	<u>Y</u>	
<u>8-5-307</u>	<u>Requirements for Pressure Tanks and Blanketed Tanks</u>	<u>Y</u>	
<u>8-5-328</u>	<u>Tank Degassing Requirements</u>	<u>Y</u>	
<u>8-5-501</u>	<u>Records</u>	<u>Y</u>	
<u>8-5-501.1</u>	<u>Type and Amount of Liquids Stored, Blanket Gases, TVP</u>	<u>Y</u>	
<u>8-5-503</u>	<u>Portable Hydrocarbon Detector</u>	<u>Y</u>	
<u>40 CFR, Part 63, Subpart EEEE</u>	<u>National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline) (2/3/2004), See MACT Summary Tables at End of Section IV.</u>	<u>Y</u>	
BAAQMD Condition #14438			
Part 4	Emissions Control (Cumulative Increase, 8-5-307)	Y	

IV. Source-specific Applicable Requirements

Table IV – CE
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
Part 6	A-192 shall emit no more than 1.233 pounds per day of methylene chloride. (BACT)	<u>Y</u>	
Part 8	Recordkeeping Requirements (Cumulative Increase, BACT, 2-6-501)	Y	

Table IV—CF
Source-specific Applicable Requirements
S-675, Carbon Tetrachloride Railcar Storage Tank

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 (06/05/02)		
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	
BAAQMD Condition #13335			
Part 1	Throughput Limit (Cumulative Increase)	Y	
Part 2	Annual Unloading Event Limit (Cumulative Increase)	Y	
Part 3	Recordkeeping Requirement (Cumulative Increase, 2-6-501)	-Y	

IV. Source-specific Applicable Requirements

Table IV-CG
Source-specific Applicable Requirements
S-680, Pressure Tank, T-440

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

IV. Source-specific Applicable Requirements

Table IV-CG
Source-specific Applicable Requirements
S-680, Pressure Tank, T-440

Part 2	Maximum Combined Unloading Events (Cumulative Increase)	Y	
Part 3	Recordkeeping Requirement (Cumulative Increase, 2-6-501)	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 6	Organic Compounds - Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)		
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	
BAAQMD Condition #14354			
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	

Table IV-CI
Source-specific Applicable Requirements
S-682, Groundwater Treatment Plant Air Stripper
Abated by S-336 or S-389, Thermal Oxidizers

IV. Source-specific Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 47	Organic Compounds—Air Stripping and Soil Vapor Extraction Operations (6/15/94)		
8-47-301	Emission Control Requirement, Specific Compounds	Y	
8-47-501	Records	Y	
8-47-601	Air Stripper Water Sampling	Y	
BAAQMD Condition #14722			
Part 1	Abatement Requirement (Cumulative Increase, Offsets, 8-47-301)	Y	
Part 2	Annual Throughput Limit for Ground Water Treated (Cumulative Increase, Offsets)	Y	
Part 3	Annual Throughput Limit for VOC Feed (Cumulative Increase, Offsets)	Y	
Part 4	Carbon Tetrachloride Feed Limit (Cumulative Increase, TRMP)	Y	
Part 5	Recordkeeping Requirement (Cumulative Increase, Offsets, TRMP, 2-6-501)	Y	

Table IV—CJ
Source-specific Applicable Requirements
S-683, Storage Vessel, D-110A

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 (11/27/02)		
8-5-301	Storage Tank Control Requirements for Tanks with Capacity > 37.5 m ³ and < 75 m ³	Y	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	
8-5-501	Records	Y	
BAAQMD Condition #15372			

IV. Source-specific Applicable Requirements

Table IV—CJ
Source-specific Applicable Requirements
S-683, Storage Vessel, D-110A

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Pressure Relief Valve (8-5-307)	Y	
Part 2	Vapor Balance Line (Cumulative Increase)	Y	
Part 3	Annual Throughput Limit (Cumulative Increase)	Y	
Part 4	Recordkeeping Requirement (Cumulative Increase, 2-6-501)	Y	
Part 5	Vapor pressure \leq 0.5 psia at 25 degrees C (2-1-301, 8-6-110)	Y	

Table IV-CK
Source-specific Applicable Requirements
S-684, Dowicil Packaging System
Abated by A-193, Cartridge Dust Collector System

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
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	
BAAQMD Condition #15944			
Part 1	Annual Abated PM10 Emission Limit (Cumulative Increase)	Y	
Part 2	Abatement Requirement (Cumulative Increase)	Y	
Part 3	Monitoring Requirement (Cumulative Increase, Regulation 6)	Y	
Part 4	Recordkeeping Requirement (Cumulative Increase, 1-441, 2-6-501, 6/2-1-403)	Y	

IV. Source-specific Applicable Requirements

Table IV-CL
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
<u>BAAQMD Regulation 6, Rule 1</u>	<u>Particulate Matter and Visible Emissions (12/5/07)</u>		
<u>6-1-301</u>	<u>Ringelmann Number 1 Limitation</u>	<u>N</u>	
<u>6-1-305</u>	<u>Visible Particles</u>	<u>N</u>	
<u>6-1-310</u>	<u>Particulate Weight Limitation</u>	<u>N</u>	
<u>6-1-311</u>	<u>General Operations</u>	<u>N</u>	
<u>6-1-401</u>	<u>Appearance of Emissions</u>	<u>N</u>	
<u>SIPBAAQMD Regulation 6</u>	<u>Particulate Matter and Visible Emissions (9/4/9812/19/90)</u>		
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	
<u>BAAQMD Regulation 8, Rule 2</u>	<u>Organic Compounds – Miscellaneous Operations (7/20/056/15/94)</u>		
8-2-301	Miscellaneous Operations	Y	
<u>BAAQMD Regulation 8, Rule 10</u>	<u>Organic Compounds – Process Vessel Depressurization (1/21/04)</u>		
<u>8-10-301</u>	<u>Process Vessel Depressurizing</u>	<u>N</u>	
<u>8-10-302</u>	<u>Opening of Process Vessels</u>	<u>N</u>	
<u>SIPBAAQMD Regulation 8, Rule 10</u>	<u>Organic Compounds – Process Vessel Depressurization (10/3/847/20/83)</u>		
8-10-301	Process Vessel Depressurizing	Y	

IV. Source-specific Applicable Requirements

Table IV-CL
Source-specific Applicable Requirements
S-693, Distillation System
Abated by A-194, X-600 Venturi and A-195, B-615 Scrubber

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 63, Subpart NNNNN	National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003)	N	compliance by 4/17/2006
BAAQMD Condition #15932			
Part 1	Annual Combined POC Emission Limit for S-693 and S-694 (Cumulative Increase, Offsets)	Y	
Part 2	Abatement Requirement (Regulation 2, Rule 5TRMP , Offsets)	Y	
Part 8	Recordkeeping Requirement (Cumulative Increase, Offsets, Regulation 2, Rule 5TRMP , 2-6-501)	Y	
BAAQMD Condition #21060			
Part 2	Recordkeeping Requirement (2-6-501, 8-10-301)	N	

Table IV-CM
Source-specific Applicable Requirements
S-694, Reaction/HCL Absorption System
Abated by A-195, B-615 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	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)		
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	
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (7/20/95/6/15/94)		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 8, Rule 10	Organic Compounds – Process Vessel Depressurization (1/21/04/7/20/83)		
8-10-301	Process Vessel Depressurizing	N	
8-10-302	Opening of Process Vessels	N	
SIP Regulation 8, Rule 10	Organic Compounds – Process Vessel Depressurization (10/3/84)		
8-10-301	Process Vessel Depressurizing	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	compliance by 4 years, 6 months from Title V Renewal permit issuance date
40 CFR, Part 63, Subpart NNNNN	National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003)	Y	compliance by 4/17/2006

IV. Source-specific Applicable Requirements

Table IV-CM
Source-specific Applicable Requirements
S-694, Reaction/HCL Absorption System
Abated by A-195, B-615 Scrubber

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #15932			
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 5TRMP)	Y	
Part 8	Recordkeeping Requirement (Cumulative Increase, Offsets, Regulation 2, Rule 5TRMP , 2-6-501)	Y	
BAAQMD Condition #21060			
Part 2	Recordkeeping Requirement (2-6-501, 8-10-301)	Y	

Table IV-CN
Source-specific Applicable Requirements
S-695, Storage Tank, T-58026 [[Pressure Tank < 75 m3](#)]

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	

IV. Source-specific Applicable Requirements

Table IV–CN
Source-specific Applicable Requirements
S-695, Storage Tank, T-58026 [Pressure Tank < 75 m3]

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>SIPBAAQM</u> D Regulation 8 Rule 5	Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/032)		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>Y</u>	
<u>8-5-112</u>	<u>Limited Exemption, Tanks in Operation</u>	<u>Y</u>	
<u>8-5-301</u>	<u>Storage Tank Control Requirements</u>	<u>Y</u>	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	
<u>8-5-328</u>	<u>Tank Degassing Requirements</u>	<u>Y</u>	
<u>8-5-501</u>	<u>Records</u>	<u>Y</u>	
<u>8-5-501.1</u>	<u>Type and Amount of Liquids Stored, Blanket Gases, TVP</u>	<u>Y</u>	
<u>8-5-503</u>	<u>Portable Hydrocarbon Detector</u>	<u>Y</u>	
BAAQMD Condition #15932			
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–CO
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
<u>BAAQMD</u> <u>Regulation 8</u> <u>Rule 5</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS</u> <u>(10/18/06)</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>N</u>	
<u>8-5-112</u>	<u>Limited Exemption, Tanks in Operation</u>	<u>N</u>	
<u>8-5-301</u>	<u>Storage Tank Control Requirements</u>	<u>N</u>	
<u>8-5-307</u>	<u>Requirements for Pressure Tanks and Blanketed Tanks</u>	<u>N</u>	
<u>8-5-328</u>	<u>Tank Degassing Requirements</u>	<u>N</u>	
<u>8-5-331</u>	<u>Tank Cleaning Requirements</u>	<u>N</u>	
<u>8-5-501</u>	<u>Records</u>	<u>N</u>	
<u>8-5-501.1</u>	<u>Type and Amount of Liquids Stored, Blanket Gases, TVP</u>	<u>N</u>	
<u>SIPBAAQMD</u> <u>Regulation 8</u> <u>Rule 5</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS</u> <u>(06/05/032)</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>Y</u>	
<u>8-5-112</u>	<u>Limited Exemption, Tanks in Operation</u>	<u>Y</u>	
<u>8-5-301</u>	<u>Storage Tank Control Requirements</u>	<u>Y</u>	
<u>8-5-307</u>	<u>Requirements for Pressure Tanks and Blanketed Tanks</u>	<u>Y</u>	
<u>8-5-328</u>	<u>Tank Degassing Requirements</u>	<u>Y</u>	
<u>8-5-501</u>	<u>Records</u>	<u>Y</u>	
<u>8-5-501.1</u>	<u>Type and Amount of Liquids Stored, Blanket Gases, TVP</u>	<u>Y</u>	
<u>8-5-503</u>	<u>Portable Hydrocarbon Detector</u>	<u>Y</u>	
<u>BAAQMD</u> <u>Condition</u> <u>#15932</u>			
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-CP
 Source-specific Applicable Requirements
 S-697, ISO Container Loading Operation
 Abated by Vapor Balance System**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 6	Organic Compounds - Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)		
8-6-110	Exemption	Y	
8-6-503	Burden of Proof	Y	
BAAQMD Condition #15932			
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-CQ
 Source-specific Applicable Requirements
 S-699, Purge Tank/Drum Loading Operation**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 6	Organic Compounds - Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)		
8-6-110	Exemption	Y	
8-6-503	Burden of Proof	Y	
BAAQMD Condition #15932			
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 – CR
 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**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD</u> <u>Regulation 8</u> <u>Rule 5</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS (10/18/06)</u>		
8-5-111	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>N</u>	
8-5-112	<u>Limited Exemption, Tanks in Operation</u>	<u>N</u>	
8-5-301	<u>Storage Tank Control Requirements</u>	<u>N</u>	
8-5-306	<u>Requirements for Approved Emission Control Systems</u>	<u>N</u>	
8-5-307	<u>Requirements for Pressure Tanks and Blanketed Tanks</u>	<u>N</u>	
8-5-501	<u>Records</u>	<u>N</u>	
8-5-501.1	<u>Type and Amount of Liquids Stored, Blanket Gases, TVP</u>	<u>N</u>	
<u>SIPBAAQMD</u> <u>D</u> <u>Regulation 8</u> <u>Rule 5</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/032)</u>		
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	
<u>BAAQMD</u> <u>Regulation 8</u> <u>Rule 6</u>	<u>Organic Compounds – ORGANIC LIQUID BULK TERMINALS AND BULK PLANTS (02/02/94)</u>		
8-6-304	Deliveries to Storage Tanks	Y	
8-6-501	Records	Y	
<u>BAAQMD</u> <u>Condition</u> <u>#16612</u>			
Part 1	Annual Throughput Limit (<u>Regulation 2, Rule 5TRMP</u>)	N	
Part 2	Venting Requirement (8-5-301, 8-5-306 or 8-5-307)	Y	

IV. Source-specific Applicable Requirements

Table IV – CR
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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 3	Recordkeeping Requirement (Regulation 2, Rule 5TRMP , 2-6-501, 8-5-501.1)	Y	

Table IV—CS
Source-specific Applicable Requirements
~~[Pressure Vessel, no Pressure Vacuum Valve]~~
FUTURE Source: S-704, Acrylonitrile Storage Tank D-120A

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 (06/05/02)		
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	†
BAAQMD Condition #17878			
Part 1	Pressure Relieve Valve Requirement (8-5-303)	Y	†
Part 2	Gas Tight Vapor Balance (Cumulative Increase)	Y	†
Part 3	Throughput Limit (Cumulative Increase)	Y	†
Part 4	Recordkeeping (Cumulative Increase, 2-6-501)	Y	†

¹ Upon startup

IV. Source-specific Applicable Requirements

Table IV-CT
Source-specific Applicable Requirements
S-705, Shot Blast Unit
Abated by A-198, Dust Collector

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-304	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 #17683			
Part 1	Maximum Annual Abrasive Throughput Limit (Cumulative Increase)	Y	
Part 2	Abatement Requirement (Cumulative Increase)	Y	
Part 3	Recordkeeping Requirement (Cumulative Increase, 2-6-501)	Y	

Table IV-CU
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
SIP Regulation 1	General Provisions and Definitions (6/28/99)		
1-110.2	Exclusions	Y	
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/07)		
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	
SIPBAAQMD Regulation	Particulate Matter and Visible Emissions (9/4/9812/19/90)		

IV. Source-specific Applicable Requirements

Table IV-CU
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
6			
6-303	Ringelmann Number 2 Limitation	<u>YN</u>	
6-303.1	Standby Engines	<u>N</u>	
6-305	Visible Particles	<u>YN</u>	
6-310	Particulate Weight Limitation	<u>YN</u>	
6-401	Appearance of Emissions	<u>YN</u>	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Operations	N	
9-1-304	Fuel Sulfur Content Limitation	N	
BAAQMD Regulation 9, Rule 8	Inorganic Gaseous Pollutants—NOx and CO (8/1/01)		
9-8-330	Emergency Standby Engines, Hours of Operation	<u>N</u>	
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	<u>N</u>	
BAAQMD Regulation 9, Rule 8	<u>Inorganic Gaseous Pollutants-Nitrogen Oxides from Stationary Engines (7/25/07)</u>		
9-8-110	<u>Exemptions</u>		
9-8-110.5	<u>Limited Exemption Emergency Standby Engines</u>	<u>N</u>	
9-8-330	<u>Emergency Standby Engines, Hours of Operation</u>	<u>N</u>	
9-8-330.1	<u>Unlimited hours for emergency use</u>	<u>N</u>	
9-8-330.3	<u>50 hours for reliability and maintenance</u>	<u>N</u>	
9-8-530	<u>Emergency standby engines, monitoring and recordkeeping</u>	<u>N</u>	
40 CFR Part 63 Subpart ZZZZ	<u>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.</u>	<u>Y</u>	See 63.6595(b)
Section 93115, title 17, CCR	<u>Airborne Toxic Control Measure for Stationary Compression Ignition Engines</u>		
93115.3(n)	<u>Requirements of 93.115.6(b)(3) does not apply to direct driven fire pump assemblies.</u>	<u>N</u>	
93115.5(b)	<u>Fuel Requirements</u>	<u>N</u>	

IV. Source-specific Applicable Requirements

Table IV-CU
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
93115.10	Recordkeeping, Reporting and Monitoring Requirements	<u>N</u>	
93115.10(a)	Reporting	<u>N</u>	
93115.10(c)	Demonstration of Compliance with Emission Limits	<u>N</u>	
93115.10(e)	Monitoring Equipment	<u>N</u>	
93115.10(g)	Monthly Log: Data Required	<u>N</u>	
93115.10(g)	Data Log Retention	<u>N</u>	
93115.12	Tiered Compliance Schedule	<u>N</u>	
BAAQMD Condition #18317			
Part 1	Fuel Sulfur Content Limitation (Cumulative Increase)	<u>N</u>	
Part 2	Operating Limits (9-8-330, Offsets)	<u>N</u>	
Part 3	Definition of "Emergency Conditions" (9-8-231)	<u>N</u>	
Part 4	Definition of "Reliability related activities" (9-8-232)	<u>N</u>	
Part 5	Monitoring Requirement (9-8-530, Offsets)	<u>N</u>	
Part 6	Recordkeeping Requirement (1-441, 2-6-501, 9-8-530)	<u>N</u>	
Part 7	Soot Filter (2-1-302)	<u>N</u>	
<u>BAAQMD Condition #22850</u>			
part 1	50 hours/year for reliability-related testing. (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)	<u>N</u>	
part 2	Unlimited Emergency Use. (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)	<u>N</u>	
part 3	Totalizing Meter. (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)	<u>N</u>	
part 4	Recordkeeping. (Stationary Diesel Engine ATCM" section 93115, title 17 CCR, Regulation 2-6-501)	<u>N</u>	
part 5	Near School Conditions. (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)	<u>N</u>	

IV. Source-specific Applicable Requirements

Table IV-CV
Source-specific Applicable Requirements
S-707, Diesel Engine, ~~Fire Pump Backup Generator~~ P1A
S-708, Diesel Engine, ~~Fire Pump Backup Generator~~ P1B
~~S-710, Diesel Engine Backup Generator 480A~~
S-711, Diesel Engine Backup Generator 223

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 1	General Provisions and Definitions (6/28/99)		
1-110.2	Exclusions	Y	
<u>BAAQMD Regulation 6, Rule 1</u>	<u>Particulate Matter, General Requirements (12/5/07)</u>		
<u>6-1-303</u>	<u>Ringelmann Number 2 Limitation</u>	<u>N</u>	
<u>6-1-305</u>	<u>Visible Particles</u>	<u>N</u>	
<u>6-1-310</u>	<u>Particulate Weight Limitation</u>	<u>N</u>	
<u>6-1-401</u>	<u>Appearance of Emissions</u>	<u>N</u>	
SIPBAAQMD Regulation 6	Particulate Matter and Visible Emissions (9/4/9812/19/90)		
6-303	Ringelmann Number 2 Limitation	<u>YN</u>	
6-303.1	Standby Engines	<u>N</u>	
6-305	Visible Particles	<u>YN</u>	
6-310	Particulate Weight Limitation	<u>YN</u>	
6-401	Appearance of Emissions	<u>YN</u>	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Operations	N	
9-1-304	Fuel Sulfur Content Limitation	N	
BAAQMD Regulation 9, Rule 8	Inorganic Gaseous Pollutants—NOx and CO (8/1/01)		
9-8-330	Emergency Standby Engines, Hours of Operation	<u>N</u>	
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	<u>N</u>	
<u>BAAQMD Regulation 9, Rule 8</u>	<u>Inorganic Gaseous Pollutants-Nitrogen Oxides from Stationary Engines (7/25/07)</u>		
<u>9-8-110</u>	<u>Exemptions</u>		
<u>9-8-110.5</u>	<u>Limited Exemption Emergency Standby Engines</u>	<u>N</u>	

IV. Source-specific Applicable Requirements

Table IV-CV
Source-specific Applicable Requirements
S-707, Diesel Engine, ~~Fire Pump Backup Generator~~ P1A
S-708, Diesel Engine, ~~Fire Pump Backup Generator~~ P1B
~~S-710, Diesel Engine Backup Generator 480A~~
S-711, Diesel Engine Backup Generator 223

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-8-330	Emergency Standby Engines, Hours of Operation	<u>N</u>	
9-8-330.1	Unlimited hours for emergency use	<u>N</u>	
9-8-330.3	50 hours for reliability and maintenance	<u>N</u>	
9-8-530	Emergency standby engines, monitoring and recordkeeping	<u>N</u>	
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.	<u>Y</u>	See 63.6595(b)
Section 93115, title 17, CCR	Airborne Toxic Control Measure for Stationary Compression Ignition Engines		
93115.3(n)	Requirements of 93.115.6(b)(3) does not apply to direct driven fire pump assemblies. (S-707, S-708)	<u>N</u>	
93115.5(b)	Fuel Requirements	<u>N</u>	
93115.6(b)(3)(A)	PM Emission Standards & Maximum Hours of Operation for Maintenance and Testing (S-711)	<u>N</u>	
93115.6(b)(3)(B)	Applicable Emissions Standards for HC, NO_x, NMHC+NO_x, and CO (S-711)	<u>N</u>	
93115.10	Recordkeeping, Reporting and Monitoring Requirements	<u>N</u>	
93115.10(a)	Reporting	<u>N</u>	
93115.10(c)	Demonstration of Compliance with Emission Limits	<u>N</u>	
93115.10(e)	Monitoring Equipment	<u>N</u>	
93115.10(g)	Monthly Log: Data Required	<u>N</u>	
93115.10(g)	Data Log Retention	<u>N</u>	
93115.12	Tiered Compliance Schedule	<u>N</u>	
BAAQMD Condition #19724			
Part 1	Operating Limits (9-8-330)	<u>N</u>	
Part 2	Definition of "Emergency Conditions" (9-8-231)	<u>N</u>	
Part 3	Definition of "Reliability related activities" (9-8-232)	<u>N</u>	
Part 4	Monitoring Requirement (9-8-530)	<u>N</u>	

IV. Source-specific Applicable Requirements

Table IV-CV
Source-specific Applicable Requirements
S-707, Diesel Engine, ~~Fire Pump Backup Generator~~ P1A
S-708, Diesel Engine, ~~Fire Pump Backup Generator~~ P1B
~~S-710, Diesel Engine Backup Generator 480A~~
S-711, Diesel Engine Backup Generator 223

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 5	<u>Recordkeeping Requirement (1-441, 2-6-501, 9-1-304, 9-8-530)</u>	N	
<u>BAAQMD Condition #25675</u>	<u>This Condition applies to S-707 and S-708.</u>		
<u>part 1</u>	<u>50 hours/year for testing requirements under NFPA 25. (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)</u>	N	
<u>part 2</u>	<u>Unlimited Emergency Use. (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)</u>	N	
<u>part 3</u>	<u>Totalizing Meter. (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)</u>	N	
<u>part 4</u>	<u>Recordkeeping. (Stationary Diesel Engine ATCM" section 93115, title 17 CCR, Regulation 2-6-501)</u>	N	
<u>part 5</u>	<u>Near School Conditions. (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)</u>	N	
<u>BAAQMD Condition #22850</u>	<u>This Condition applies to S-711.</u>		
<u>part 1</u>	<u>50 hours/year for maintenance and testing. (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)</u>	N	
<u>part 2</u>	<u>Unlimited Emergency Use. (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)</u>	N	
<u>part 3</u>	<u>Totalizing Meter. (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)</u>	N	
<u>part 4</u>	<u>Recordkeeping. (Stationary Diesel Engine ATCM" section 93115, title 17 CCR, Regulation 2-6-501)</u>	N	
<u>part 5</u>	<u>Near School Conditions. (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)</u>	N	

IV. Source-specific Applicable Requirements

Table IV-CW
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
SIP Regulation 1	General Provisions and Definitions (6/28/99)		
1-110.2	Exclusions	Y	
<u>BAAQMD Regulation 6, Rule 1</u>	<u>Particulate Matter, General Requirements (12/5/07)</u>		
<u>6-1-303</u>	<u>Ringelmann Number 2 Limitation</u>	<u>N</u>	
<u>6-1-305</u>	<u>Visible Particles</u>	<u>N</u>	
<u>6-1-310</u>	<u>Particulate Weight Limitation</u>	<u>N</u>	
<u>6-1-401</u>	<u>Appearance of Emissions</u>	<u>N</u>	
<u>SIPBAAQMD Regulation 6</u>	<u>Particulate Matter and Visible Emissions (9/4/9812/19/99)</u>		
6-303	Ringelmann Number 2 Limitation	<u>YN</u>	
<u>6-303.1</u>	<u>Standby Engines</u>	<u>N</u>	
6-305	Visible Particles	<u>YN</u>	
6-310	Particulate Weight Limitation	<u>YN</u>	
6-401	Appearance of Emissions	<u>YN</u>	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Operations	<u>YN</u>	
<u>9-1-302</u>	<u>General Emission Limitation</u>	<u>Y</u>	
<u>9-1-304</u>	<u>Fuel Sulfur Content Limitation</u>	<u>N</u>	
<u>BAAQMD Regulation 9, Rule 8</u>	<u>Inorganic Gaseous Pollutants-Nitrogen Oxides from Stationary Engines (7/25/07)</u>		
<u>9-8-110.5</u>	<u>Limited Exemption Emergency Standby Engines</u>	<u>N</u>	
<u>9-8-330</u>	<u>Emergency Standby Engines, Hours of Operation</u>	<u>N</u>	
<u>9-8-330.1</u>	<u>Unlimited hours for emergency use</u>	<u>N</u>	
<u>9-8-330.3</u>	<u>50 hours for reliability and maintenance</u>	<u>N</u>	
BAAQMD Regulation 9, Rule 8	Inorganic Gaseous Pollutants—NOx and CO (8/1/01)		
<u>9-8-330</u>	<u>Emergency Standby Engines, Hours of Operation</u>	<u>N</u>	
<u>9-8-530</u>	<u>Emergency Standby Engines, Monitoring and Recordkeeping</u>	<u>N</u>	

IV. Source-specific Applicable Requirements

Table IV-CW
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 A	National Emissions Standards for Hazardous Air Pollutants for Source Categories, Subpart A – General Provisions		
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	
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)
BAAQMD Condition #19724			
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	

IV. Source-specific Applicable Requirements

Table IV-CX
Source-specific Applicable Requirements
~~FUTURE Source: S-712, Sulfuryl Fluoride Plant~~
~~HCl Emissions from B-40 Abated by S-434, Manufacturing Services Facility~~
~~Followed by A-199, Manufacturing Services Scrubber B-12 or~~
~~HCl Emissions from B-40 Abated by A-87 and A-85, Acid Absorbers, Followed by A-~~
~~199 Manufacturing Services Scrubber B-12 All other Emissions Abated by A-201,~~
~~Venturi Scrubber X-100 and A-202,~~
~~Caustic Scrubber B-105~~

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
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 Regulation 9, Rule 1	Inorganic Gaseous Pollutants—Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	Y	+
9-1-302	General Emission Limitation	Y	+
40 CFR, Part 63, Subpart NNNNN	National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003)	Y	Compliance by 4/17/2006
BAAQMD Condition #20303			
Part 1	Annual Abated Emission Limits for Sulfuryl Fluoride, HF, HCl, and SO ₂ (Cumulative Increase, TRMP)	Y	
Part 2	Abatement Requirement (TRMP)	Y	+
Part 3	Abatement Requirement (TRMP)	Y	+
Part 4	Minimum Abatement Efficiency (TRMP)	Y	+
Part 5	Monitoring (TRMP)	Y	+
Part 6	Sampling (Cumulative Increase, TRMP, 2-6-501)	Y	+
Part 7	Recordkeeping and Monitoring (Cumulative Increase, TRMP, 2-6-501, 2-6-503)	Y	+

⁺ Upon Start-up

IV. Source-specific Applicable Requirements

Table IV-TBD
Source-specific Applicable Requirements
S-718, Nitrapyrin Plant

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
<u>BAAQMD Regulation 8, Rule 18</u>	<u>Organic Compounds – Equipment Leaks (9/15/04)</u>		
<u>8-18-110</u>	<u>Exemption, Controlled Seal Systems and Pressure Relief Devices</u>	<u>N</u>	
<u>8-18-112</u>	<u>Exemption, Bulk Plant and Terminal Loading Racks</u>	<u>N</u>	
<u>8-18-113</u>	<u>Limited Exemption, Initial Boiling Point</u>	<u>N</u>	
<u>8-18-115</u>	<u>Limited Exemption, Storage Tanks</u>	<u>N</u>	
<u>8-18-116</u>	<u>Limited Exemption, Vacuum Service</u>	<u>N</u>	
<u>8-18-117</u>	<u>Limited Exemption, Visual Inspection</u>	<u>N</u>	
<u>8-18-301</u>	<u>General</u>	<u>N</u>	
<u>8-18-302</u>	<u>Valves</u>	<u>N</u>	
<u>8-18-303</u>	<u>Pumps and Compressors</u>	<u>N</u>	
<u>8-18-304</u>	<u>Connections</u>	<u>N</u>	
<u>8-18-305</u>	<u>Pressure Relief Devices</u>	<u>N</u>	
<u>8-18-306</u>	<u>Non-repairable Equipment</u>	<u>N</u>	
<u>8-18-307</u>	<u>Liquid Leak</u>	<u>N</u>	
<u>8-18-401</u>	<u>Inspection</u>	<u>N</u>	
<u>8-18-402</u>	<u>Identification</u>	<u>N</u>	
<u>8-18-403</u>	<u>Visual Inspection Schedule</u>	<u>N</u>	
<u>8-18-404</u>	<u>Alternative Inspection Schedule</u>	<u>N</u>	
<u>8-18-502</u>	<u>Records</u>	<u>N</u>	
<u>BAAQMD Condition #24763</u>			
<u>Part 1</u>	<u>Construct and operate plant as described in Application No. 21858 (2-2-419)</u>	<u>Y</u>	
<u>Part 2</u>	<u>Final component counts for fugitive components. (Cumulative Increase Offsets, Regulation 2-5)</u>	<u>Y</u>	
<u>Part 3</u>	<u>Leak standard for valves. (BACT, Regulation 8, Rule 18)</u>	<u>Y</u>	
<u>Part 4</u>	<u>Leak standard for flanges and connectors. (Regulation 8, Rule 18)</u>	<u>Y</u>	
<u>Part 5</u>	<u>Leak standard for pumps in organic liquid service. (Regulation 8, Rule 18, Cumulative Increase, Offsets)</u>	<u>Y</u>	
<u>Part 6</u>	<u>Inspection frequency. (2-2-419, Regulation 8, Rule 18)</u>	<u>Y</u>	

IV. Source-specific Applicable Requirements

Table IV-TBD
Source-specific Applicable Requirements
S-718, Nitrapyrin Plant

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
<u>Part 7</u>	<u>POC emission limits for fugitive components. (2-2-419, Cumulative Increase, Offsets)</u>	<u>Y</u>	
<u>Part 8</u>	<u>Reporting if leak rate exceeds 5000 ppm of TOC.</u>	<u>Y</u>	
<u>Part 9</u>	<u>Recordkeeping (Offsets, Recordkeeping)</u>	<u>Y</u>	

Table IV-TBD
Source-specific Applicable Requirements
S-720 (T-310) Organic Mix, S-725 (V-250) Aqueous Mix
S-726 (T-112) Emulsion Storage, 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) Product Check Tank, S-734 N-Serve TG Isotainer
S-735 (T-751) Proxell Tote

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
<u>BAAQMD Regulation 8 Rule 5</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS (10/18/06)</u>		
<u>8-5-117</u>	<u>Limited Exemption, Vapor Pressure less than or equal to 0.5 psia.</u>	<u>Y</u>	
<u>8-5-307.3</u>	<u>Requirements for Pressure Relief Devices on Pressure Tanks and for Blanketed Tanks (S728 is the only pressure tank).</u>	<u>Y</u>	
<u>SIP Regulation 8 Rule 5</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/03)</u>		
<u>8-5-117</u>	<u>Limited Exemption, Vapor Pressure less than or equal to 0.5 psia.</u>	<u>Y</u>	
<u>8-5-307.3</u>	<u>Requirements for Pressure Relief Devices on Pressure Tanks and for Blanketed Tanks (S728 is the only pressure tank).</u>	<u>Y</u>	
<u>BAAQMD Condition #24763</u>			
<u>Part 1</u>	<u>Construct and operate plant as described in Application No. 21858 (2-2-419)</u>	<u>Y</u>	

IV. Source-specific Applicable Requirements

Table IV-TBD
Source-specific Applicable Requirements
S-720 (T-310) Organic Mix, S-725 (V-250) Aqueous Mix
S-726 (T-112) Emulsion Storage, 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) Product Check Tank, S-734 N-Serve TG Isotainer
S-735 (T-751) Proxell Tote

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
<u>Part 2</u>	<u>Final component counts for fugitive components. (Cumulative Increase, Offsets, Regulation 2-5)</u>	<u>Y</u>	
<u>Part 6</u>	<u>Inspection frequency. (2-2-419, Regulation 8, Rule 18)</u>	<u>Y</u>	
<u>Part 7</u>	<u>POC emission limits for fugitive components. (2-2-419, Cumulative Increase, Offsets)</u>	<u>Y</u>	
<u>Part 8</u>	<u>Reporting if leak rate exceeds 5000 ppm of TOC.</u>	<u>Y</u>	
<u>Part 9</u>	<u>Recordkeeping (Offsets, Recordkeeping)</u>	<u>Y</u>	

Table IV -TBD
Source-specific Applicable Requirements
S-1011 AUXILIARY BOILER, A-1011 SELECTIVE CATALYTIC CONVERTER

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
<u>BAAQMD</u>			
<u>Regulation 1</u>	<u>General Provisions and Definitions (5/4/11)</u>		
<u>1-520</u>	<u>Continuous Emission Monitoring</u>	<u>Y</u>	
<u>1-520.1</u>	<u>Monitoring of NOx, CO₂, or O₂</u>	<u>Y</u>	
<u>1-520.8</u>	<u>Monitors required per Reg. 2-1-403</u>	<u>Y</u>	
<u>1-522</u>	<u>Continuous Emission Monitoring and Recordkeeping Procedures</u>	<u>Y</u>	
<u>1-522.1</u>	<u>Plans and Specifications</u>	<u>Y</u>	
<u>1-522.2</u>	<u>Installation Scheduling</u>	<u>Y</u>	
<u>1-522.3</u>	<u>Performance Testing</u>	<u>Y</u>	
<u>1-522.4</u>	<u>Periods of Non-operation Greater Than 24 Hours</u>	<u>Y</u>	
<u>1-522.5</u>	<u>Daily Calibration of Monitors</u>	<u>Y</u>	
<u>1-522.6</u>	<u>Accuracy</u>	<u>Y</u>	
<u>1-522.7</u>	<u>Excesses</u>	<u>Y</u>	

IV. Source-specific Applicable Requirements

Table IV -TBD
Source-specific Applicable Requirements
S-1011 AUXILIARY BOILER, A-1011 SELECTIVE CATALYTIC CONVERTER

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
<u>1-522.8</u>	<u>Monthly Reports</u>	<u>Y</u>	
<u>1-522.9</u>	<u>Records</u>	<u>Y</u>	
<u>1-522.10</u>	<u>Monitors Required by Sections 1-521 or 2-1-403</u>	<u>Y</u>	
<u>1-602</u>	<u>Area and Continuous Emission Monitoring Requirements</u>	<u>Y</u>	
<u>BAAQMD</u> <u>Regulation 2,</u> <u>Rule 1</u>	<u>Regulation 2, Rule 1 - Permits, General Requirements (3/4/09)</u>		
<u>2-1-501</u>	<u>Monitors</u>	<u>Y</u>	
<u>BAAQMD</u> <u>Regulation 6,</u> <u>Rule 1</u>	<u>Particulate Matter and Visible Emissions (12/5/07)</u>		
<u>6-1-301</u>	<u>Ringelmann Number 1 Limitation</u>	<u>N</u>	
<u>6-1-304</u>	<u>Tube Cleaning</u>	<u>N</u>	
<u>6-1-305</u>	<u>Visible Particles</u>	<u>N</u>	
<u>6-1-310.3</u>	<u>Particulate Weight Limitation</u>	<u>N</u>	
<u>SIP</u> <u>Regulation 6</u>	<u>Particulate Matter and Visible Emissions (9/4/98)</u>		
<u>6-301</u>	<u>Ringelmann Number 1 Limitation</u>	<u>Y</u>	
<u>6-304</u>	<u>Tube Cleaning</u>	<u>Y</u>	
<u>6-305</u>	<u>Visible Particles</u>	<u>Y</u>	
<u>6-310.3</u>	<u>Particulate Weight Limitation</u>	<u>Y</u>	
<u>BAAQMD</u> <u>Regulation 9,</u> <u>Rule 1</u>	<u>Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)</u>		
<u>9-1-301</u>	<u>Limitations on Ground Level Concentrations</u>	<u>Y</u>	
<u>9-1-302</u>	<u>General Emission Limitations</u>	<u>Y</u>	
<u>BAAQMD</u> <u>Regulation</u> <u>9, Rule 3</u>	<u>Inorganic Gaseous Pollutants, Nitrogen Oxides From Heat Transfer Operations (3/17/82)</u>		
<u>9-3-303</u>	<u>New or Modified Heat Transfer Operation Limits</u>	<u>N</u>	
<u>BAAQMD</u> <u>Regulation 9,</u> <u>Rule 7</u>	<u>Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (5/4/11)</u>		
<u>9-7-117</u>	<u>Limited Exemption: Devices Rated 75 MMBtu/hr or Higher Limited to 9 ppm NO_x.</u>	<u>N</u>	

IV. Source-specific Applicable Requirements

Table IV -TBD
Source-specific Applicable Requirements
S-1011 AUXILIARY BOILER, A-1011 SELECTIVE CATALYTIC CONVERTER

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
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	
SIP Regulation 9, Rule 7	Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (12/15/97)		
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	
BAAQMD Manual of Procedures, Volume V	Continuous Emission Monitoring Policy and Procedures (1/20/82)		
40 CFR 60 Subpart Db	Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units (2/27/06)		
60.44b(a)(1)(i)	NOx Emission Limit	Y	
60.44b(h)	NOx limit applicable at all times	Y	
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	

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<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
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	
<u>40 CFR Part 63 Subpart DDDDD</u>	<u>National Emissions Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters (1/31/2013).</u>	Y	See <u>63.7495(c)</u>
<u>BAAQMD Permit Condition #19356</u>			
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	
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	

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<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
<u>Part 14f</u>	<u>PM10, POC, and NH3 Emission Monitoring (1-520.1)</u>	<u>Y</u>	
<u>Part 15</u>	<u>Recordkeeping (recordkeeping)</u>	<u>Y</u>	

Table IV-CY
Source-specific Applicable Requirements
Components

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD Regulation 8, Rule 18</u>	<u>Organic Compounds – Equipment Leaks (9/15/04)</u>		
<u>8-18-110</u>	<u>Exemption, Controlled Seal Systems and Pressure Relief Devices</u>	<u>N</u>	
<u>8-18-112</u>	<u>Exemption, Bulk Plant and Terminal Loading Racks</u>	<u>N</u>	
<u>8-18-113</u>	<u>Limited Exemption, Initial Boiling Point</u>	<u>N</u>	
<u>8-18-115</u>	<u>Limited Exemption, Storage Tanks</u>	<u>N</u>	
<u>8-18-116</u>	<u>Limited Exemption, Vacuum Service</u>	<u>N</u>	
<u>8-18-117</u>	<u>Limited Exemption, Visual Inspection</u>	<u>N</u>	
<u>8-18-301</u>	<u>General</u>	<u>N</u>	
<u>8-18-302</u>	<u>Valves</u>	<u>N</u>	
<u>8-18-303</u>	<u>Pumps and Compressors</u>	<u>N</u>	
<u>8-18-304</u>	<u>Connections</u>	<u>N</u>	
<u>8-18-305</u>	<u>Pressure Relief Devices</u>	<u>N</u>	
<u>8-18-306</u>	<u>Non-repairable Equipment</u>	<u>N</u>	
<u>8-18-307</u>	<u>Liquid Leak</u>	<u>N</u>	
<u>8-18-401</u>	<u>Inspection</u>	<u>N</u>	
<u>8-18-402</u>	<u>Identification</u>	<u>N</u>	
<u>8-18-403</u>	<u>Visual Inspection Schedule</u>	<u>N</u>	
<u>8-18-404</u>	<u>Alternative Inspection Schedule</u>	<u>N</u>	
<u>8-18-502</u>	<u>Records</u>	<u>N</u>	
<u>SIPBAAQM Regulation 8, Rule 18</u>	<u>Organic Compounds – Equipment Leaks (6/5/0341/27/2002)</u>		

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
SIP Regulation 8, Rule 22	Organic Compounds – Valves and Flanges at Chemical Plants (FR 2/16/95)		
8-22-115	Exemption, Chemical Plants with 100 or More Valves	Y	
SIP Regulation 8, Rule 25	Organic Compounds – Pump and Compressor Seals at Petroleum Refineries, Chemical Plants, Bulk Plants, and Bulk Terminals (FR 3/7/95)		
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	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-25-405	Pump and Compressor Identification	Y	
8-25-406	Leaking Pumps and Compressors	Y	
8-25-503	Records	Y	
<u>BAAQMD Regulation 8, Rule 28</u>	<u>Organic Compounds – Episodic Releases from Pressure Relief Devices at Petroleum Refineries and Chemical Plants (12/21/05)</u>		
<u>8-28-401</u>	<u>Reporting at Petroleum Refineries and Chemical Plants</u>	<u>N</u>	
<u>8-28-402</u>	<u>Inspection</u>	<u>N</u>	
<u>8-28-404</u>	<u>Identification</u>	<u>N</u>	
<u>SIPBAAQM D Regulation 8, Rule 28</u>	<u>Organic Compounds – Episodic Releases from Pressure Relief Devices at Petroleum Refineries and Chemical Plants (5/24/043/18/98)</u>		
8-28-401	Reporting at Petroleum Refineries and Chemical Plants	<u>YN</u>	
8-28-402	Inspection	<u>YN</u>	
8-28-404	Identification	<u>YN</u>	
<u>SIP Regulation 8, Rule 28</u>	<u>Organic Compounds – Pressure Relief Devices at Petroleum Refineries and Chemical Plants (FR 12/9/94)</u>		
8-28-111	Exemption, Low Vapor Pressure	Y	
8-28-112	Exemption, Storage Tanks	Y	
8-28-301	Pressure Relief Valve	Y	
8-28-401	Reporting	Y	
8-28-402	Inspection	Y	
8-28-403	Records	Y	
8-28-404	Identification	Y	

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Latex Plant, including
~~S-336, Manufacturing Services Thermal Oxidizer~~
~~S-389 Manufacturing Services Thermal Oxidizer~~
~~S-683, D-110A Storage Vessel~~
~~S-704, D-120A Acrylonitrile Storage Tank~~
~~A-42, B-368 Latex Plant Styrene Scrubber~~
Heat Exchangers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR, Part 63, Subpart A	National Emission Standards for Hazardous Air Pollutants: General Provisions (3-16-1994)	Y	
§63.1	Applicability	Y	
§63.1(a)	General	Y	
§63.1(a)(1)	Terms defined in §63.2, except where noted	Y	
§63.1(a)(2)	Applicability and independence from Part 61	Y	
§63.1(a)(3)	This part does not diminish or replace the requirements of a more stringent emission limitation or other applicable requirement under other authority of the Act or under State authority	Y	
§63.1(a)(4)	These general provisions do not apply to regulations developed pursuant to Section 112(r)	Y	
§63.1(a)(6)	Obtaining list of Section 112 categories	Y	
63.1(a)(10)	Calendar days	Y	
§63.1(a)(11)	Postmark	Y	
§63.1(a)(12)	Alternate deadlines	Y	
§63.1(b)	Initial applicability determination for this part	Y	
§63.1(c)	Applicability of this part after a relevant standard has been set	Y	
§63.1(c)(1)	Comply with relevant standard and this subpart as defined in relevant standard	Y	
§63.1(e)	Emissions standards under section 112(d) or (h) and 112(j)	Y	
§63.2	Definitions	Y	
§63.3	Units and Abbreviations	Y	
§63.4	Prohibited Activities and Circumvention	Y	
§63.4(a)(1)	Must operate in compliance with this Part	Y	
§63.4(a)(2)	Must keep records and submit notifications, reports, or revise reports as required by this Part	Y	
§63.4(b)	Circumvention	Y	
§63.4(c)	Fragmentation	Y	
§63.5	Preconstruction Review and Notification Requirements	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§63.5(a)	Applicability	Y	
§63.5(b)	Requirements for existing, newly constructed, and reconstructed affected sources	Y	
§63.5(b)(3)	Written approval required for construct a new affected source, reconstruct an affected source, or reconstruct a major source such that it becomes an affected source subject to a standard under this Part	Y	
§63.5(b)(4)	Notification of intended construction or reconstruction	Y	
§63.5(b)(6)	Addition of equipment to or a process change at an affected source	Y	
§63.5(d)	Application for approval of construction or reconstruction	Y	
§63.5(d)(1)(i)	General application requirements—construction/reconstruction	Y	
§63.5(d)(1)(ii)	General application requirements—required information for construction/reconstruction	Y	
§63.5(d)(3)	Application for approval of reconstruction	Y	
§63.5(d)(4)	Additional information	Y	
§63.5(e)	Approval of construction or reconstruction	Y	
§63.5(f)	Approval of construction or reconstruction based on prior State preconstruction review	Y	
§63.6	Compliance with Standards and Maintenance Requirements	Y	
§63.6(a)	Applicability	Y	
§63.6(e)	Compliance dates for existing sources	Y	
§63.6(e)(1)	Compliance date not to exceed 3 years of effective date	Y	
§63.6(e)	Operation and maintenance requirements	Y	
§63.6(e)(1)(ii)	Malfunctions	Y	
§63.6(e)(1)(iii)	Section 112 operation and maintenance requirements	Y	
§63.6(e)(3)	Startup, Shutdown, and Malfunction Plan	Y	
§63.6(e)(3)(i)	Develop and implement	Y	
§63.6(e)(3)(i)(B)	Correct malfunctions as soon as practicable	Y	
§63.6(e)(3)(i)(C)	Reduce reporting burden	Y	
§63.6(e)(3)(ii)	Operate and maintain in accordance with plan	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§63.6(e)(3)(v)	Maintain current plan and previous versions for 5 years	Y	
§63.6(e)(3)(vi)	Use of standard operating procedures or other manual	Y	
§63.6(e)(3)(vii)	Revisions to the plan may be required	Y	
§63.6(e)(3)(viii)	Report revision of plan in semiannual report	Y	
§63.6(f)	Compliance with non-opacity emission standards	Y	
§63.6(g)	Use of an alternative non-opacity emission standard	Y	
§63.6(i)	Extension of compliance with emission standards	Y	
§63.6(i)(1)	Compliance with this part required until extension granted	Y	
§63.6(i)(2)	Extension of compliance for early reductions and other reductions	Y	
§63.6(i)(3)	Request for extension of compliance	Y	
§63.6(i)(4)(i)(A)	Existing source	Y	
§63.6(i)(5)	Existing source where BACT or LAER installed	Y	
§63.6(i)(6)	Contents of compliance extension request	Y	
§63.6(i)(7)	Advice on compliance extension request	Y	
§63.6(i)(11)	Progress reports may be required	Y	
§63.6(i)(14)	Early termination of compliance extension	Y	
§63.6(i)(16)	Extension does not abrogate Section 114 authority	Y	
§63.6(j)	Exemption from compliance with emission standards	Y	
§63.7	Performance Testing Requirements	Y	
§63.7(a)(1)	Applicability	Y	
§63.7(a)(3)	Section 114 tests	Y	
§63.7(d)	Performance testing facilities	Y	
§63.7(e)	Conduct of performance tests	Y	
§63.7(e)(1)	Under representative performance	Y	
§63.7(e)(2)	Test methods and procedures from this section, in each relevant standard, and in appendices, or other approved method	Y	
§63.7(e)(4)	Does not abrogate authority to require Section 114 testing	Y	
§63.7(f)	Use of alternative test method	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§63.7(g)	Data analysis, recordkeeping, and reporting	Y	
§63.7(h)	Waiver of performance tests	Y	
§63.8	Monitoring Requirements	Y	
§63.8(a)(1)	Applicability	Y	
§63.8(a)(4)	Additional monitoring requirements	Y	
§63.8(b)(1)	Conduct of monitoring	Y	
§63.8(b)(3)	More than one CMS	Y	
§63.8(c)	Operation and maintenance of continuous monitoring systems	Y	
§63.8(c)(1)(i)	Maintenance and operation	Y	
§63.8(c)(1)(iii)	Written startup, shutdown, malfunction plan	Y	
§63.8(c)(2)	Installation	Y	
§63.8(c)(3)	Verification of operational status	Y	
§63.8(f)	Use of an alternative monitoring method	Y	
§63.8(f)(1)	General	Y	
§63.8(f)(5)	Approval of request to use alternative monitoring procedure	Y	
§63.8(f)(5)(iii)	Implementation after approval	Y	
§63.9	Notification Requirements	Y	
§63.9(a)	Applicability and general information	Y	
§63.9(e)	Request for extension of compliance	Y	
§63.9(d)	Notification for special compliance requirements	Y	
§63.9(i)	Adjustments to time periods or postmark deadlines	Y	
§63.10	Recordkeeping and Reporting Requirements	Y	
§63.10(a)	Applicability and general information	Y	
§63.10(d)	General reporting requirements	Y	
§63.10(d)(1)	Report submission	Y	
§63.10(d)(4)	Progress reports	Y	
§63.10(d)(5)(i)	Periodic startup, shutdown, and malfunction reports	Y	
§63.10(f)	Waiver of recordkeeping or reporting requirements	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§63.13	Addresses for requests, reports, applications, submittals, and other communications	Y	
§63.14	Incorporations by reference	Y	
§63.15	Availability of information	Y	
40 CFR, Part 63, Subpart F	National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry (4-22-1994)	Y	
§63.104	Heat Exchange System Requirements	Y	
§63.104(a)	Monitoring according to (b) or (c):	Y	
§63.104(e)	Surrogate indicator of heat exchange system leaks	Y	
§63.104(e)(1)	Prepare and implement a monitoring plan, including:	Y	
§63.104(e)(1)(i)	Description of monitored parameter and explanation of how parameter indicates presence of a leak	Y	
§63.104(e)(1)(ii)	Parameter levels that shall constitute a leak, documented by data or calculations	Y	
§63.104(e)(1)(iii)	Monitoring frequency, no less frequent than monthly for first 6 months and quarterly thereafter	Y	
§63.104(e)(1)(iv)	Records to be maintained to document compliance with plan	Y	
§63.104(e)(2)	Monitoring plan revision	Y	
§63.104(e)(3)	Monitoring plan accessibility and records	Y	
§63.104(d)	Leak detection:	Y	
§63.104(d)(1)	Repaired no later than 45 calendar days after confirmation of leak, unless leak due to some other condition	Y	
§63.104(d)(2)	Confirmation of heat exchange system repair within 7 calendar days of repair or startup, whichever later	Y	
§63.104(e)	Delay of leak repair if equipment is isolated from process, if technically infeasible without a shutdown and:	Y	
§63.104(e)(1)	Shutdown planned within the next 2 months or	Y	
§63.104(e)(2)	If next shutdown not planned within 2 months: delayed repair according	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	to (e)(2)(i) or (e)(2)(ii):		
§63.104(e)(2)(i)	Repair shutdown would cause greater emissions than from delaying repair	Y	
§63.104(e)(2)(i)(A)	Calculation of potential leak emissions	Y	
§63.104(e)(2)(i)(B)	Emissions from purging and depressurizing	Y	
§63.104(e)(2)(ii)	If other than (e)(2)(i) and necessary parts or personnel unavailable, repair must occur within 120 calendar days	Y	
§63.104(f)(1)	Required Records:	Y	
§63.104(f)(1)(i)	Monitoring data indicating a leak, date, and basis for determination that no leak exists, if applicable	Y	
§63.104(f)(1)(ii)	Records of any leaks detected by (e)(2) and date	Y	
§63.104(f)(1)(iii)	Dates of leak repair efforts	Y	
§63.104(f)(1)(iv)	Method or procedure used to confirm leak repair and date	Y	
§63.104(f)(2)	Reports: If delay of repair provisions used, submit in subsequent semiannual report(s) until repaired:	Y	
§63.104(f)(2)(i)	Presence of a leak and date detected	Y	
§63.104(f)(2)(ii)	Whether leak has been repaired or not	Y	
§63.104(f)(2)(iii)	Reason(s) for delay of repair and emission estimates if applicable	Y	
§63.104(f)(2)(iv)	If remaining unrepaired, expected repair date	Y	
§63.104(f)(2)(v)	Date the leak repaired	Y	
40 CFR, Part 63, Subpart G	National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (4-22-1994)	Y	
§63.111	Definitions	Y	
§63.113	Process Vent Provisions—Reference control technology	Y	
§63.113(a)	Group 1 process vent	Y	
§63.113(a)(2)	Reduce emissions of organic HAPs by 98wt% or to 20 ppmv dry, corrected to 3% oxygen	Y	

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Heat Exchangers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§63.113(b)	Boilers/process heaters: vent stream must be introduced into the flame zone	Y	
§63.113(h)	Group determination in §63.115 not required	Y	
§63.114	Process Vent Provisions—Monitoring requirements	Y	
§63.114(a)	Monitoring equipment:	Y	
§63.114(a)(3)	Boiler or process heater < 44MW design capacity, except if gas stream introduced with primary fuel: temperature monitor and continuous recorder	Y	
§63.114(d)	Bypass line	Y	
§63.114(d)(1)	Bypass line flow meter	Y	
§63.114(e)	Parameter monitor range	Y	
§63.116	Process Vent Provisions—Performance test methods and procedures to determine compliance	Y	
§63.116(b)	Performance test not required for:	Y	
§63.116(b)(4)(i)	Boiler or process heater burning hazardous waste issued a final permit under 40 CFR Part 270 and complies with 40 CFR Part 266, Subpart H	Y	
§63.118	Process Vent Provisions—Periodic reporting and recordkeeping requirements	Y	
§63.118(a)	Records for control devices subject to §63.113(a)(2)	Y	
§63.118(f)	Periodic reports	Y	
§63.119	Storage Vessel Provisions—Reference control technology	Y	
§63.119(a)	Storage Vessel Provisions—Requirements and compliance schedule	Y	
§63.119(a)(3)	Storage Vessel Provisions—Group 2 vessels not part of an emissions average	Y	
§63.123	Storage Vessel Provisions—Recordkeeping	Y	
§63.123(a)	Storage Vessel Provisions—Dimensions and capacity	Y	
§63.148	Leak inspection provisions	Y	
§63.148(a)	Compliance with (b) through (j) required, unless meeting (k)	Y	
§63.148(b)	Inspection of vapor collection and closed vent system, except as in (g)	Y	

IV. Source-specific Applicable Requirements

Table IV-CZ
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Latex Plant, including
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S-389 Manufacturing Services Thermal Oxidizer
S-683, D-110A Storage Vessel
S-704, D-120A Acrylonitrile Storage Tank
A-42, B-368 Latex Plant Styrene Scrubber
Heat Exchangers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	and (h)		
§63.148(b)(1)	For vapor collection or closed vent systems constructed of hard piping;	Y	
§63.148(b)(1)(i)	Conduct an initial inspection according to (e)	Y	
§63.148(b)(1)(ii)	Conduct annual inspections for visible, audible, or olfactory indications of leaks	Y	
§63.148(e)	Inspection procedures	Y	
§63.148(d)	Leak repair for readings > 500 ppm above background or visual leaks	Y	
§63.148(e)	Delay of repair	Y	
§63.148(f)	Bypass lines on vapor collection or closed vent systems	Y	
§63.148(g)	Unsafe to inspect	Y	
§63.148(h)	Difficult to inspect	Y	
§63.148(i)	Records	Y	
§63.148(j)	Reports	Y	
40 CFR, Part 63, Subpart U	National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (Latex MACT) (9-5-1996)		
§63.480	Applicability and designation of affected sources	Y	
§63.480(i)	Changes or additions to plant sites	Y	
§63.480(i)(1)	Adding an EPPU to a plant site	Y	
§63.480(i)(2)	Adding emission points or making process changes to existing affected sources	Y	
§63.480(i)(2)(i)	Changes which constitute a new affected source	Y	
§63.480(i)(2)(ii)	Changes for which existing affected source status is unchanged	Y	
§63.480(i)(2)(iii)	Compliance dates	Y	
§63.480(i)(3)	Existing affected source requirements for surge control vessels and bottoms receivers that become subject to Subpart H requirements	Y	
§63.480(i)(4)	Existing affected source requirements for compressors that become subject to Subpart H requirements	Y	
§63.480(i)(5)	Determining what are and are not process changes	Y	
§63.480(i)(6)	Reporting requirements for owners or operators that change or add to	Y	

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~~S-704, D-120A Acrylonitrile Storage Tank~~
~~A-42, B-368 Latex Plant Styrene Scrubber~~
Heat Exchangers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	their plant site or affected source		
§63.480(j)	Applicability of this subpart except during periods of startup, shutdown, and malfunction	Y	
§63.481	Compliance date and relationship to this subpart to existing applicable rules	Y	
§63.481(e)	Existing affected sources: compliance date for this subpart, except for §63.502, is June 19, 2001 unless an extension is granted	Y	
§63.481(d)	Existing affected sources: compliance date for §63.502, is July 31, 1997, except as specified in (d)(1) through (d)(6) unless an extension is granted	Y	
§63.481(d)(1)	Compliance with compressor provisions §63.164 by September 5, 1997 for compressors meeting one or more of (d)(1)(i) through (d)(1)(iv) if work can be accomplished without a shutdown	Y	
§63.481(d)(2)	Compliance with compressor provisions §63.164 by March 5, 1998 for compressors all of (d)(2)(i) through (d)(2)(iv)	Y	
§63.481(d)(3)	Compliance with compressor provisions §63.164 by September 5, 1998 if a process unit shutdown is necessary	Y	
§63.481(d)(4)	Compliance with compressor provisions §63.164 by September 5, 1999 if meeting one or more of (d)(4)(i) through (d)(4)(iii)	Y	
§63.481(d)(6)	Compliance heat exchange provisions §63.104 by June 19, 2001	Y	
§63.481(f)	Provisions of Subpart A that apply specified in Table 1	Y	
§63.481(g)	Provisions of Subparts F, G, and H that apply specified in Table 2	Y	
§63.481(h)(1)	Provisions of 40 CFR Part 63, Subpart I superceded	Y	
§63.481(i)	Provisions of 40 CFR Part 60, Subpart Kb superceded	Y	
§63.481(l)	Applicability of other requirements for heat exchange systems or waste management units	Y	
§63.481(l)(1)(i)	Heat exchangers subject to Subpart F	Y	
§63.481(m)	Periods of time	Y	
§63.482	Definitions	Y	

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Heat Exchangers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§63.483	Emission Standards—compliance required for:	Y	
§63.483(a)(1)	Storage Vessels	Y	
§63.483(a)(2)	Continuous Front End Process Vents	Y	
§63.483(a)(3)	Batch Front End Process Vents	Y	
§63.483(a)(6)	Equipment Leaks	Y	
§63.483(a)(7)	Additional Test Methods and Procedures	Y	
§63.483(a)(8)	Monitoring Levels and Excursions	Y	
§63.483(a)(9)	General Reporting and Recordkeeping Requirements	Y	
§63.483(b)	Combination of Emissions containing at least one Group 1 emission stream:	Y	
§63.483(b)(2)(i)	Comply with Group 1 continuous front end process vent requirements	Y	
§63.484	Storage Vessel Provisions	Y	
§63.484(a)	Comply with §63.119 through §63.123 and §63.148 of Subpart G, except as specified in (c) through (q) below	Y	
§63.484(b)	Exempt Storage Vessels	Y	
§63.484(b)(1)	Exempt Storage Vessels—storing styrene butadiene latex	Y	
§63.484(b)(5)	Exempt Storage Vessels—storing styrene	Y	
§63.484(e)	Definition of Storage Vessels	Y	
§63.484(e)	Definition of Group 2 Storage Vessels—in §63.482 for use in Subpart G	Y	
§63.485	Continuous Front End Process Vent Provisions	Y	
§63.485(a)	Requirements in §63.113 through §63.118 of Subpart G, except as specified in (b) through (v) below	Y	
§63.485(b)	Replacing “process vent” in §63.113 through §63.118 of Subpart G with “continuous front end process vent”	Y	
§63.485(d)	Replacing “Group 1 process vent” in §63.113 through §63.118 of Subpart G with “Group 1 continuous front end process vent”	Y	
§63.485(f)	Replace December 31, 1992 in §63.113 with June 12, 1995	Y	
§63.485(h)	Replacing NOCS in §63.152(b) of Subpart G with §63.506(e)(5)	Y	

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~~S-704, D-120A Acrylonitrile Storage Tank~~
~~A-42, B-368 Latex Plant Styrene Scrubber~~
Heat Exchangers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§63.485(i)	Periodic Report requirements in §63.506(e) supercede Subpart G	Y	
§63.485(j)	Definition of “excursion” §63.505(g) and (h) supercede Subpart G	Y	
§63.485(k)	Parameter monitoring levels and excursions in §63.505 supercede §63.114(e) of Subpart G. Replacing “range” in §63.117(f); §63.118(a)(2)(iv), (b)(2)(iv), (f)(1), and (f)(6) of Subpart G with “level”	Y	
§63.485(l)	Replaces reports of process changes in §63.118(g), (h), (i), and (j) of Subpart G	Y	
§63.485(m)	Recordkeeping requirements in §63.506(d) replace §63.152(f)	Y	
§63.485(n)	Only organic HAP listed in Table 5 must be considered in §§63.115 and 63.116	Y	
§63.485(o)	Requirements for continuous front end process vent combined with batch front end process vent or aggregate batch vent stream	Y	
§63.485(o)(1)	Requirements for Group 1 continuous front end process vent combined with batch front end process vent or aggregate batch vent stream prior to being routed to a control device	Y	
§63.485(r)	Compliance date for continuous front end process vents in §63.481	Y	
§63.485(v)	Combustion device subject to §63.113(a)(2): correction to 3% oxygen only applies when supplemental combustion air is used	Y	
§63.493	Back-end Process Provisions—Owners and operators of affected sources whose only elastomer products are latex products ... are not subject to the provisions of §63.494 through §63.500.	Y	
§63.502	Equipment Leak and Heat Exchange System Provisions	Y	
§63.502(a)	Equipment in organic HAP service subject to Subpart H, except as specified in (b) through (m):	Y	
§63.502(b)	Exempt—Surge control vessels and bottoms receivers in (b)(1) through (b)(7)	Y	
§63.502(b)(1)	Surge control vessels and bottoms receivers containing SB latex	Y	
§63.502(b)(5)	Surge control vessels and bottoms receivers that receive only styrene	Y	
§63.502(e)	Compliance dates in §63.481(d) replace §63.100 of Subpart H for	Y	

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Heat Exchangers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	equipment leaks. Extension of compliance dates in §63.481(e) replace §63.182(a)(6)		
§63.502(e)	Initial notifications in §63.182(a)(1) and §63.182(b) are not required.	Y	
§63.502(f)	Notification of Compliance Status in Subpart H—submit within 150 days,, rather than 90 days of the date in §63.481 for equipment leaks	Y	
§63.502(g)	Periodic reports submitted per §63.506(e)(6)	Y	
§63.502(i)	Only organic HAP from Table 5 of this subpart that are also in Table 9 of Subpart G should be considered for §63.166(b)(4)(i)	Y	
§63.502(j)	“Method 18 or Method 25A” replaces “Method 18” in Subpart H, if (j)(1) and (j)(2) are met	Y	
§63.502(l)	The definition of “equipment” in §63.482(b) used for whenever the term is used in Subpart H	Y	
§63.502(m)	“the provisions of Subparts F, I, or U of this part” replaces “the provisions of Subparts F or I of this part” throughout §§63.163, 63.168, and “Subparts F, I, and U” replace “Subparts F and I” in §63.174(c)(2)(iii)	Y	
§63.502(n)	Heat exchange system provisions—must comply with §63.104, except as in (n)(1) through (n)(6)	Y	
§63.505	Parameter Monitoring Levels and Excursions	Y	
§63.505(a)	Establishment of parameter monitoring levels through (b) below	Y	
§63.505(a)(1)	Control and recovery devices operated in accordance with defined maximum or minimum parameter levels	Y	
§63.505(a)(2)	All established levels, supporting documentation, and operating day definition shall be approved under the Notification of Compliance Status or operating permit.	Y	
§63.505(a)(3)	This section does not allow any excursion caused by an activity that violates other applicable provisions of Subparts A, F, G, or H.	Y	
§63.505(b)	Establishment of parameter monitoring levels based on Performance tests	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§63.505(b)(2)	Continuous front-end process vents and back-end process operations complying using control or recovery devices	Y	
§63.505(g)	Definition of Parameter Monitoring Excursion	Y	
§63.505(g)(1)	For storage vessels, continuous front-end process vents, aggregate batch vent streams, back-end process operations complying through use of control or recovery devices:	Y	
§63.505(g)(1)(i)	Daily average value of one or more monitored parameter is above the defined maximum or below the defined minimum level for the given parameters.	Y	
§63.505(g)(1)(ii)	If control or recovery device operated \geq 4 hrs/day: monitoring data insufficient to constitute a valid hour of data for $>$ 75% of operating hours	Y	
§63.505(g)(1)(iii)	If control or recovery device operated $<$ 4 hrs/day: monitoring data insufficient to constitute a valid hour of data for $>$ 2 hrs	Y	
§63.505(g)(1)(iv)	Monitoring data insufficient to constitute a valid hour of data: measured values unavailable for any of the 15 minute periods within the hour; for approved data compression systems, less than 4 data measurements/hr	Y	
§63.505(g)(1)(v)	Periods below are not considered part of control or recovery device operation periods:	Y	
§63.505(g)(1)(v)(A)	Monitoring system breakdowns, repairs, calibration checks, zero and high-level adjustments	Y	
§63.505(g)(1)(v)(B)	Startups	Y	
§63.505(g)(1)(v)(C)	Shutdowns	Y	
§63.505(g)(1)(v)(D)	Malfunctions	Y	
§63.505(g)(1)(v)(E)	Periods of non-operation of the affected source	Y	
§63.505(i)	Excused Excursions per semiannual period:	Y	
§63.505(i)(1)	For the first semiannual period: 6 excused excursions	Y	
§63.505(i)(2)	For the second semiannual period: 5 excused excursions	Y	
§63.505(i)(3)	For the third semiannual period: 4 excused excursions	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§63.505(i)(4)	For the fourth semiannual period: 3 excused excursions	Y	
§63.505(i)(5)	For the fifth semiannual period: 2 excused excursions	Y	
§63.505(i)(6)	For the sixth and subsequent semiannual period: 1 excused excursion	Y	
§63.506	General Recordkeeping and Reporting Provisions	Y	
§63.506(a)	Data retention for at least 5 years as specified in (a)(1), except if (a)(2) is met	Y	
§63.506(a)(1)	Most recent 6 months of records retained on site or accessible by computer or other means that provides access within 2 hours	Y	
§63.506(a)(2)	If copies of reports are submitted to the EPA Regional Office, or if the Regional Office has waived the requirement to submit reports, the owner/operator is not required to maintain copies of the reports	Y	
§63.506(b)	Subpart A reporting and recordkeeping requirements apply as specified in Table 1, including:	Y	
§63.506(b)(1)	Startup, Shutdown, Malfunction Plan—develop plan as in §63.6(e)(3) of Subpart A; keep onsite; incorporate by reference into operating permit	Y	
§63.506(b)(1)(i)	Records of startup, shutdown, malfunction:	Y	
§63.506(b)(1)(ii)	Reports of startup, shutdown, malfunction:	Y	
§63.506(b)(2)	Application for approval of construction or reconstruction	Y	
§63.506(d)	Recordkeeping and documentation of continuous records as specified in (d)(1) through (d)(7), unless an alternative recordkeeping system has been approved:	Y	
§63.506(d)(1)	Measure data values at least once every 15 minutes	Y	
§63.506(d)(2)	Record measured data value or block average values	Y	
§63.506(d)(3)	Calculate daily average (or batch cycle daily average) values of each continuously monitored parameter as in (d)(3)(i) and (d)(3)(ii), except as specified in (d)(6) and (d)(7)	Y	
§63.506(d)(6)	Records required when all values in compliance	Y	
§63.506(d)(7)	Monitoring data from the following periods shall not be included in average:	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§63.506(d)(7)(i)	Monitoring system breakdowns, repairs, calibration checks, zero and high-level adjustments	Y	
§63.506(d)(7)(ii)	Startups	Y	
§63.506(d)(7)(iii)	Shutdowns	Y	
§63.506(d)(7)(iv)	Malfunctions	Y	
§63.506(d)(7)(v)	Periods of non-operation of the affected source	Y	
§63.506(d)(8)	Records documenting calibration checks and maintenance of continuous monitoring systems	Y	
§63.506(d)(9)	If waiver under §63.10(f) granted, the information specified as a condition of the waiver, if any	Y	
§63.506(e)	Reporting and notification	Y	
§63.506(e)(1)	Failure to submit information not a violation of reporting requirements if (e)(1)(i) through (e)(1)(iii) met	Y	
§63.506(e)(2)	Addresses and electronic reports	Y	
§63.506(e)(3)(ix)	Supplements to Precompliance Report	Y	
§63.506(e)(5)	Notification of Compliance Status—within 150 days of the compliance dates in §63.481, containing the information in (e)(5)(i) through (e)(5)(xii)	Y	
§63.506(e)(6)	Periodic Reports—as specified in (e)(6)(i) through (e)(6)(xii)	Y	
§63.506(e)(6)(i)	Submit semiannually no later than 60 operating days after the end of each 180-day period, except as in (e)(6)(x) and (e)(6)(xi)	Y	
§63.506(e)(6)(ii)	Statement of compliance	Y	
§63.506(e)(6)(iii)	For affected source subject to §63.484 through §63.501, submit the information as specified in (e)(6)(iii)(A) through (e)(6)(iii)(E)	Y	
§63.506(e)(6)(v)	If a performance test is included in the periodic report, include (e)(6)(v)(A) and (e)(6)(v)(B)	Y	
§63.506(e)(6)(vi)	Changes to primary product determination	Y	
§63.506(e)(6)(vii)	Changes to predominant use determination for a storage vessel	Y	
§63.506(e)(6)(viii)	Changes to predominant use determination for recovery operation	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	equipment		
§63.506(e)(6)(ix)	Periodic report under (h)(1) submitted as part of the Periodic report or Notification of Compliance Status under (e)(5)(xi)	Y	
§63.506(e)(6)(x)	Notification of not retaining daily average or batch cycle daily average values under (h)(2)	Y	
§63.506(e)(6)(xii)	Quarterly reports for emission points and process sections not included in an emissions average	Y	
§63.506(e)(7)	Other Reports	Y	
§63.506(e)(7)(iv)	Reports of changes to the primary product of an EPPU or process unit	Y	
§63.506(e)(7)(v)	Reports of changes or additions to a plant site	Y	
§63.506(f)	Alternative monitoring parameters	Y	
§63.506(g)	Alternative continuous monitoring and recordkeeping	Y	
§63.506(h)	Reduced recordkeeping program — (h)(1) or (h)(2) may replace the monitoring and recordkeeping that would otherwise apply. Records must be retained for 5 years, except as in (h)(1)(vi)(D):	Y	
§63.506(h)(1)	Batch cycle daily average value if meeting (h)(1)(i) through (h)(1)(iv)	Y	
§63.506(h)(1)(i)	Capability to detect unrealistic data and alert	Y	
§63.506(h)(1)(ii)	Capability to generate at least hourly running averages	Y	
§63.506(h)(1)(iii)	Capability to detect unchanging data and alert	Y	
§63.506(h)(1)(iv)	Capability to alert at specified setpoint	Y	
§63.506(h)(1)(v)	Verification of proper functioning of the monitoring system	Y	
§63.506(h)(1)(vi)	Record retention for parameter monitoring system	Y	
§63.506(h)(2)	Waiver of batch cycle daily average value recordkeeping requirement after 6 consecutive months with no excursions	Y	
§63.506(h)(2)(i)	Notification of non-retention of batch cycle daily average values	Y	
§63.506(h)(2)(ii)	Resumption of batch cycle daily average value records	Y	
§63.506(h)(2)(iii)	Minimum one parameter value per calendar month; record retention	Y	
§63.506(h)(2)(iv)	Definition of excursion for (h)	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§63.506(h)(2)(iv)(A)	Startup, shutdown, malfunction excluded, if Startup, Shutdown, and Malfunction Plan is followed.	Y	
§63.506(h)(2)(iv)(B)	Excused excursions excluded	Y	

IV. Source-specific Applicable Requirements

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- MACT - Equipment Leaks Fugitive Components (Subpart H Fugitive Monitoring)**
Latex Plant Fugitive Components, including:
Pumps, Valves, Connectors, Compressors, Pressure Relief Devices, Open Ended Valves
and Lines, Agitators, and Instrumentation Systems
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
40 CFR, Part 63, Subpart H	National Emission Standard for Organic Hazardous Air Pollutants for Equipment Leaks (4/22/94)	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	

IV. Source-specific Applicable Requirements

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- MACT - Equipment Leaks Fugitive Components (Subpart H Fugitive Monitoring)**
Latex Plant Fugitive Components, including:
Pumps, Valves, Connectors, Compressors, Pressure Relief Devices, Open Ended Valves
and Lines, Agitators, and Instrumentation Systems
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
§63.163(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	
§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	

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- MACT - Equipment Leaks Fugitive Components (Subpart H Fugitive Monitoring)**
Latex Plant Fugitive Components, including:
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monitoring at S-5)
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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(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	
§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	

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- 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(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 sytem 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	
§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	

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- 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
§63.165(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	
§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	

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- MACT - Equipment Leaks Fugitive Components (Subpart H Fugitive Monitoring)**
Latex Plant Fugitive Components, including:
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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§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	
§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	

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- MACT - Equipment Leaks Fugitive Components (Subpart H Fugitive Monitoring)**
Latex Plant Fugitive Components, including:
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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§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	

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- MACT - Equipment Leaks Fugitive Components (Subpart H Fugitive Monitoring)**
Latex Plant Fugitive Components, including:
Pumps, Valves, Connectors, Compressors, Pressure Relief Devices, Open Ended Valves
and Lines, Agitators, and Instrumentation Systems
S-5, 720 Terminalized Products (Applicable when Subpart EEEE requires fugitive
monitoring at S-5)
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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
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	

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- MACT - Equipment Leaks Fugitive Components (Subpart H Fugitive Monitoring)**
Latex Plant Fugitive Components, including:
Pumps, Valves, Connectors, Compressors, Pressure Relief Devices, Open Ended Valves
and Lines, Agitators, and Instrumentation Systems
S-5, 720 Terminalized Products (Applicable when Subpart EEEE requires fugitive
monitoring at S-5)
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carbon tetrachloride)
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components containing greater than 5% carbon tetrachloride)
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S-482 Carbon Tetrachloride Loading Rack
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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	

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- MACT - Equipment Leaks Fugitive Components (Subpart H Fugitive Monitoring)**
Latex Plant Fugitive Components, including:
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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§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	
§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	

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- 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
§63.174(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	
§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	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§63.174(c)(1)(i)	Monitoring for opened connectors or connectors with broken seals	Y	
§63.174(c)(1)(ii)	Alternatives for screwed connectors ≤ 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	
§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	

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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
§63.176	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	
§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-DB
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
40 CFR, Part 63, Subpart I	National Emission Standard for Organic Hazardous Air Pollutants for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks (4/22/94)	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). (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	

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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
	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.	<u>Y</u>	
63.192(c)	Initial performance tests and initial compliance demonstrations shall be required as specified in subpart H of this part.	<u>Y</u>	
63.192(f)	Recordkeeping requirements.	<u>Y</u>	
63.192(g)	Reporting requirements.	<u>Y</u>	
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.	<u>Y</u>	
63.192(j)	Requirements of subparts I and H are Federally enforceable.	<u>Y</u>	

IV. Source-specific Applicable Requirements

Table IV – TBD
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

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
<u>40 CFR, Part 60, Subpart Kb</u>	<u>Standards of Performance for Volatile Organic Liquid Storage Vessels (4/8/87): This regulation applies only when storing a volatile organic liquid as defined in 40 CFR 51.100.</u>		
<u>60.110b(a)</u>	<u>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 (m³) that is used to store volatile organic liquids (VOL) for which construction, reconstruction, or modification is commenced after July 23, 1984.</u>	<u>Y</u>	
<u>60.110b(b)</u>	<u>This subpart does not apply to storage vessels with a capacity greater than or equal to 151 m³ 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 m³ but less than 151 m³ storing a liquid with a maximum true vapor pressure less than 15.0 kPa.</u>	<u>Y</u>	
<u>60.112b(a)</u>	<u>The owner or operator of each storage vessel either with a design capacity greater than or equal to 151 m³ 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 m³ but less than 151 m³ 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:</u>	<u>Y</u>	
<u>60.112b(a)(3)</u>	<u>A closed vent system and control device meeting the following specifications:</u>	<u>Y</u>	
<u>60.112b(a)(3)(i)</u>	<u>Standard for Volatile Organic Compounds (VOC): Closed vent system and control device no detectable emissions</u>	<u>Y</u>	
<u>60.112b(a)(3)(ii)</u>	<u>Standard for Volatile Organic Compounds (VOC): Closed vent system and control device \geq 95% inlet VOC emission reduction</u>	<u>Y</u>	
<u>60.112b(b)</u>	<u>Closed vent system and control device</u>	<u>Y</u>	
<u>60.113b</u>	<u>Testing and Procedures</u>	<u>Y</u>	

IV. Source-specific Applicable Requirements

Table IV – TBD
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

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

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

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- [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](#)

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Source-specific Applicable Requirements
40 CFR 63 Subpart NNNNN Sources

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
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	
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	

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40 CFR 63 Subpart NNNNN Sources

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	
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	

IV. Source-specific Applicable Requirements

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40 CFR 63 Subpart NNNNN Sources

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	
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	

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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	
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	

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Table IV-TBD
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

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

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Table IV-TBD
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

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

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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

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)	Precompliance 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](#)
- [S-372, T-20 Block 560 Storage Tank](#)
- [S-382, N-Serve Unit Storage T-783](#)
- [S-383, Petroleum Hydrocarbon Distillate Tank](#)

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- [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](#)

Table IV-TBD
Source-specific Applicable Requirements
40 CFR 63 Subpart EEEE Sources

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
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	

IV. Source-specific Applicable Requirements

Table IV-TBD
Source-specific Applicable Requirements
40 CFR 63 Subpart EEEE Sources

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
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. (1) All storage tanks storing organic liquids (2) All transfer racks at which organic liquids are loaded or unloaded (3) All equipment leak components in organic liquids service associated with tanks and racks subject to this subpart. (4) All transport vehicles while loading/unloading at transfer racks subject to this subpart. (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 a 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	
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	

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Source-specific Applicable Requirements
40 CFR 63 Subpart EEEE Sources

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
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	
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	

IV. Source-specific Applicable Requirements

Table IV-TBD
Source-specific Applicable Requirements
40 CFR 63 Subpart EEEE Sources

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
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?		
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	

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Source-specific Applicable Requirements
40 CFR 63 Subpart EEEE Sources

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
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	
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	

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40 CFR 63 Subpart EEEE Sources

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
63.2396(b)	<u>Compliance with other regulations for transfer racks.</u>	<u>Y</u>	
63.2396(c)	<u>Compliance with other regulations for equipment leak components.</u>	<u>Y</u>	
63.2396(e)	<u>Overlap with regulations for monitoring, recordkeeping, and reporting.</u>	<u>Y</u>	
63.2398	<u>What parts of the General Provisions apply to me? Table 12 shows the portions of the General Provisions that apply.</u>	<u>Y</u>	
63.2406	<u>What definitions apply to this subpart?</u>	<u>Y</u>	

Table IV-TBD
Source-specific Applicable Requirements
40 CFR 63 Subpart EEE Sources
S-336, Manufacturing Services Thermal Oxidizer
S-389, Sym-Tet Thermal Oxidizer

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
<u>40 CFR Part 63 Subpart EEE</u>	<u>National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors (9/30/99)</u>		
63.1200	<u>Who is subject to these regulations?</u>	<u>Y</u>	
63.1200(a)	<u>Subpart applicable to area and major sources. Requirement for Title V permit for all sources subject to this subpart.</u>	<u>Y</u>	
63.1201	<u>Definitions</u>	<u>Y</u>	
63.1206	<u>When and how must you comply with the standards and operating requirements?</u>	<u>Y</u>	
63.1206(a)	<u>Compliance dates.</u>	<u>Y</u>	
63.1206(b)	<u>Compliance with standards.</u>	<u>Y</u>	
63.1206(b)(1)	<u>Applicability. Compliance required at all times except during startup, shutdown, malfunction and when waste is not in the combustion chamber.</u>	<u>Y</u>	
63.1206(b)(2)	<u>Methods for determining compliance.</u>	<u>Y</u>	
63.1206(b)(3)	<u>Finding of compliance.</u>	<u>Y</u>	
63.1206(b)(4)	<u>Extension of compliance with emission standards.</u>	<u>Y</u>	
63.1206(b)(5)	<u>Changes in design, operation, or maintenance.</u>	<u>Y</u>	

IV. Source-specific Applicable Requirements

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40 CFR 63 Subpart EEE Sources
S-336, Manufacturing Services Thermal Oxidizer
S-389, Sym-Tet Thermal Oxidizer

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
63.1206(b)(6)	<u>Compliance with the carbon monoxide and hydrocarbon emission standards.</u>	<u>Y</u>	
63.1206(b)(7)	<u>Compliance with the destruction and removal efficiency (DRE) standard.</u>	<u>Y</u>	
63.1206(b)(11)	<u>Calculation of hazardous waste residence time.</u>	<u>Y</u>	
63.1206(b)(12)	<u>Documenting compliance with standards based on performance testing.</u>	<u>Y</u>	
63.1206(c)	<u>Operating requirements.</u>	<u>Y</u>	
63.1206(c)(1)	<u>General</u>	<u>Y</u>	
63.1206(c)(2)	<u>Startup, shutdown, and malfunction plan requirements.</u>	<u>Y</u>	
63.1206(c)(3)	<u>Automatic waste feed cutoff.</u>	<u>Y</u>	
63.1206(c)(4)	<u>Emergency safety vent operating plan requirements.</u>	<u>Y</u>	
63.1206(c)(5)	<u>Combustion system leak requirements.</u>	<u>Y</u>	
63.1206(c)(6)	<u>Operator training and certification.</u>	<u>Y</u>	
63.1206(c)(7)	<u>Operation and maintenance plan requirements.</u>	<u>Y</u>	
63.1207	<u>What are the performance testing requirements?</u>	<u>Y</u>	
63.1207(a)	<u>General. The provisions of 63.7 apply, except as noted below.</u>	<u>Y</u>	
63.1207(b)	<u>Types of performance tests.</u>	<u>Y</u>	
63.1207(b)(1)	<u>Comprehensive performance test.</u>	<u>Y</u>	
63.1207(b)(2)	<u>Confirmatory performance test.</u>	<u>Y</u>	
63.1207(b)(3)	<u>One-Time Dioxin/Furan Test for Sources Not Subject to Numerical Dioxin/Furan Standard.</u>	<u>Y</u>	
63.1207(c)	<u>Initial comprehensive performance test.</u>	<u>Y</u>	
63.1207(d)	<u>Frequency of testing.</u>	<u>Y</u>	
63.1207(e)	<u>Notification of performance test and continuous monitoring system (CMS) performance evaluation, and approval of test plan and CMS performance evaluation.</u>	<u>Y</u>	
63.1207(f)	<u>Content of performance test plan.</u>	<u>Y</u>	
63.1207(g)	<u>Operating conditions during testing.</u>	<u>Y</u>	
63.1207(h)	<u>Operating condition during subsequent testing.</u>	<u>Y</u>	
63.1207(j)	<u>Notification of compliance.</u>	<u>Y</u>	
63.1207(k)	<u>Failure to submit a timely notification of compliance.</u>	<u>Y</u>	

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Table IV-TBD
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40 CFR 63 Subpart EEE Sources
S-336, Manufacturing Services Thermal Oxidizer
S-389, Sym-Tet Thermal Oxidizer

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
63.1207(l)	<u>Failure of performance test.</u>	<u>Y</u>	
63.1207(m)	<u>Waiver of performance test.</u>	<u>Y</u>	
63.1208	<u>What are the test methods?</u>	<u>Y</u>	
63.1208(b)	<u>Test methods.</u>	<u>Y</u>	
63.1209	<u>What are the monitoring requirements?</u>	<u>Y</u>	
63.1209(a)	<u>Continuous emissions monitoring systems (CEMS) and continuous opacity monitoring system (COMS) requirements.</u>	<u>Y</u>	
63.1209(b)	<u>Other continuous monitoring systems (CMS) requirements.</u>	<u>Y</u>	
63.1209(c)	<u>Analysis of feedstreams requirements.</u>	<u>Y</u>	
63.1209(d)	<u>Performance evaluations requirements.</u>	<u>Y</u>	
63.1209(e)	<u>Conduct of monitoring. Provisions of 63.8 apply.</u>	<u>Y</u>	
63.1209(f)	<u>Operation and maintenance of continuous monitoring systems.</u>	<u>Y</u>	
63.1209(g)	<u>Alternative monitoring requirements other than CEMS.</u>	<u>Y</u>	
63.1209(h)	<u>Reduction of monitoring data.</u>	<u>Y</u>	
63.1209(i)	<u>When an operating parameter is applicable to multiple standards.</u>	<u>Y</u>	
63.1209(j)	<u>Destruction and removal efficiency (DRE) monitoring requirements.</u>	<u>Y</u>	
63.1209(k)	<u>Dioxins and furans monitoring requirements.</u>	<u>Y</u>	
63.1209(l)	<u>Mercury monitoring requirements.</u>	<u>Y</u>	
63.1209(m)	<u>Particulate monitoring requirements.</u>	<u>Y</u>	
63.1209(n)	<u>Semivolatile metals monitoring requirements.</u>	<u>Y</u>	
63.1209(o)	<u>Hydrogen chloride and chlorine gas monitoring requirements.</u>	<u>Y</u>	
63.1209(p)	<u>Maximum combustion chamber pressure.</u>	<u>Y</u>	
63.1209(q)	<u>Operating under different modes of operation.</u>	<u>Y</u>	
63.1209(r)	<u>Averaging period requirements.</u>	<u>Y</u>	
63.1210	<u>What are the notification requirements?</u>	<u>Y</u>	
63.1210(a)	<u>Summary of requirements.</u>	<u>Y</u>	
63.1210(b)	<u>Notice of intent to comply (NIC) requirements.</u>	<u>Y</u>	
63.1210(c)	<u>NIC public meeting and notice requirements.</u>	<u>Y</u>	
63.1210(d)	<u>Notification of compliance requirements.</u>	<u>Y</u>	
63.1211	<u>What are the recordkeeping and reporting requirements.</u>	<u>Y</u>	
63.1211(a)	<u>Summary of reporting requirements.</u>	<u>Y</u>	
63.1211(b)	<u>Summary of recordkeeping requirements.</u>	<u>Y</u>	

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Source-specific Applicable Requirements
40 CFR 63 Subpart EEE Sources
S-336, Manufacturing Services Thermal Oxidizer
S-389, Sym-Tet Thermal Oxidizer

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
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, hydrogen chloride and chlorine gas emissions in excess of the levels provided by paragraph (a)(6) of this section.	Y	
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.

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Source-specific Applicable Requirements
40 CFR Part 63 Subpart FFFF Sources

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

IV. Source-specific Applicable Requirements

Table IV-TBD
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)

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
<u>40 CFR Part 63, Subpart ZZZZ</u>	<u>National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE) (1/30/2013)</u>	<u>Y</u>	<u>See 63.6595(b)</u>
<u>63.6585</u>	<u>Applicability</u>		
<u>63.6585(a)</u>	<u>Applicable to Stationary RICE</u>		
<u>63.6585(b)</u>	<u>Applicable to major source of HAPs</u>		
<u>63.6590(a)(1)</u>	<u>Site rating of >500 bhp. Affected source under stationary RICE located at a major source of HAP emissions, constructed before 12/19/02. Site rating of < 500 bhp. Affected source under stationary RICE located at a major source of HAP emissions, constructed before 6/12/06.</u>	<u>Y</u>	
<u>63.6595(a)</u>	<u>Affected sources</u>	<u>Y</u>	
<u>63.6595(b)</u>	<u>Area sources that become major sources</u>	<u>Y</u>	
<u>63.6595(c)</u>	<u>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)</u>	<u>Y</u>	
<u>63.6600(c)</u>	<u>>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.</u>	<u>Y</u>	
<u>63.6602</u>	<u><500 bhp. Comply with requirements in Table 2c.</u>	<u>Y</u>	
<u>63.6604</u>	<u>Fuel requirements for CI RICE</u>	<u>Y</u>	
<u>63.6605</u>	<u>General requirements for complying with this subpart. (a) compliance with emission limitations, operating limitations, and other requirements in the subpart that apply at all time. (b) operational and maintenance requirements.</u>	<u>Y</u>	
<u>63.6625(e)(2)</u>	<u><500 bhp. Maintain RICE and abatement controls according to manufacturer's instructions or develop own plan. (Engines less than 500 bhp)</u>	<u>Y</u>	
<u>63.6625(f)</u>	<u><500 bhp. Requirement to install a non-resettable hour meter.</u>	<u>Y</u>	
<u>63.6625(h)</u>	<u>Minimize idling, and minimize startup time to not exceed 30 minutes.</u>	<u>Y</u>	
<u>63.6640(a)</u>	<u>Demonstrate compliance with the requirements of Table 2d according to work or management practices of Table 6, Part 9a.</u>	<u>Y</u>	
<u>63.6640(b)</u>	<u>Report deviations from the requirements of Table 2d.</u>	<u>Y</u>	

IV. Source-specific Applicable Requirements

Table IV-TBD
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)

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
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	

Table IV-TBD
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

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
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))

IV. Source-specific Applicable Requirements

Table IV-TBD
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

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
63.7485	Am I subject to this subpart? 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. (1) Any new or reconstructed boiler or process heater at the existing source must be in compliance upon startup. (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-TBD
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

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

IV. Source-specific Applicable Requirements

- Table IV-TBD**
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

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
<u>Part 7</u>	<u>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.</u>	<u>Y</u>	
<u>Part 8</u>	<u>For S-389, requirement to use Compliance Performance Test conducted under 40 CFR Part 63 Subpart EEE to demonstrate compliance with destruction efficiency requirement of condition 2039 part 5.</u>	<u>Y</u>	
<u>Part 9</u>	<u>Definition of exceedance and excursion for S-389.</u>	<u>Y</u>	
<u>Part 10</u>	<u>Requirement to install a thermocouple in incinerator chamber at S-389</u>	<u>Y</u>	
<u>Part 11</u>	<u>Temperature monitoring and recordkeeping requirement for S-389</u>	<u>Y</u>	
<u>Part 12</u>	<u>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.</u>	<u>Y</u>	
<u>Part 13</u>	<u>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.</u>	<u>Y</u>	
<u>Part 14</u>	<u>Definition of exceedance and excursion for A-400.</u>	<u>Y</u>	
<u>Part 15</u>	<u>Requirement to install a thermocouple in incinerator chamber at A-400</u>	<u>Y</u>	
<u>Part 16</u>	<u>Temperature monitoring and recordkeeping requirement for A-400</u>	<u>Y</u>	
<u>Part 17</u>	<u>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.</u>	<u>Y</u>	

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

Application 30711, 9487, 16468, [25041](#)
For S-460, Dowtherm Heater:

1. Only natural gas shall be fired 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)
- ~~3. The S-460 flue gas recirculation system shall recirculate at least 15% of the flue gas to the fire box at all times, except during start up periods as defined in District Regulation 9, Rule 7
(Basis: Cumulative Increase, BAAQMD Regulation 9-7/BAAQMD 2-1-403)~~
 - 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)

VI. Permit Conditions

4. Deleted. ~~Replaced by Rule 9-7-301.1~~
5. Deleted. ~~Replaced by Rule 9-7-301.1~~
6. Deleted. ~~Replaced by Rule 9-7-301.1~~
7. ~~To demonstrate compliance with the limit of 30 ppmvd NOx at 3% oxygen contained in District Regulation 9-7-301.1, the owner/operator shall perform a District-approved source test on S-460 at least once every 5 years. 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.~~
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 9-7-307.51.1)
8. ~~The owner/operator shall maintain records of the source test results from Part 7. These records shall be maintained for five years and made available to District personnel upon request.~~
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) (Basis: ~~BAAQMD Regulation 2-6-501, BAAQMD Regulation 9-7-301.1~~)

VI. Permit Conditions

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 # 1359~~

~~For S-464, Product Drier~~

~~A-95, F-413 Bag Filter~~

~~A-114, Vacuum System~~

- ~~1. A-95, the F-413 Bag Filter, and A-114, the Vacuum System, shall be operating whenever S-464 is operating.
(Basis: Cumulative Increase, BAAQMD Regulation 6)~~

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-531, T410C Storage Tank Tote;~~

~~S-532, T410D Storage Tote Tank;~~

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

S-336, Manufacturing Services Thermal Oxidizer;

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

VI. Permit Conditions

1. S-521 Water Treatment System and ~~Tanks S-531, S-532, 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)
2. All emissions from the S-521 Water Treatment System and ~~Tanks S-531, S-532, 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](#)

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-94; 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)

VI. Permit Conditions

3. S-389 shall be abated by A-94 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 ~~(upstream of all abatement equipment)~~.
(Basis: Cumulative Increase, BACT)
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 NO_x 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. NO_x 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 NO_x 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

VI. Permit Conditions

- District approved format and submitted to the District's Engineering Division within [6030](#) 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.
13. The owner/operator of S-389 shall install District approved continuous monitors and recorders to measure the following:
- Chlorinated hydrocarbon liquid feed rate.
 - S-389 O₂ emission rate.
 - S-389 combustion chamber temperature.
 - 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 ft above grade. The stack height of the A-77 Bypass Stack (P-8) shall be at least 35 ft above grade.
(Basis: [TRMPP 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 a 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 \(S-400\)](#), ~~Experimental~~ 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-121, In Process Technology Thermal Abatement Device](#)

A-401, Acid Adsorber B-901

VI. Permit Conditions

1. ~~Deleted~~ The IPT Thermal Abatement Device (A-121) shall achieve a minimum 99.9% (wt) Organic Destruction/ Removal Efficiency (3 hour average) at all times, except when emissions are vented through the properly operating S-400 Experimental Thermal Oxidizer.
(Basis: Cumulative Increase, BAAQMD Regulation 8-2-301)
2. ~~Deleted~~ The IPT Device (A-121) shall maintain a minimum operating temperature of 1800 degrees F (982 degrees C) and minimum exhaust gas residence time of 1 second 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: Cumulative Increase, BAAQMD Regulation 8-2-301)
3. Emissions from ~~IPT Device (A-121) and SA-400 Experimental~~ Thermal Oxidizer shall be vented through the A-401 Acid Absorber and the A-79 Packed Scrubber at all times that ~~A-121 or SA-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 in A-121~~. Compliance with this limit shall be demonstrated by measurement of total 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, ~~and before abatement in A-121~~.
(Basis: Cumulative Increase)
6. Deleted.
7. Emissions from S-504 and S-505, Chlorinolysis Trains 1 and 2, shall be abated by ~~either SA-400, Experimental Thermal Oxidizer, or A-121, IPT Thermal Abatement Device~~ whenever operating.
(basis: Cumulative Increase, BAAQMD Regulation 8-2-301)
8. The ~~SA-400 Experimental~~ Thermal Oxidizer shall achieve a minimum 64% (wt) Organic Destruction/ Removal Efficiency at all times, ~~except when emissions are vented through the properly operating A-121, IPT Thermal Abatement Device~~.
(basis: BAAQMD Regulation 8-2-301)

VI. Permit Conditions

9. The SA-400 ~~Experimental~~ 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~~ The temperature limits in Part 2 and 9 above shall not apply during an "Allowable Temperature Excursion", provided that the temperature controller setpoint complies with the temperature limit. An Allowable Temperature Excursion is one of the following:

- ~~— a. A temperature excursion not exceeding 20 degrees F; or~~
- ~~— b. A temperature excursion for a period or periods which when combined are less than or equal to 15 minutes in any hour; or~~
- ~~— c. A temperature excursion for a period or periods which when combined are more than 15 minutes in any hour, provided that all three of the following criteria are met:~~
 - ~~— i. the excursion does not exceed 50 degrees F;~~
 - ~~— ii. the duration of the excursion does not exceed 24 hours; and~~
 - ~~— iii. the total number of such excursions does not exceed 12 per calendar year (or any consecutive 12 month period).~~
- ~~— Two or more excursions greater than 15 minutes in duration occurring during the same 24 hour period shall be counted as one excursion toward the 12 excursion limit.~~
- ~~— (basis: BAAQMD Regulation 2-1-403)~~

~~11. Deleted~~ For each Allowable Temperature Excursion that exceeds 20 degrees F and 15 minutes in duration, the owner/operator shall keep sufficient records to demonstrate that they meet the qualifying criteria described above. For the purposes of Parts 9 and 10, a temperature excursion refers only to temperatures below the limit. (basis: BAAQMD Regulation 2-1-403)

- ~~12.~~ 10. 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-121 and~~ SA-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

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)

VI. Permit Conditions

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 -----

Dow Chemical Company
P.O. Box 1398
Pittsburg, CA 94565

Equipment Location:
End of Loveridge Road
Pittsburg, CA 94565

Application Number: 3818 Plant Number: 31

Condition for: ** 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.

Condition # 3712

~~Applications 4220, 8824, 12143, 16468~~

~~Conditions for S-588, Drum Filling Station~~

~~S-589, Product Recovery Tank, T-203~~

~~S-638, Truck Mounted Bulk Transportable Pressure Tank X-205~~

~~A-142, Vapor Balance System from Drum Filling Station to Truck Mount Bulk
Pressure Vessel~~

~~A-177, Container Loading Vapor Balance Line~~

VI. Permit Conditions

- ~~1. During any drum filling operations involving perchloroethylene, trichloroethylene, xylene, or any agricultural product containing the above chemicals, all emissions from the Small Volume Recyclable Container Filling Line (S-588) shall be vapor balanced via A-142 or A-177 to the airtight Bulk Transportable Containers (S-638). Emissions resulting from drum filling of Lorsban 4E-HF are not required to be vapor balanced back to the S-667 Bulk Transportable Container.
(Basis: Cumulative Increase)~~
- ~~2. Deleted.~~
- ~~3. Deleted.~~
- ~~4. Deleted.~~
- ~~5. The combined throughput of chlorinated solvents (perchloroethylene and trichloroethylene) at S-588 shall not exceed 3,416,000 gallons during any consecutive 12-month period. The throughput of chlorinated solvent drums (15.5-gallon capacity) at S-588 shall not exceed 604 drums during any calendar day.
(Basis: Cumulative Increase)~~
- ~~6. The throughput of drums loaded with agricultural products at S-588 shall not exceed 32,258 drums during any consecutive 12-month period; nor 576 drums per calendar day.
(Basis: Cumulative Increase)~~
- ~~7. The owner/operator of S-588 shall maintain appropriate daily records to confirm compliance with Parts #5 and #6. These records shall be made available to District personnel upon request and shall be kept on file for a minimum of five years from the date of last entry.
(Basis: Cumulative Increase, BAAQMD Regulation 2-6-501)~~
- ~~8. The operator of shall test S-638 for compliance with Regulation 8-5-307 once every 3 months, or if S-638 is not operated during the previous 3-month period, then the operator shall check for compliance at the next loading event.
(Basis: BAAQMD Regulation 8-5-307/BAAQMD Regulation 2-1-403)~~
- ~~9. The operator shall keep records that the gas tight condition was verified for S-638 and the results of the check. 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 8-5-307/BAAQMD Regulation 2-1-403)
Regulation 2-6-501)~~

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Condition # 4002

Application 4113

~~Conditions for S-586, T-371, Recycle Tank, and~~

~~S-587, Tank Truck Loading at Latex for Recycle Styrene~~

~~A-42, B-368 Latex Plant Styrene Scrubber~~

~~A-141, Vapor Balance System for Latex, Recycle Styrene Truck Loading~~

- ~~1. Total styrene/butadiene solution throughput at the S-587, Tank Truck Loading at Latex for Recycle Styrene, shall not exceed 48,000 gal/yr.
(Basis: Cumulative Increase)~~
- ~~2. All loading of styrene/butadiene solutions at S-587 shall be abated by the A-141 Vapor Balance System.
(Basis: Cumulative Increase)~~
- ~~3. The S-586, T-371 Recycle Storage Tank, shall be vapor tight and vented to the Latex Plant Styrene Scrubber, A-42 at all times that S-586 is operating.
(Basis: Cumulative Increase)~~
- ~~4. The owner/operator of S-587 shall maintain appropriate records to confirm compliance with Part #1. These records shall be kept on file 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, BAAQMD Regulation 2-6-501)~~

Changes to condition 4780 under application 14456 are shown below. Note: A-206 below was described as A-205 in application 14456.

Condition # 4780

Applications 4128, 16468, 8894, 14456

Permit Conditions for Sources

S-593, Plant 640, Section 1, ~~including: R-101, R-201, R-1;~~

S-594, Plant 640, Section 2

S-595, Plant 640, Section 3

S-596, Plant 640, Section 4, ~~including: B-1701, R-280;~~

S-604, Truck Loading Facility Plant 640;

~~S-606, T-602 Plant 640 (exempt)~~

S-607, T-1904 Plant 640 ~~and~~

~~S-618, Cooling Tower (exempt)~~

A-147, B-3210 Scrubber

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

A-149, B-1303 Packed Bed Scrubber:

A-206, ME-3220 Backup Carbon Adsorber

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S-336, Manufacturing Services Halogen Acid Furnace
S-389, Sym-Tet Halogen Acid Furnace

1. ~~Emissions of precursor organic compounds from the A-147 Scrubber (P-242) and the A-149 Scrubber (P-243) combined shall not exceed 8 pounds on any day. 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. Emissions of 4-amino-3,5 dichloro-2,6 difluoro pyridine from the A-147 Scrubber (P-242) and the A-149 Scrubber (P-243) combined shall not exceed 0.02 pounds on any day. 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 5TRMP)

- *3. ~~Emissions of ammonia from the A-147 Scrubber (P-242) and the A-149 Scrubber (P-243) combined shall not exceed 0.02 pounds on any day; and the exhaust concentration of ammonia from either P-242 or P-243 shall not exceed 200 ppm at stack exit conditions.~~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 5TRMP)

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 a 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
_____ Ethylene Glycol
_____ Fully Halogenated Heterocycle (FHC)
_____ Ammonia
_____ Potassium Chloride
_____ Potassium Hydroxide
_____ Chloroform

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Trichloroethylene

1,1,1,2-Tetrachloroethane

Perchloroethylene

Carbon Tetrachloride

(Basis: BAAQMD Regulation 2, Rule 5)

~~If the source test conducted for this plant identifies the emission of any material not identified in the below listing, then the applicant shall submit either a revised Risk Screening Analysis or sufficient information to indicate that the new material is less toxic than Methyl Chloroacetate:~~

~~Methyl Chloroacetate (MCA)~~

~~4-amino-3,5-dichloro-2,6-difluoro-pyridine~~

~~N-Methyl-Pyrrolidone (NMP)~~

~~Methyl Chloride~~

~~Methanol~~

~~Ethylene Glycol~~

~~Fully Halogenated Heterocycle (FHC)~~

~~Ammonia~~

~~Potassium Chloride~~

~~Potassium Hydroxide~~

(Basis: ~~TRMP~~)

~~6. There shall be 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. 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, ~~TRMP~~Regulation 2, Rule 5)

7. Deleted.

8. Deleted.

~~9. Deleted. The S-618 Cooling Tower shall circulate a maximum of 6200 gpm water and shall not exceed 2500 ppm (wt) Total Dissolved Solids, nor emit more than 1 lb/day (wt) Volatile Organic Compounds as defined in District Reg 1-236. Cooling water shall be tested on a monthly basis for the first 6 months of operation, then quarterly afterwards, in order to confirm compliance with this condition.~~

(Basis: ~~BAAQMD Regulation 6-301, Cumulative Increase~~)

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10. Deleted.

11. ~~Total rail car shipments at S-593, S-594, S-595, and S-596 combined shall not exceed 210 cars per year. 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 330 cars per consecutive 12-month period.~~
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 330 cars per consecutive 12-month period.
(Basis: Cumulative Increase)

*12. ~~The proposed modification to Plant 640 (S-593, S-594, S-595, and S-596) shall not result in 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. 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.~~
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. ~~All materials handled at Tank Truck Loading source S-604 shall not be spilled, discarded in sewers, stored in open containers, or handled in any other manner that would result in evaporation to the atmosphere. The owner/operator shall ensure that the 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 atmosphere.~~
The owner/operator shall ensure that the 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 atmosphere.
(Basis: Regulation 2, Rule 5TRMP)

~~1.14. Plant 640 (S-593, S-594, S-595, and S-596) product (herbicide intermediate) shall only be loaded in solid form, with sufficient moisture present to prevent visible emissions and odors from occurring at the loading site. 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.~~
Plant 640 (S-593, S-594, S-595, and S-596) product (herbicide intermediate) shall only be loaded in solid form, with sufficient moisture present to prevent visible emissions and odors from occurring at the loading site. 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 5TRMP, Cumulative Increase)

~~2.15. 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

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- period;
- b. Records indicating whether the emissions from A-147 and A-149 are abated at S-336, S-389, 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; 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.
- ~~3. The owner/operator of S-593, S-594, S-595, S-596, S-604, and S-618 shall maintain appropriate records in order to confirm compliance with Parts #9, 11, and 18. These records shall be kept on file for a minimum of five years and shall be made available to District personnel upon request.~~
(Basis: Cumulative Increase, ~~BAAQMD Regulation 6-301~~, BAAQMD Regulation 2-6-501)
- 4.17. A-147 Scrubber (P-242) shall abate S-593, S-594, S-596, S-606, and S-607 at all times each source is operating, and A-149 Scrubber (P243) shall abate S-595 at all times S-595 is operating. 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, ~~BAAQMD Regulation 8, Rule 2~~)

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5.18. To demonstrate compliance with the emission limit in Part 1 and with Regulation 8-2-301, the owner/operator shall perform a District-approved source test at least once every 5 years. 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. To demonstrate compliance with the emission limit in Part 1, the owner/operator shall perform a District-approved source test to measure the combined POC 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 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, ~~Regulation 8-2-301~~)

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, S-389, 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 S-389, or
- b. 90% by weight for the periods that the A-147/A-149 vents were directed to A-206.

(Basis: Cumulative Increase)

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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)
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 must be abated at the in-line spare carbon bed or at S-336 or S-389.
(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)

Changes to condition 4780 under application 25436 are shown below. This is the current version of this condition in the District permit.

COND# 4780-----

Applications 4128, 16468, 8894, 14456, 25436
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

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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
~~S-389, Sym Tet 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 5TRMP](#))
- *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 5TRMP](#))
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 a 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
 - Ethylene Glycol
 - Fully Halogenated Heterocycle (FHC)
 - Ammonia
 - Potassium Chloride

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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 TRMP](#))

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 ~~345~~³⁰ 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 the all materials

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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 atmosphere.

(Basis: [Cumulative Increase, Regulation 2, Rule 5TRMP](#))

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 5TRMP](#), 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, ~~S-389~~, 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 [Parts 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

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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.

(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)

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, ~~S-389~~, or at the Backup Carbon Adsorber, A-206.

(Basis: Cumulative Increase)

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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 S-389~~, 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)
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~~5~~ 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

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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~~must be abated at the in-line spare carbon bed or at S-336 ~~or S-389~~.

(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 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

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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 5TRMP](#))
- *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 5TRMP](#))
- *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 5TRMP](#))

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 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.

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(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 # 5180

~~A/N 4973, 16468~~

~~Condition for S-609, Acetone Truck Loading Rack abated by A-161, Sorbathene Vapor Recovery System~~

- ~~1. S-609 Acetone Truck Loading shall be vented to the properly maintained and properly operating A-161 Sorbathene Vapor Recovery System whenever S-609 is transferring liquid.
(Basis: BAAQMD Regulation 8-6-302.1/BAAQMD 2-1-403)~~
- ~~2. The capture efficiency of the Sorbathene Vapor Recovery System (A-161) shall be maintained at a minimum of 95% on a mass basis.
(Basis: BAAQMD Regulation 8-6-302.1/BAAQMD 2-1-403)~~
- ~~3. Precursor Organic Compound (POC) emissions from S-609 shall not exceed 0.35 pounds per 1000 gallons of throughput after abatement (A-161).
(Basis: BAAQMD Regulation 8-6-302.1)~~
- ~~4. Deleted.~~
- ~~5. As part of the start-up source test required in Part #4, the owner/operator of A-161 shall establish a carbon bed regeneration policy, a minimum carbon bed regeneration time period, and a maximum allowable bed temperature increase to insure proper operation of A-161.
(Basis: BAAQMD Regulation 8-6-302.1/BAAQMD 2-1-403)~~
- ~~6. The owner/operator of A-161 shall maintain records of
(1) the time, date, and gallons loaded for each acetone truck loading event,
(2) the bed temperature rise during each truck loading event,
(3) the date and length of time of each bed regeneration to confirm compliance with the standards established in Part #5, and
(4) the leak inspection records for Part #7.~~

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~~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 8-6-302.1, BAAQMD Regulation 8-6-305, BAAQMD Regulation 8-5-306)~~

~~7. During all loading events, the operator shall confirm that all connections to the tank truck and A-161 Sorbathene Vapor Recovery System are leak free and in good working order.~~

~~(Basis: BAAQMD Regulation 8-6-305, BAAQMD Regulation 8-5-306)~~

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 # 5377

A/N 4451

~~For S-25, Material Flow Tank, T-734:~~

~~Conditions for A-151~~

~~*1. The Vapor Balance System for styrene tank loading via rail car (A-151) shall be properly maintained and operated and shall abate S-25 during any styrene tank loading operation.~~

~~(Basis: Voluntary Limit)~~

~~2. A-151, Vapor Balance System shall be properly maintained and operated and shall abate S-25 during loading of any organic liquids with vapor pressure greater than 0.5 psia.~~

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~~(Basis: BAAQMD Regulation 8-5-301)~~

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.

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, [Rule 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, Rule 5TRMP](#), BAAQMD Regulation 8-1-110.3/BAAQMD 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, Rule 5TRMP](#), BAAQMD Regulation 8-1-110.3/BAAQMD 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, Rule 5TRMP](#), BAAQMD Regulation 8-1-110.3/BAAQMD 2-1-403)

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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 5TRMP](#), BAAQMD Regulation 2-6-501, BAAQMD Regulation 8-1-110.3/ BAAQMD 2-1-403)

Condition # 6859

Applications 26910, 7308, 12387, 11902, 16468, 8895
Conditions for S-336, Manufacturing Services Thermal Oxidizer
A-21, B-15 Manufacturing Services Scrubber
A-54, B-15 Demister
A-72, 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-72).
(Basis: BAAQMD Regulation 2-1-403)
3. Nitrogen oxide (NO_x) emissions shall not exceed 8.6 lbs/day as NO₂.
(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.

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(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 NOx emissions at least once every 5 years. 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 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-72, 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 ~~36%~~ Hydrochloric Acid Storage Tank,
S-645, T-34B ~~36%~~ 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 ~~36%~~ 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)

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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)

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)

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:

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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 5TRMP](#))
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 5TRMP](#))

Conditions for S-647

3. All process emissions from S-647 shall be vented to S-648.
(Basis: Cumulative Increase, [Regulation 2, Rule 5TRMP](#))
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 5TRMP](#))
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 5TRMP](#))
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 5TRMP](#))
7. Deleted.

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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 5TRMP](#), 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 ~~either the A-184 Carbon Beds or the S-336 Thermal Oxidizer. Whenever A-182 is vented to A-184, A-184 shall consist of two 600 pound activated carbon canisters, in series, except when changing out the first carbon bed in series or when performing maintenance on a carbon bed. Whenever A-182 is vented to A-184, S-648 shall be abated by at least one carbon canister.~~

(Basis: Cumulative Increase, [Regulation 2, Rule 5TRMP](#))

11. ~~Deleted~~The organic compound concentration of the exit stream of the first carbon bed in series shall be monitored on a daily basis with either a portable hydrocarbon detector or a gas chromatograph. The first carbon bed in series shall be changed out with unspent carbon within 72 hours of the detection of an organic compound concentration exiting the bed of 10 ppmv or greater.

(Basis: Cumulative Increase, TRMP)

12. ~~Deleted~~The organic compound concentration at the outlet of the carbon bed exhausting to atmosphere shall be monitored whenever the other carbon bed is out of service. If this concentration exceeds 10 ppmv, then S-648 shall be shut down immediately or vented to the S-336 Thermal Oxidizer.

(Basis: Cumulative Increase, [Regulation 2, Rule 5TRMP](#))

13. ~~Deleted~~Emissions from the outlet of A-184 Carbon Beds (P-264) shall not exceed 292 pounds of precursor organic compounds (POC) nor 730 pounds of hydrochloric acid (HCl) in any consecutive 12-month period.

(Basis: Cumulative Increase, TRMP)

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,
- b. ~~daily hydrocarbon concentration readings as required in Parts #11 and #12,~~
- c. ~~number, time, and date of carbon bed replacements,~~

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- ~~d. — dates and times that S-648 is vented to S-336 instead of to A-184, and
e. — emissions of POC and HCl from A-184 on a monthly basis for the previous 12 month period.~~

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 5TRMP](#), 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 5TRMP](#))

*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 representatives upon request.
(Basis: [Regulation 2, Rule 5TRMP](#), 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 5TRMP](#))

*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 5TRMP](#), 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)

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2a. This part shall apply until 1/1/2012. Except during periods of start-up or shutdown, the concentration of nitrogen oxide (NOx) 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 (NOx) emissions from S-444 shall not exceed 9 ppmvd at 3% oxygen.

(Basis: BAAQMD Regulation 9-7-307.5)

~~2. Except during periods of start-up or shutdown, the concentration of nitrogen oxide (NOx) emissions from S-444 shall not exceed 30 ppmvd at 3% oxygen.~~

~~(Basis: BAAQMD Regulation 9-7-301)~~

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 NOx and CO emissions within 3 months of installing the ultra Low NOx burner. The owner/operator shall conduct a source test for NOx and CO at least once every 5 years (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 and calculations shall be submitted to the Manager of the District's Source Test Section for review and disposition.

(Basis: BAAQMD Regulation 9-7-307.51, 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 9-7-307.51)

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:

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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

A-150, Vapor Balance System for Styrene Tank Truck Loading

A-151, Vapor Balance System for Styrene Loading Via Railcar

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	<u>S-483</u>
S-7	S-30	S-35		

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

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 styrene tank truck loading (A-150) shall be properly maintained and operated and shall abate S-5 during any styrene loading operation. 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~~Voluntary Limit)

- *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)

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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 # 13335~~

~~Application 25981~~

~~Conditions for S-675, Carbon Tetrachloride Railcar Storage Tank:~~

- ~~1. The total carbon tetrachloride throughput for S-675 shall not exceed 5,669 gallons (74,720 pounds) during any consecutive 12-month period.
(Basis: Cumulative Increase)~~
- ~~2. The total number of unloading events at S-675 shall not exceed 5 during any calendar year.
(Basis: Cumulative Increase)~~
- ~~3. The Permit Holder of S-675 shall maintain records of carbon tetrachloride throughput and the date and number of 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)~~

~~Condition # 14098~~

~~For S-174, Gasoline Dispensing Island:~~

- ~~*1. Pursuant to BAAQMD Toxic Section Policy, this facility's annual gasoline throughput shall not exceed 940,000 gallons in any consecutive 12-month period.
(Basis: TRMP)~~

~~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:~~

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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)
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)

Condition # 14438

Application 16769, 8894, 11244

Conditions for S-302, Dowicil Train 1;

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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
 - c. Calculating the methylene chloride emission rate from A-192 using the following equation:
$$E = 0.15304 * Q * H * P / (T + 460)$$

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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:
 - a. 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.
 - b. 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.
 - c. Monthly records of the methylene chloride throughput rate at each Storage Tank (S-662, S-663, and S-664).
 - d. 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.
 - e. 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.
 - f. Daily records of the A-192 exhaust flow rate, Q, measured pursuant to Part #7.a.
 - g. Daily records of the A-192 exhaust gas temperature, T, measured pursuant to Part #7.b.
 - h. 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)

Condition # 14722

Application 17265

~~Conditions for S-682, Groundwater Treatment Plant Air Stripper
S-336, Manufacturing Services Thermal Oxidizer,
S-389, Sym Tet Thermal Oxidizer R-501:~~

VI. Permit Conditions

- ~~1. The S-682, Air Stripper shall be abated by either the S-336, Manufacturing Services Thermal Oxidizer or the S-389, Sym-Tet Thermal Oxidizer during all hours of operation. All associated piping shall be vapor-tight with no detectable organic emissions.
(Basis: Cumulative Increase, Offsets, BAAQMD Regulation 8-47-301)~~
- ~~2. The total amount of contaminated ground water treated at S-682 shall not exceed 52,560,000 gallons during any consecutive 12-month period.
(Basis: Cumulative Increase, Offsets)~~
- ~~3. The total amount of volatile organic compounds fed to the S-682 Air Stripper shall not exceed 52,560 pounds during any consecutive 12-month period.
(Basis: Cumulative Increase, Offsets)~~
- ~~4. The concentration of carbon tetrachloride in the ground water fed to S-682 shall not exceed 105 ppm by weight.
(Basis: Cumulative Increase, TRMP)~~
- ~~5. To confirm compliance with Parts #2 through #4, the owner/operator of S-682 shall maintain the following records in a District-approved logbook.
 - ~~a. Monthly records of the total amount of ground water treated at S-682.~~
 - ~~b. For each of the first three days of operation at least one sample of influent water shall be collected and analyzed. For the first four months of operation a minimum of two samples per month shall be collected and analyzed. At least one sample shall be collected and analyzed thereafter for each calendar month of operation.~~
 - ~~c. Calculate the amount of volatile organics fed to S-682 on a monthly basis using the amount of ground water processed during the month (from Part 5.a.) and the maximum detected amount of volatile organics in the ground water samples analyzed in accordance with Part 5.b.~~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: Cumulative Increase, Offsets, TRMP, BAAQMD Regulation 2-6-501)~~

Condition # 15372

Dow Chemical Company, Plant #31

Application #18105, Revised under Application #12025

Conditions for S-683, Storage Vessel, D-110A:

- ~~1. The S-683 Storage Vessel shall be equipped with a pressure relief valve set to at least 7 psig.
(basis: BAAQMD Regulation 8-5-307)~~

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- ~~2. During tank loading, the S-683 Storage Vessel shall be equipped with a gas-tight vapor balance line that returns vapors from the storage vessel to the delivery tank trucks.
(basis: Cumulative Increase)~~
- ~~3. The total amount of acrylic acid loaded into S-683 shall not exceed 585,000 gallons during any consecutive 12-month period.
(basis: Cumulative Increase)~~
- ~~4. To confirm compliance with Part #3, the owner/operator of S-683 shall maintain the following records in a District-approved logbook:
 - ~~a. Monthly records of the total amount of acrylic acid loaded into S-683 and any other materials loaded into S-683.~~
 - ~~b. Monthly records of the vapor pressure of all materials loaded into S-683. 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: Cumulative Increase, BAAQMD Regulation 2-6-501)~~~~
- ~~5. S-683 may not store any liquid containing organic compounds with a vapor pressure greater than 0.5 psia measured at 25 degrees C.
(basis: BAAQMD Regulation 2-1-301, BAAQMD Regulation 8-6-110)~~

Condition # 15932

Application 18750, 16468, 8894

For S-693, Distillation System:

For S-694, Reaction/HCL Absorption System:

For S-695, Storage Tank, T-~~58026~~:

For S-696, Storage Tank, T-~~58527~~:

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 5TRMP](#), Offsets)

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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 5TRMP](#), 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 5TRMP](#))
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 5TRMP](#))
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 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 5TRMP](#), 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)

VI. Permit Conditions

13. The owner/operator of S-695, S-696, and S-697 shall maintain the following records in a District-approved log:
- 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,
 - the date and verification of leak tight connection at S-697, and
 - 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 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:

- Abated particulate emissions (PM10) from S-684 shall not exceed 2.3 lbs in any consecutive 12-month period.
(basis: Cumulative Increase)
- S-684 shall be abated by A-193 Cartridge Dust Collector whenever S-684 is in operation.
(basis: Cumulative Increase, BAAQMD Regulation 6, [Rule 1](#))
- 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, [Rule 1](#))

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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, [Rule 1](#), BAAQMD Regulation 2-1-403)

Condition # 16610

~~For S-198, Latex Plant Process Recycle Tank, T-366:~~

~~For S-199, Latex Plant Process Tank, T-367:~~

~~For S-226, Latex Plant Process Tank, T-364:~~

~~For S-421, Latex Plant Process Recycle Tank, T-368:~~

~~For S-489, Latex Still, B-100:~~

~~For S-490, Stripping Tank, B-310:~~

~~For S-491, Pressure Tank, T-363:~~

~~For S-507, Latex Plant Reactor, R-100:~~

~~A-42, B-268 Latex Plant Styrene Scrubber~~

~~S-336, Manufacturing Services Thermal Oxidizer~~

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

- ~~1. All emissions from the S-507 Latex Plant Reactor and S-489 Latex Plant Still shall be abated by the A-42 Styrene Scrubber.
(Basis: Cumulative Increase, BAAQMD Regulation 8-36-301.1)~~
- ~~2. The Latex Plant Process Tanks (S-198, S-199, S-226, S-421, and S-491) shall each be vented to A-42, whenever the tank contains organic compounds.
(Basis: Cumulative Increase, BAAQMD Regulation 8-36-301.1)~~
- ~~3. The B-310 Stripping Tank (S-490) shall be vented to A-42, whenever S-490 is being used for steam stripping of decant water.
(Basis: Cumulative Increase, BAAQMD Regulation 8-36-301.1)~~
- ~~4. Total organic emissions from the A-42 Styrene Scrubber shall not exceed 346 pounds per day.
(Basis: Cumulative Increase)~~
- ~~5. Emissions from the A-42 Styrene Scrubber shall be vented to a Thermal Oxidizer (either S-336 or S-389) at least 90% of total Latex Plant (S-489, S-507) operating time.
(Basis: Offsets—Emission Reductions Banked)~~

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- ~~6. During any time that A-42 is not vented to a Thermal Oxidizer, the A-42 scrubber solution shall have a styrene concentration of at least 80% by weight.
(Basis: Cumulative Increase, BAAQMD Regulation 8-36-301.1)~~
- ~~7. During any time that A-42 is not vented to a Thermal Oxidizer, the S-507 Latex Plant Reactor shall process no more than 4 styrene-butadiene latex batches per calendar day.
(Basis: Cumulative Increase)~~
- ~~8. In order to demonstrate compliance with Parts #4 through #7, the owner/operator shall maintain the following records for each bypass incident (any time during which A-42 vents to the atmosphere instead of to a Thermal Oxidizer.)~~
- ~~a. Record the date, time, and duration for each bypass incident,~~
- ~~b. Record the reason for each bypass incident,~~
- ~~c. Record the styrene concentration in the scrubber solution at least once per day during each bypass incident, and~~
- ~~d. Record the number of batches produced by the S-507 Latex Plant Reactor during each bypass incident.~~
- ~~All records shall be maintained on site for at least 5 years from the date of entry and shall be made available to District staff upon request.
(Basis: Cumulative Increase, Offsets, BAAQMD Regulation 8-36-301.1/BAAQMD Regulation 2-1-403, BAAQMD Regulation 2-6-501)~~

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](#)~~Toxic Risk Management Policy~~)
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 shall be made available to District staff upon request.
(Basis: [Regulation 2, Rule 5](#)~~TRMP~~, BAAQMD Regulation 2-6-501, BAAQMD Regulation 8-5-501.1)

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~~Condition # 17683~~

~~Conditions for S-705, Shot Blast Unit and A-198, Dust Collector~~

- ~~1. The total (gross) usage of abrasives at the S-705, Shot Blast Unit, shall not exceed 280,320 pounds during any consecutive 12-month period.
(Basis: Cumulative Increase)~~
- ~~2. Emissions from S-705 shall be abated by the A-198, Dust Collector, during all times that S-705 is operating. The A-198, Dust Collector, shall be operated and maintained in accordance with the manufacturer's recommended operating and maintenance procedures. Failure to control emissions from S-705 with a properly operated and properly maintained dust collector will result in a violation of the Regulation 2-2-302 BACT requirement.
(Basis: Cumulative Increase)~~
- ~~3. In order to demonstrate compliance with Parts 1 and 2, the Permit Holder shall maintain the following records:
 - ~~a. Record the operating times for the S-705, Shot Blast Unit, and the A-198, Dust Collector, on a daily basis.~~
 - ~~b. Record the total (gross) amount of abrasives used at S-705 on a monthly basis.~~
 - ~~c. Maintain records of the manufacturer's recommended operating and maintenance procedures for the A-198, Dust Collector.~~
 - ~~d. Establish a pre-operation checklist or other equivalent procedure to ensure that A-198 will only be operated in accordance with the manufacturer's recommendations.~~
 - ~~e. Maintain records of all cleaning, maintenance, and repairs performed on the A-198, Dust Collector, to demonstrate that this dust collector was maintained in accordance with the manufacturer's recommendations.~~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 requirements shall not replace the record-keeping requirements contained in any applicable District Regulations.
(Basis: Cumulative Increase, BAAQMD Regulation 2-6-501)~~

~~FUTURE Condition # 17878~~

~~Conditions for S-704, Storage Tank~~

- ~~1. The S-704 Storage Tank shall be equipped with a pressure relief valve set to at least 50 psig.
(basis: BAAQMD Regulation 8-5-303)~~
- ~~2. During tank loading, the S-704 Storage Tank shall be equipped with a gas tight vapor balance line that returns vapors from the storage tank to the delivery rail cars.~~

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~~(basis: Cumulative Increase, BAAQMD Regulation 8-6-304)~~

~~3. The total amount of acrylonitrile loaded into S-704 shall not exceed 580,000 gallons during any consecutive 12-month period.~~

~~(basis: Cumulative Increase)~~

~~4. To confirm compliance with Part #3, the Permit Holder of S-704 shall maintain the following records in a District approved logbook:~~

~~a. Monthly records of the total amount of acrylonitrile loaded into S-704.~~

~~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: Cumulative Increase, BAAQMD Regulation 2-6-501)~~

Condition # 17971

~~Applications 690, 2416~~

~~For S-506, Manufacturing Services Storage Tank, T-404~~

~~S-336, Manufacturing Services Thermal Oxidizer:~~

~~1. S-506 (T-404) shall be operated as a pressure vessel with the pressure maintained below 100 psig or be abated by S-336 (Manufacturing Services Thermal Oxidizer) during all tank filling operations.~~

~~(basis: Cumulative Increase, BAAQMD Regulation 8-6-304)~~

~~2. S-506 shall be operated with a nitrogen blanket at all times and shall have a minimum pressure relief setting of 1.5 psig.~~

~~(basis: Cumulative Increase)~~

~~3. There shall be no detectable organic emissions from S-506, its associated equipment, and/or its vapor recovery connections.~~

~~(basis: Cumulative Increase, BAAQMD Regulation 8-5-307)~~

Condition # 17985

~~Applications 2160, 11591, 16468~~

~~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 HCL Rail Car Loading Operations (S-4) shall be abated by either the S-336 Thermal Oxidizer, or by the A-199 Caustic Scrubber, during all times that~~

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~~hydrochloric acid is being loaded.~~ 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)

~~1.2. Emissions from the S-434 Manufacturing Services Facility shall be 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)).~~ 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)

~~2.3. The Hydrochloric Acid Storage Tank T-122 (S-576) shall be abated by the properly operating Acid Absorbers (A-87 and A-85) and the Caustic Scrubber (A-199), in series, at all times that S-576 is operating.~~ 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)

~~3.4. There~~ owner/operator shall allow ~~be~~ 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)

~~4.5. The owner/operator shall ensure that S-576 is~~ shall be 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)

~~5.6. The owner/operator shall ensure that the pH at the A-199 Caustic (NaOH) Scrubber is greater than or equal to 8.5 and The caustic concentration in the A-199 Caustic Scrubber shall not drop below~~ 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)

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~~6.7.~~ The owner/operator shall test t~~he caustic solution in the A-199 Caustic Scrubber shall be tested~~ 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)

~~7.8.~~ The owner/operator~~Permit Holder~~ 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)

~~Future condition:~~

~~8.9.~~ 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 # 18128

~~Applications 30453, 681, 6955, 19565, 2047, 7475, 16468, 8894, 8895~~

~~Conditions for the Vikane Plant including:~~

~~S-454, Vikane Plant;~~

~~S-449, Hydrochloric Acid Storage Tank, T-30;~~

~~S-268, Fumigants Closed Pressurized Storage Tank T-4 (exempt);~~

~~S-269, Fumigants Closed Pressurized Storage Tank T-5 (exempt);~~

~~A-90, H-30 Acid Absorber;~~

~~A-91, B-30 Absorber;~~

~~A-46, B-7 Caustic Scrubber; and~~

~~A-197, B-4 Caustic Scrubber~~

~~1. Abated particulate emissions, including emissions of hydrochloric acid, hydrofluoric acid, and sulfuryl fluoride, from S-454 (P-127 and P-128 combined) shall not exceed 718.8 pounds and sulfur dioxide emissions from S-454 shall not exceed 10.4 pounds in any consecutive 12-month period.
(Basis: Cumulative Increase)~~

~~2. Abated particulate emissions, including emissions of hydrochloric acid, hydrofluoric acid, and sulfuryl fluoride, from S-454 (P-127 and P-128 combined) shall not exceed~~

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- ~~2.5 pounds and sulfur dioxide emissions from S-454 shall not exceed 0.04 pounds in any day.
(Basis: BAAQMD Regulation 2-1-301)~~
- ~~3. Abated hydrochloric acid emissions from S-449 (P-188) shall not exceed 68 pounds in any consecutive 12-month period.
(Basis: Cumulative Increase)~~
- ~~4. Abated hydrochloric acid emissions from S-449 (P-188) shall not exceed 0.3 pounds in any day.
(Basis: BAAQMD Regulation 2-1-301)~~
- ~~5. Emissions from the S-454 Vikane Plant shall be vented to the A-90 Acid Absorber and A-91 Acid Absorber (in series) during all hours of operation, except as described below in Part 6.
(Basis: Cumulative Increase, Toxic Risk Management Policy, and BAAQMD Regulation 6-310/BAAQMD Regulation 2-1-403)~~
- ~~6. Emissions from S-454 shall be vented to either~~
 - ~~the A-46 Caustic Scrubber, or~~
 - ~~the A-197 Caustic Scrubber, or~~
 - ~~the S-434 Manufacturing Services Facility and A-199 Manufacturing Services Scrubber B-12 in series, or~~
 - ~~the A-87 HCl Absorber H-109 and A-85 Absorber B-102 and A-199 in series, during any time that emissions are not vented to A-90 and A-91. Emissions from S-454 may be vented to any of the abatement trains above during start-up or shut-down of the reactors, during maintenance, or during upset conditions.
(Basis: Cumulative Increase, Toxic Risk Management Policy, and BAAQMD Regulation 6-310/BAAQMD Regulation 2-1-403)~~
- ~~7. Emissions from the S-449 Hydrochloric Acid Storage Tank shall be vented to the A-91 Acid Absorber, whenever S-449 is storing hydrochloric acid.
(Basis: Cumulative Increase, Toxic Risk Management Policy, and BAAQMD Regulation 6-310/BAAQMD Regulation 2-1-403)~~
- ~~8. The A-90 and A-91 Acid Adsorbers shall achieve a combined removal efficiency of 99.99 percent by weight of the hydrogen chloride (HCl) emissions vented to A-90, or A-91 shall emit no more than 0.068 pounds/hour (477 grains/hour) of HCl (including all HCl from any hydrochloric acid mist emissions).
(Basis: Cumulative Increase, Toxic Risk Management Policy, and BAAQMD Regulation 6-310/BAAQMD Regulation 2-1-403)~~

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- ~~9. The Permit Holder shall demonstrate compliance with Part 8 by maintaining the bottom temperature of B-30 (A-91) to no greater than 80 degrees C. In no event shall the average temperature exceed 80 degrees C during any consecutive 24-hour period. The Permit Holder shall measure the temperature at the bottom of B-30 and calculate a rolling 24-hour average temperature each hour to demonstrate compliance with this requirement. (Basis: Cumulative Increase, Toxic Risk Management Policy, and BAAQMD Regulation 6-310/BAAQMD Regulation 2-1-403)~~
- ~~10. The A-46 and A-197 Caustic Scrubbers shall each achieve either the minimum removal efficiencies (percent by weight) or maximum emission rates identified in subparts a.-d. below:~~
- ~~a. For hydrogen chloride and hydrochloric acid mist, A-46 and A-197 shall each achieve either 99 percent control by weight or shall each emit no more than 0.0023 pounds/hour of HCl.~~
 - ~~b. For hydrogen fluoride and hydrofluoric acid mist, A-46 and A-197 shall each achieve either 97 percent control by weight or shall each emit no more than 0.59 pounds/hour of HF.~~
 - ~~c. For all other acid gases and acid mists, A-46 and A-197 shall each achieve either 99 percent control by weight or shall each emit no more than 0.025 pounds/hour of acid gas.~~
 - ~~d. For sulfur dioxide, A-46 and A-197 shall each achieve either 99 percent control by weight or shall each emit no more than 0.61 pounds/hour of SO₂.
(Basis: Cumulative Increase, Toxic Risk Management Policy, BAAQMD Regulation 6-310, and BAAQMD Regulation 9-1-302)~~
- ~~11. The Permit Holder shall demonstrate compliance with Part 10 above by using a caustic scrubbing solution in A-46 and A-197 with a minimum hydroxide (OH⁻) concentration of 2 percent by weight from either sodium hydroxide (NaOH) or potassium hydroxide (KOH). To demonstrate compliance with this requirement, the Permit Holder shall collect a sample of scrubbing solution used at A-46 and A-197 once per day and shall analyze the sample for pH and weight percent of NaOH or KOH. In addition, the owner/operator shall perform a District-approved source test at least once every five years to demonstrate compliance with the emission limits in Part 10 for the Vikane Plant, S-454. 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 and calculations shall be submitted to the Manager of the District's Source Test Section for review and disposition.
(Basis: Cumulative Increase, Toxic Risk Management Policy, BAAQMD Regulation 2-6-503, BAAQMD Regulation 6-310, and BAAQMD Regulation 9-1-302)~~
- ~~12. In order to demonstrate compliance with Parts 1-11 above, the Permit Holder shall maintain the following records:~~

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- a. ~~Daily records of operating time for the Vikane Plant (S-454).~~
 - b. ~~Hourly records of the temperature at the bottom of B-30 (A-91) and the rolling 24 hour averages.~~
 - c. ~~Daily records of the pH and hydroxide concentration in the scrubbing solution for the A-46/A-197 Caustic Scrubbers.~~
 - d. ~~Daily records of the amount of Vikane produced at S-454, totaled each month.~~
 - e. ~~Monthly records of the throughput rate for hydrochloric acid (expressed as 36% HCl) at S-449.~~
 - f. ~~Monthly and daily calculations of particulate emissions (HCl, HF, and sulfuryl fluoride) and SO₂ emissions from S-454 for the previous 12-month period.~~
 - g. ~~Monthly and daily calculations of hydrochloric acid emissions from S-449 for the previous 12-month period.~~
 - h. ~~Results of the source tests performed in accordance with Part 11.~~
- ~~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: Cumulative Increase, TRMP, BAAQMD Regulation 2-6-501, BAAQMD Regulation 6-310, and BAAQMD Regulation 9-1-302)~~

Condition # 18317

~~Conditions for S-706: Diesel Engine for FPI Standby Generator~~

- *1. ~~The S-706 Diesel Engine shall be fired exclusively on diesel fuel having a sulfur content no greater than 0.05% by weight. The sulfur content of the fuel oil shall be certified by the fuel oil vendor.
(Basis: Cumulative Increase)~~
- *2. ~~The S-706 Diesel Engine shall only be operated to mitigate emergency conditions or for reliability-related activities.~~
 - a. ~~Operation time for reliability-related activities only shall not exceed 100 hours in any calendar year.~~
 - b. ~~Total operation time for reliability-related activities and for mitigating emergency conditions shall not exceed 200 hours in any calendar year.
(Basis: BAAQMD Regulation 9-8-330, Offsets)~~
- *3. ~~"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)~~

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- ~~*4. "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)~~
- ~~*5. The emergency standby engine shall be equipped with either~~
- ~~a. a non-resettable totalizing meter that measures and records the hours of operation for the engine.~~
 - ~~b. a non-resettable fuel usage meter (245 gallons of fuel are equivalent to 10 hours of reliability-related operation).~~
- ~~(Basis: BAAQMD Regulation 9-8-530, Offsets)~~
- ~~*6. The following monthly records shall be maintained in a District approved log for at least 5 years and shall be made available for District inspection upon request~~
- ~~a. Total hours of operation.~~
 - ~~b. Hours of operation under emergency conditions and a description of the nature of each emergency condition.~~
 - ~~c. Fuel usage.~~
- ~~(Basis: BAAQMD Regulation 1-441, BAAQMD Regulation 2-6-501, and BAAQMD Regulation 9-8-530)~~
- ~~*7. The S-706 Diesel Engine is equipped with the A-200 Soot Filter. However, operation of the A-200 Soot Filter is not required. The S-706 Diesel Engine may be operated either with or without A-200 at the discretion of the Permit Holder.~~
- ~~(Basis: BAAQMD Regulation 2-1-302)~~

Condition # 19356 -----

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 O2, dry), averaged over any rolling 3 hour period, when firing natural

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gas with SCR. When the heat input to the boiler drops below 76 MMBtu/hr (25% of rated heat input), the NOx concentration may exceed 9 ppmv (reference 3 percent O2, dry) provided that NOx 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 O2, 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 O2, 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).

13. Cumulative emissions from the S-1011 Boiler shall not exceed the following limits during any consecutive twelve-month period:

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a. 6.0 tons of NO_x (as NO₂) per year

[Basis: Offsets]

b. 20.3 tons of CO per year

[Basis: Cumulative Increase]

c. 0.7 tons of POC (as CH₄) per year

[Basis: Offsets]

d. 2.7 tons of PM₁₀ per year

[Basis: Offsets]

e. 0.4 tons of SO₂ 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_x, CO and O₂ or CO₂. 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 NH₃ 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_x, CO, POC and SO₂.

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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 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-707, Diesel Engine Backup Generator, P1A:~~

~~For S-708, Diesel Engine Backup Generator, P1B:~~

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

~~For S-710, Diesel Engine Backup Generator, 480A:~~

~~For S-711, Diesel Engine Backup Generator, 223:~~

*1. Hours of Operation: The emergency standby engines (~~S-707, S-708, S-709, S-710, and S-711~~) 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 ~~50400~~ 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

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- b. Operation of an emergency standby engine during maintenance of a primary motor.

(Basis: BAAQMD Regulation 9-8-232)

- *4. The emergency standby engines (~~S-707, S-708, S-709, S-710, and S-711~~) 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)

- *5. Records: The Permit Holder shall maintain the following records in an APCO-approved log:

- a. Monthly records of the total hours of operation for ~~the each~~ engine (~~S-707, S-708, S-709, S-710, and S-711~~).
- b. Monthly records of any hours of operation for emergency conditions.
- c. For each emergency, describe the nature of the emergency condition.
- ~~d. Records of the vendor certified sulfur content for all fuels burned in S-707, S-708, S-710, and S-711.~~

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)

~~FUTURE Condition #20301~~

~~Application 6290~~

~~For: S-308, Cylinder Painting Operation and~~

~~A-203, Carbon Adsorber~~

- ~~1. The total amount of all coatings used at the S-308, Cylinder Painting Operation, shall not exceed 14,400 gallons during any consecutive 12-month period.
(Basis: Cumulative Increase)~~
- ~~2. The VOC content of any coating used at S-308 shall not exceed 0.8 pounds of VOC per gallon of coating (including water).
(Basis: Cumulative Increase)~~
- ~~3. Emissions from the S-308, Cylinder Painting Operation, shall be vented to the A-203, Carbon Adsorber, during all hours of operation.
(Basis: Cumulative Increase)~~

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- ~~4. The A-203, Carbon Adsorber, shall contain a minimum of 8,000 pounds of activated carbon.
(Basis: Cumulative Increase)~~
- ~~5. The carbon in A-203 shall be replaced with fresh carbon before the total coating usage since the last carbon replacement exceeds 1,450 gallons, except as provided in Part 6.
(Basis: Cumulative Increase)~~
- ~~6. The coating usage limit in Part 5 above shall not apply, provided that the concentration of non-methane organic compounds in the exhaust from the A-203, Carbon Adsorber, does not exceed 7 ppmv of NMOC, expressed as propane. The Permit Holder shall demonstrate compliance with this requirement by monitoring the exhaust from A-203 on a daily basis (beginning on the day that coating usage since the last carbon replacement reaches 1,450 gallons) using a portable organic vapor analyzer or other APCO approved method.
(Basis: Cumulative Increase)~~
- ~~7. The Permit Holder shall demonstrate compliance with Parts 1-6 by maintaining the following records in an APCO approved log:
 - ~~a. Record the VOC Content for each coating used at S-308;~~
 - ~~b. Record the amount of each coating used at S-308, on a daily basis;~~
 - ~~c. Record the total amount of all coatings used at S-308, for each calendar month;~~
 - ~~d. Record the total amount of all coatings used at S-308, since the date that the carbon was last replaced;~~
 - ~~e. Record the total amount of all coatings used at S-308, for the preceding 12-month period;~~
 - ~~f. Record the dates of all carbon replacements and the amount of fresh carbon added to A-203 for each carbon replacement;~~
 - ~~g. Record the outlet NMOC concentration at A-203, on a daily basis, for any days where the coating usage since the last carbon replacement is greater than or equal to 1,450 gallons.~~All records shall be maintained on-site or made available to District staff upon request for a minimum of five years from the entry date. These recordkeeping requirements do not replace the recordkeeping requirements in any applicable rule or regulation.
(Basis: Cumulative Increase, BAAQMD Regulation 2-6-501)~~

~~FUTURE Condition #20302~~

~~Application 6290~~

~~For: S-311, Cylinder Filling Operation,
S-312, Cylinder Depressurization Operation, and
A-201, Venturi Scrubber
A-204, Sulfuryl Fluoride Recovery System~~

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- ~~*1. The cylinder fill hose at the S-311, Cylinder Filling Operation, shall be vented to either the A-204, Sulfuryl Fluoride Recovery System, or to the A-201, Venturi Scrubber, until the pressure in the fill hose is 23 psia or less.
(Basis: Regulation 2, Rule 5Toxics Risk Management Policy)~~
- ~~*2. The cylinder depressurization line at the S-312, Cylinder Depressurization Operation, shall be vented to either the A-204, Sulfuryl Fluoride Recovery System, or to the A-201, Venturi Scrubber, until the pressure in the depressurization line is 23 psia or less.
(Basis: Regulation 2, Rule 5Toxics Risk Management Policy)~~
- ~~*3. The Permit Holder shall establish written operating procedures or shall use automated control valves on the cylinder fill hose and cylinder depressurization line that will ensure that these operations cannot be vented to the atmosphere until the pressure in the lines is 23 psia or less.
(Basis: Regulation 2, Rule 5Toxics Risk Management Policy)~~
- ~~*4. During any time that sulfuryl fluoride emissions are vented to the A-204, Sulfuryl Fluoride Recovery System, the coolant pressure at H-180 shall be maintained at 101 psia or less.
(Basis: Regulation 2, Rule 5Toxics Risk Management Policy)~~
- ~~*5. To ensure compliance with Part 4, the Permit Holder shall use automated control valves that will divert emissions from A-204 to A-201 upon detection of a coolant pressure at H-180 in excess of 101 psia.
(Basis: Regulation 2, Rule 5Toxics Risk Management Policy)~~

~~FUTURE Condition #20303~~

~~Application 6290, 8894, 8895~~

~~For: S-712, Sulfuryl Fluoride Plant~~

~~A-201, Venturi Scrubber~~

~~A-202, Caustic Scrubber~~

- ~~1. Abated emissions from S-712 (P-277) shall not exceed 440.8 pounds of sulfuryl fluoride, 15.5 pounds of hydrofluoric acid and hydrochloric acid, and 3.6 pounds of sulfur dioxide in any consecutive 12-month period.
(Basis: Cumulative Increase and Toxics Risk Management Policy)~~
- ~~2. Hydrogen chloride emissions from B-40 shall be abated by the acid absorbers at the S-434 Manufacturing Services Facility.
(Basis: Cumulative Increase and Toxics Risk Management Policy)~~

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- ~~3. All other emissions from S-712, including emissions due to purge streams, pressure relief valves, loading events, start-ups, shut-downs, or malfunctions, shall be abated by the A-201, Venturi Scrubber, followed by the A-202, Caustic Scrubber.
(Basis: Cumulative Increase and Toxics Risk Management Policy)~~
- ~~4. The A-201, Venturi Scrubber, and the A-202, Caustic Scrubber, shall achieve a minimum overall control efficiency (combined control efficiency for A-201 and A-202) of 98.5% for sulfur fluoride and 99.98% for all other pollutants. The Permit Holder shall demonstrate compliance with these control efficiency requirements by maintaining the following:
 - ~~a. The flow rate of the scrubber water to A-201 shall be maintained at a minimum of 145 gallons/minute.~~
 - ~~b. The flow rate of the scrubber solution to A-202 shall be maintained at a minimum of 50 gallons/minute.~~
 - ~~c. The pH of the scrubber solution at A-202 shall be maintained at a minimum of 8.
(Basis: Cumulative Increase and Toxics Risk Management Policy)~~~~
- ~~5. In order to demonstrate compliance with Parts 4.a. and 4.b., the Permit Holder shall continuously monitor the scrubber water flow rate at A-201 and the scrubber solution flow rate at A-202, during all times that S-712 is operating. The Permit Holder shall use automated control valves to ensure that the required minimum flow rates are achieved.
(Basis: Cumulative Increase, Toxics Risk Management Policy)~~
- ~~6. In order to demonstrate compliance with Part 4.c., the Permit Holder shall sample the scrubber solution at A-202 on a daily basis. The Permit Holder shall analyze the sample for pH, in accordance with the manufacturer's recommended procedures for the analyzer, and shall record the pH in an APCO approved log. All records shall be maintained on site or made available to District staff upon request for a minimum of five years from the entry date.
(Basis: Cumulative Increase, Toxics Risk Management Policy, BAAQMD Regulation 2-6-501)~~
- ~~7. In order to demonstrate compliance with Part 1., the Permit Holder shall maintain monthly records of the sulfur fluoride production rate from S-712 in an APCO approved log and shall calculate emissions of sulfur fluoride, hydrochloric acid, hydrofluoric acid, and sulfur dioxide each month for the previous 12-month period. In addition, the owner/operator shall perform a District approved source test at least once every five years to demonstrate compliance with the emission limits in Part 1 for the Sulfur Fluoride Plant, S-712. 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 operation of observing the testing. Within 45 days of test completion, a comprehensive report of the test results and calculations shall be~~

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~~submitted to the Manager of the District's Source Test Section for review and disposition. All records shall be maintained on site or made available to District staff upon request for a minimum of five years from the entry date.
(Basis: Cumulative Increase and Toxics Risk Management Policy, BAAQMD Regulation 2-6-501, BAAQMD Regulation 2-6-503)~~

Permit Condition #20666

Dow Chemical Company, Plant #31

Application #10213

1. 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.
(Basis: BAAQMD Regulation 8-7-301.2)

- ~~1.2.~~ 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 overflow prevention devices ("flapper valves"), a Drop Tube Overflow 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 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), FAX (510) 758-3087) or mail (BAAQMD Source Test Section, Attention Hiroshi Doi, 939 Ellis Street, San Francisco CA 94109). ~~Results shall be submitted to BAAQMD within 15 days of the test date in a District approved format.~~
(Basis: BAAQMD Regulation 8-7-301.2)

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

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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-209, T-1 Latex Plant~~

~~S-222, Latex Plant Hydroxyethyl Acrylate Storage, T-112~~

~~S-345, T-1 Vikane Plant Storage Tank~~

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, S-63, ~~S-209, S-222, S-345~~, 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)

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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 #21060

Application 16468

~~Facility wide Condition applying to process vessels subject to Regulation 8, Rule 10~~

- ~~1. Effective 60 days after the issuance of the Major Facility Review Permit: Until Regulation 8, Rule 10 is revised to include compliance monitoring measures for chemical plants, the operator shall maintain records of the following for each process unit turnaround:
 - ~~a. The date of unit shutdown and/or depressurizing;~~
 - ~~b. The approximate process vessel hydrocarbon concentration when the organic emissions were first discharged to the atmosphere; and~~
 - ~~c. The approximate quantity of total precursor organic compounds emitted into the atmosphere.~~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 8-10-301)~~

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)

COND# 22850 -----

1. The owner/operator shall not exceed 50 hours per year per engine for reliability-related

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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]

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

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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]

Condition #23250 -----

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Application 15133

For S-465, Product Dryer

A-95, F-413 Bag Filter

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

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.

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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)

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 -----

Plant 31
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, and 25438. 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:

599 valves;

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2286 connections (flanges, connectors);

23 pumps;

24 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 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

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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]

Condition #24779 -----

Plant 31

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:

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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

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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 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]

COND# 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]

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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 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).

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[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.

Compliance Assurance Monitoring (CAM) Permit Condition #TBD

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:

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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 use the periodic Compliance Performance Test performed to comply with 40 CFR Subpart EEE conducted on S-336 to demonstrate compliance with the requirement 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 ± 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))

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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 use the periodic Compliance Performance Test performed to comply with 40 CFR 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 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 ± 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:

VI. Permit Conditions

- 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 ± 9 C. (Basis: 40 CFR Part 60 Subpart EEE, 40 CFR Part 64.3)
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.

**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		Liquid balancing – resulting liquid has TVP < 0.5 psia or Emission Control System with abatement with efficiency of ≥ 90% by weight until VOC concentration in tank ≤ 10,000 ppm as methane (Does not apply to tanks meeting limited exemption per 8-5-117, vapor pressure ≤ 0.5 psia)	None BAAQMD 8-5-502	N P-E	N/A portable monitor
VOC	BAAQMD 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 ≥ 90% by weight until VOC concentration in tank ≤ 10,000 ppm as methane	None BAAQMD 8-5-502	N P-A	N/A Source Test

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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 ≥ 90% by weight	None BAAQMD 8-5-502	N P-E	N/A portable monitor
VOC	BAAQMD 8-5-332	N		Tank sludge container standards; includes gap criteria	BAAQMD 8-5-332	N	None
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
VPOC	SIPBAAQ MD 8-10-301	Y		Vessel depressurization recovered/combusted or contained/treated until organic partial pressure < 4.6 psig	Condition 21060 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
<u>Opacity</u>	<u>BAAQMD 6-1-301</u>	<u>N</u>		<u>Ringelmann No. 1 for < 3 min/hr</u>	<u>For A-199, Condition 17985, Parts 6 & 7</u> <u>For S-336, Condition 6859, Part 6,</u>	<u>For A-199: P-D</u> <u>For S-336: C</u>	<u>Caustic concentration</u> <u>Temperature monitor</u>
Opacity	<u>BAAQMD SIP 6-301</u>	Y		Ringelmann No. 1 for < 3 min/hr	For A-199, Condition 17985, Parts 6 & 7 For S-336, Condition 6859, Part 6,	For A-199: P-D For S-336: C	Caustic concentration Temperature monitor
<u>FP</u>	<u>BAAQMD 6-1-310</u>	<u>N</u>		<u>0.15 grain/dscf</u>	<u>For A-199, Condition 17985, Parts 6 & 7</u> <u>For S-336, Condition 6859, Part 6,</u>	<u>For A-199: P-D</u> <u>For S-336: C</u>	<u>Caustic concentration</u> <u>Temperature monitor</u>
FP	<u>BAAQMD SIP 6-310</u>	Y		0.15 grain/dscf	For A-199, Condition 17985, Parts 6 & 7 For S-336, Condition 6859, Part 6,	For A-199: P-D For S-336: C	Caustic concentration 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 For S-336, Condition 6859, Part 6,	For A-199: P-D For S-336: C	Caustic concentration Temperature monitor
FP	BAAQMD SIP 6-311	Y		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 For S-336, Condition 6859, Part 6,	For A-199: P-D For S-336: C	Caustic concentration 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
Styrene-1,3-Dichloropropene Loading abated by A-14450, 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; 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

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
~~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-F
Applicable Limits and Compliance Monitoring Requirements
S-25, Material Flow Latex Tank, T-734
Abated by A-151, Vapor Balance System for Styrene Unloading

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	Y		Control device standards; includes 95% efficiency requirement	None	N	N/A
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balancing in which the resulting organic liquid has a TVP less than 0.5 psia	BAAQMD 8-5-501	P/E	Records

Table VII-G
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	SIPBAAQM D 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	SIPBAAQM D 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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII-G
 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	SIP BAAQMD D- 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after cleaning	BAAQMD 8-5-503	P/E	Portable hydrocarbon detector
<u>VOC</u>	<u>BAAQMD 8-5-331</u>	<u>N</u>		<u>Tank Cleaning Agents meet 331.1, 331.2, and 331.3 or Emission Control System with abatement with efficiency of ≥ 90% by weight</u>	<u>None</u> <u>BAAQMD 8-5-502</u>	<u>N</u> <u>P-E</u>	<u>N/A</u> <u>portable monitor</u>
<u>VOC</u>	<u>NSPS Subpart Kb 60.112b (a)(3)(i)</u>	<u>Y</u>		<u>When operated with emission control system—Closed vent system leak tightness standards, VOC concentrations shall not exceed 500 ppmv above background.</u>	<u>BAAQMD 8-18-401</u>	<u>P/Q</u>	<u>Inspection using Method 21</u>
<u>VOC</u>	<u>NSPS Subpart Kb 60.112b (a)(3)(ii)</u>	<u>Y</u>		<u>When not operated as a pressure tank—Control device standards; includes 95% efficiency requirement</u>	<u>BAAQMD Conditions 2039, part 13, and 6859, part 6</u>	<u>C</u>	<u>Temperature monitoring</u>
<u>VOC</u>	<u>Condition 11276, part 2</u>	<u>Y</u>		<u>Vapor tight with no detectible organic emissions</u>	<u>Condition 11276, part 5, part 6</u>	<u>P/E</u>	<u>portable monitor</u>

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–H
 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-222, Latex Plant Hydroxyethyl Acrylate Storage, T-3**~~

~~**S-345, T-1 Vikane Plant Storage Tank**~~

S-346, T-241

**S-372, T-20 Block 560 Storage Tank, Abated by A-400 (S-400), ~~Experimental~~
 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-I
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	BAAQMD 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 ≥ 90% by weight until VOC concentration in tank ≤ 10,000 ppm as methane	BAAQMD 8-5-502	P-E	portable monitor
VOC	BAAQMD 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	BAAQMD 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 ≥ 90% by weight	None BAAQMD 8-5-502	N P-E	N/A portable monitor
VOC	BAAQMD Condition# 11276, part 2	Y		Vapor tight with no detectible organic emissions No detectible organic emissions	Condition 11276, part 5, part 6 BAAQMD 8-18-401	P/EP/Q	portable monitor Inspection using Method 21

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-J
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 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 ^{0.67} lb/hr particulate, where P is process weight rate in ton/hr	None	N	N/A
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

Table VII-K
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 6-1-301	N		Ringelmann No. 1 for < 3 min/hr	For S-389: Condition 2039, Part 13 For A-88/ A- 89: None	S-389: C A-88/89: N	Temperature monitor N/A

VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII-K
 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	SIPBAAQ MD 6-301	Y		Ringelmann No. 1 for < 3 min/hr	For S-389: Condition 2039, Part 13 For A-88/ A-89: None For S-434 or A-87/A-85/A-199: Condition 17985, Parts 7	S-389: C A-88/89: N A-199: P-D	Temperature monitor N/A Caustic concentration
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	Same as Above	Same as Above	Same as Above
FP	SIPBAAQ MD 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 ^{0.67} lb/hr particulate, where P is process weight rate in ton/hr	Same as Above	Same as Above	Same as Above
FP	SIPBAAQ MD 6-311	Y		4.10 P ^{0.67} 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 For A-88/ A-89: None	S-389: -C A-88/89: N	Temperature monitor N/A

VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII-K
 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	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	BAAQMD SIP 8-10-301	Y		Vessel depressurization recovered/combusted or contained/treated until organic partial pressure < 4.6 psig	Condition 21060, Part +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-TBD
Applicable Limits and Compliance Monitoring Requirements
[Pressure Tank < 75m³]
S-48, T19A N-Serve
S-49, T19B N-Serve
Abated by A-154, Vent Recovery System H-320A & T-320

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
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	Condition 5148, Part 1	Y		Minimum of 85% control efficiency for VOC or emissions less than 15 lb/day	Condition 5148, Part 3	C	Pressure drop and temperature at A-154

Table VII-L
Applicable Limits and Compliance Monitoring Requirements
[Pressure Tank < 75m³ with submerged fill]
S-55, T-30 N-Serve
S-408, T-723 Terminalized Products

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
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	SIPBAAQMD 8-5-307	Y		< 100 ppm for non-pressure relief devices (expressed as methane) above background	Not SpecifiedBAAQMD 8-18-401	NoneP/Q	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
~~S-140, HCl Storage Tank T-606F~~
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 6-1-301	N		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
<u>Opacity</u>	<u>SIP</u> <u>6-301</u>	<u>Y</u>		<u>Ringelmann No. 1</u> <u>for < 3 min/hr</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	None	N	N/A
<u>FP</u>	<u>SIP</u> <u>6-310</u>	<u>Y</u>		<u>0.15 grain/dscf</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
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
<u>FP</u>	<u>SIP</u> <u>6-311</u>	<u>Y</u>		<u>4.10 P^{0.67} lb/hr</u> <u>particulate, where P is</u> <u>process weight rate in</u> <u>ton/hr</u>	<u>None</u>	<u>N</u>	<u>N/A</u>

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-TBD
Applicable Limits and Compliance Monitoring Requirements
S-172, Maintenance Exhaust Area M-5

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
VOC	BAAQMD 8-19-302	Y		VOC content ≤ 2.8 pounds/gallon, excluding water	BAAQMD 8-19-501.1, 8-19-501.2	P-W	Records
VOC	BAAQMD 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 8-19-501.1	P-M	Records

Table VII-N
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 (≤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	BAAQMD Regulation 8-7-302.5	Y		Phase II system shall be maintained leak free, vapor tight	None	N	N/A

VII. Applicable Emission Limits & Compliance Monitoring Requirements

VOC	BAAQMD Regulation 8-7-302.8	Y		Liquid removal devices required by CARB: liquid removal rate \geq 5 mL/gallon dispensed for dispensing rates $>$ 5 gallons/minute or as otherwise specified	None	N	N/A
VOC	BAAQMD Regulation 8-7-302.12	Y		Spitting from nozzles \leq 100 mL/1000 gallons dispensed or the quantity specified by CARB Procedure CP-201, whichever is less	None	N	N/A
VOC	BAAQMD Regulation 8-7-302.13	Y		Spitting from nozzles \leq 1.0 mL/nozzle/test or the quantity specified by CARB Procedure CP-201, whichever is less	None	N	N/A
VOC	BAAQMD Regulation 8-7-302.14	Y	6/1/2003	Balance Phase II Vapor Recovery: dynamic backpressure meets CARB Executive Order, or if not specified \leq 0.15, 0.45, 0.95 inches water when measured at N ₂ flows of 20, 60, 100 cfm	BAAQMD 8-7-302.14	P-A	Backpressure test
VOC	Condition 14098, Part 4	N		940,000 gallons/12 months	BAAQMD 8-7-503.1	P-M	Records
VOC	Condition #20666, Part 1, <u>Part 2</u>	Y		Drop tube/drain valve leak rate not to exceed 0.17 CFH @ 2" H ₂ O; minimum 360° rotation with maximum 108 pound-inch torque <u>Rotable Adaptor Torque Test (CARB TP201.1B)</u>	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-O
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 6- <u>1</u> -301	<u>N</u> Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
<u>Opacity</u>	<u>SIP 6-301</u>	<u>Y</u>		<u>Ringelmann No. 1 for < 3 min/hr</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
FP	BAAQMD 6- <u>1</u> -310	<u>N</u> Y		0.15 grain/dscf	None	N	N/A
<u>FP</u>	<u>SIP 6-310</u>	<u>Y</u>		<u>0.15 grain/dscf</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
FP	BAAQMD 6- <u>1</u> -311	<u>N</u> Y		4.10 P ^{0.67} lb/hr particulate, where P is process weight rate in ton/hr	None	N	N/A
<u>FP</u>	<u>SIP 6-311</u>	<u>Y</u>		<u>4.10 P^{0.67} lb/hr particulate, where P is process weight rate in ton/hr</u>	<u>None</u>	<u>N</u>	<u>N/A</u>

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-P
Applicable Limits and Compliance Monitoring Requirements
~~S-198, Latex Plant Process Recycle Tank, T-366~~
~~S-199, Latex Plant Process Tank, T-367~~
~~S-226, Latex Plant Process Tank, T-364~~
~~S-421, Latex Plant Process Recycle Tank, T-368~~
~~S-491, T-363~~

~~Each Abated by A-42, B-368 Latex Plant Styrene Scrubber, followed 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 8-36-301.1	Y		95% control or compliance with 8-36-301.2	BAAQMD Condition 2039, Part 13 and Condition 6859-Part 6	C	Temperature Monitoring
VOC	BAAQMD 8-36-301.2	Y		<10-lb/day POC from all resin reactors, thinning tanks and blending tanks at the facility or compliance with 8-36-301.1	BAAQMD Condition # 16610-Part 6	P/D	Styrene Concentration
VOC	BAAQMD Condition # 16610-Part 4	Y		Total organic emissions from A-42 ≤ 346 lb/day	BAAQMD Condition # 16610-Part 8	P/E	Records

Table VII-Q
Applicable Limits and Compliance Monitoring Requirements
[Pressure Tank < 75m³]
~~S-207, T-5 Latex Plant~~
~~S-208, T-6 Latex Plant~~

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	Y		<100 ppm (expressed as methane) above background	BAAQMD 8-18-401	P/Q	Method 21 Inspection
VOC	BAAQMD 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	BAAQMD 8-5-328.1.2	Y		Concentration of <10,000 ppm as methane after cleaning	BAAQMD 8-5-503	P/E	Portable hydrocarbon detector

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-R
Applicable Limits and Compliance Monitoring Requirements
[Pressure Tank storing liquids with vp < 0.5 psia]
S-209, T-1 Latex Plant
S-625, T-610 Perc Expansion Tank, Abated by A-121, IPT Thermal Abatement Device
or S-400, Experimental 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	BAAQMD 8-5-307	Y		<100 ppm (expressed as methane) above background	BAAQMD 8-18-401	P/Q	Method 21 Inspection
VOC	BAAQMD Condition # 21059, Part 1	Y		Vapor pressure ≤ 0.5 psia	BAAQMD Condition # 21059, Part 2	P/E	Records

Table VII-S
Applicable Limits and Compliance Monitoring Requirements
S-229, Latex Plant Tank Car Unloading (Butadiene) RM-1
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
VOC	BAAQMD 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# 21061, Parts 1 & 2	P-E	Method 21 Inspection
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 pounds/1000 gallons loaded	Condition# 21061, Parts 1 & 2	P-E	Method 21 Inspection

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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# 21061, Parts 1 & 2	P-E	Method 21 Inspection
VOC	BAAQMD 8-6-306	Y		Vapor tight, leak free, good working order	Condition# 21061, Parts 1 & 2	P-E	Method 21 Inspection

**Table VII-T
 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
<u>Opacity</u>	<u>BAAQMD</u> <u>6-1-301</u>	<u>N</u>		<u>Ringelmann No. 1</u> <u>for < 3 min/hr</u>	<u>Condition</u> <u>#20826, Parts</u> <u>1, 2</u>	<u>P-E</u>	<u>Visual</u> <u>Check</u>
Opacity	BAAQMD <u>SIP</u> 6-301	Y		Ringelmann No. 1 for < 3 min/hr	Condition #20826, Parts 1, 2	P-E	Visual Check
<u>FP</u>	<u>BAAQMD</u> <u>6-1-310</u>	<u>N</u>		<u>0.15 grain/dscf</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
FP	BAAQMD <u>SIP</u> 6-310	Y		0.15 grain/dscf	None	N	N/A
<u>FP</u>	<u>BAAQMD</u> <u>6-1-311</u>	<u>N</u>		<u>4.10 P^{0.67} lb/hr particulate,</u> <u>where P is process weight</u> <u>rate in ton/hr</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
FP	<u>SIPBAAQ</u> <u>MD</u> 6-311	Y		4.10 P ^{0.67} lb/hr particulate, where P is process weight rate in ton/hr	None	N	N/A
<u>Visible Emissions</u>	<u>Condition</u> <u>#20826</u> <u>Part 1</u>	<u>Y</u>		<u>If visible emissions are</u> <u>detected, then corrective</u> <u>action shall be taken.</u>	<u>Condition</u> <u>#20826</u> <u>Parts 1, 2</u>	<u>P-E</u>	<u>Visual</u> <u>Check</u>

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-TBD
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

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
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-308, Fumigants Cylinder Paint Booth C-11
(FUTURE Abatement System: Abated by A-203, Carbon Adsorber)

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
VOC	BAAQMD 8-19-302	Y		VOC content \leq 2.8 pounds/gallon, excluding water	BAAQMD 8-19-501.1, 8-19-501.2	P-W	Records
VOC	BAAQMD 8-19-320.2	N		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 8-19-501.1	P-M	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

VOC	SIP 8-19-320	Y		Closed containers for VOC containing materials; VOC for spray equipment cleanup only if collection equipment is used.	SIP 8-19-501.1	P-M	Records
VOC	Condition 20301, Part 1	Y	Upon startup	Coating 14,400 gallons/12 months	Condition 20301, Part 7	P-D	Records
VOC	Condition 20301, Part 2	Y	Upon startup	Coating content 0.8 lbs/gallon	Condition 20301, Part 7	P-E	Records
VOC	Condition 20301, Part 4	Y	Upon startup	Minimum 8000 lbs carbon in A-203	Condition 20301, Part 7	P-E	Records
VOC	Condition 20301, Part 5	Y	Upon startup	Carbon replacement at 1450 gallons coating used or when NMOC exhaust concentration > 7 ppmv, as propane	Condition 20301, Parts 6, 7	P-D	Records; measurement of NMOC exhaust concentration

Table VII-V
Applicable Limits and Compliance Monitoring Requirements
~~S-311, Fumigants Gas Cylinder Handling Area C-9~~
~~S-312, Fumigants Cylinder Valve Removal Area Dow C-8~~
(FUTURE Abatement System: Abated by A-201, Venturi Scrubber or A-204, Sulfuryl Fluoride Recovery System)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Sulfuryl Fluoride	Condition 20302, Parts 1, 2	N	Upon startup of abatement	Abatement required until pressure in depressurization line 23 psia or less	Condition 20302, Part 3	P or C	Operating Procedures or Automated Control Valves
Sulfuryl Fluoride	Condition 20302, Part 4	N	Upon startup of abatement	During venting to A-204, Coolant pressure at H-180 ≤ 101 psia	Condition 20302, Part 5	C	Automated Control Valves

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-W
Applicable Limits and Compliance Monitoring Requirements
S-314, Fumigants Paint Booth F-2

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 8-19-302	Y		VOC content ≤ 2.8 pounds/gallon, excluding water	BAAQMD 8-19-501.1, 8-19-501.2	P-W	Records
VOC	BAAQMD 8-19-320.2	N		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 8-19-501.1	P-M	Records
VOC	SIP 8-19-320	Y		Closed containers for VOC containing materials; VOC for spray equipment cleanup only if collection equipment is used.	SIP 8-19-501.1	P-M	Records

Table VII-X
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 ₂	Condition 6859, Part 6; Condition 2039, Part 13	C	Temperature monitor

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-Y
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-72, 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 6-1-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
<u>Opacity</u>	<u>SIP 6-301</u>	<u>Y</u>		<u>Ringelmann No. 1 for < 3 min/hr</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
FP	BAAQMD 6-1-310	Y		0.15 grain/dscf	None	N	N/A
<u>FP</u>	<u>SIP 6-310</u>	<u>Y</u>		<u>0.15 grain/dscf</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
FP	BAAQMD 6-1-311	Y		4.10 P ^{0.67} lb/hr particulate, where P is process weight rate in ton/hr	None	N	N/A
<u>FP</u>	<u>SIP 6-311</u>	<u>Y</u>		<u>4.10 P^{0.67} lb/hr particulate, where P is process weight rate in ton/hr</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
NOx	Condition 6859, Part 3	Y		NOx ≤ 8.6 lbs/day as NO2	Condition 6859, Part 8	P- once every <u>five years per permit term</u>	Source Test
POC	BAAQMD 8-2-301	Y		Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry	Condition 6859, Part 6	C	Temperature monitor
VOC	Condition 6859, Part 4	Y		Organic destruction efficiency ≥ 99.99% by weight	Condition 6859, Part 6	C	Temperature monitor
VOC	Condition 6859, Part 6	Y		Temperature ≥ 1807 degrees F	Condition 6859, Part 6	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 9-1-304	Y		Sulfur content ≤ 0.5% by weight or do not emit SO2 > 300 ppm, dry	None	N	N/A

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-Y
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-72, 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 ≤ 650 lbs/hour	Condition 6859, Part 5	P-H	Records
pH	Condition 6859, Part 9	Y		pH ≥ 7.6 of A-72 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-Z
Applicable Limits and Compliance Monitoring Requirements
S-389, Sym-Tet Thermal Oxidizer
Abated by A-74, B-502 Caustic Scrubber and A-94, 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, ~~and~~ 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
<u>Opacity</u>	<u>BAAQMD 6-1-301</u>	<u>N</u>		<u>Ringelmann No. 1 for < 3 min/hr</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
Opacity	BAAQMD SIP 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
<u>FP</u>	<u>BAAQMD 6-1-310</u>	<u>N</u>		<u>0.15 grain/dscf</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
FP	BAAQMD SIP 6-310	Y		0.15 grain/dscf	None	N	N/A

VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII-Z
 Applicable Limits and Compliance Monitoring Requirements**

S-389, Sym-Tet Thermal Oxidizer

Abated by A-74, B-502 Caustic Scrubber and A-94, 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, and 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	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
FP	BAAQMD 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
NOx	Condition 2039, Part 10	Y		$NO_x \leq 6194$ lbs/year	Condition 2039, Part 9	P – semiannual	source test & calculations
CO	Condition 2039, Part 4	Y		250 ppm at 3% O2	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 $\geq 99.99\%$ by weight	Condition 2039, Part 13	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 9-1-304	Y		Sulfur content $\leq 0.5\%$ by weight or do not emit SO2 > 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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-Z

Applicable Limits and Compliance Monitoring Requirements

S-389, Sym-Tet Thermal Oxidizer

Abated by A-74, B-502 Caustic Scrubber and A-94, 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, and 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
Liquid waste	Condition 2039, Parts 7 & 8	Y		Annual average liquid feed \leq 45.1 gallons/hour Maximum daily liquid feed < 70 gallons/hour	Condition 2039, Part 13	C	Liquid mass flowmeter/ calculations
pH	Condition 2039, Part 16	Y		pH \geq 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-AA

Applicable Limits and Compliance Monitoring Requirements

A-400 (S-400), ~~Experimental~~ 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
<u>Opacity</u>	<u>BAAQMD 6-1-301</u>	<u>N</u>		<u>Ringelmann No. 1 for < 3 min/hr</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
<u>FP</u>	<u>BAAQMD 6-1-310</u>	<u>N</u>		<u>0.15 grain/dscf</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
Opacity	BAAQMD SIP 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
FP	BAAQMD SIP 6-310	Y		0.15 grain/dscf	None	N	N/A

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-AA
Applicable Limits and Compliance Monitoring Requirements
A-400 (S-400), ~~Experimental~~ 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	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
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-AB
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 6-1-301	N		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
Opacity	SIPBAAQ MD 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	SIPBAAQ MD 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
FP	SIPBAAQ MD 6-311	Y		4.10 P ^{0.67} lb/hr particulate, where P is process weight rate in ton/hr	None	N	N/A
HCl	Condition 5147, Part 2	Y		200,000 gallons/12-months	Condition 5147, Part 3	P/E	Records

Table VII-AC
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 CO ₂	Condition 5148, Part 3	C	Pressure Drop and Temperature monitor

VII. Applicable Emission Limits & Compliance Monitoring Requirements

VOC	Condition 5148, Part 1	Y		VOC abated \geq 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 \leq 140 degF	Condition 5148, Part 3	C	Temperature monitor

Table VII-AD
Applicable Limits and Compliance Monitoring Requirements
S-429, T-130A Environmental Services

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	Y		< 100 ppm (expressed as methane) above background	BAAQMD 8-18-401	P/Q	Method 21 Inspection
VOC	BAAQMD 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
	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after cleaning	BAAQMD 8-5-503	P/E	Portable hydrocarbon detector

Table VII-AE
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	SIPBAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement	BAAQMD Condition 6859, part 6	C	Temperature monitoring

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-AE
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
<u>VOC</u>	<u>BAAQMD 8-5-307</u>	<u>N</u>		<u>< 500 ppm for pressure relief devices (expressed as methane) above background</u>	<u>BAAQMD 8-5-403</u>	<u>P/SA</u>	<u>Method 21 Inspection</u>
<u>VOC</u>	<u>SIP 8-5-307</u>	<u>Y</u>		<u>< 500 ppm for pressure relief devices (expressed as methane) above background</u>	<u>BAAQMD 8-5-403</u>	<u>P/SA</u>	<u>Method 21 Inspection</u>
VOC	<u>SIPBAAQM D 8-5-307</u>	Y		<u>< 100 ppm for non-pressure relief devices (expressed as methane) above background</u>	<u>Not SpecifiedBAAQMD 8-18-401</u>	<u>NoneP/Q</u>	Method 21 Inspection
<u>VOC</u>	<u>BAAQMD 8-5-328.1</u>	<u>N</u>		<u>Abatement by approved control device until concentration of organics is < 10,000 ppm as methane</u>	<u>BAAQMD 8-5-503</u>	<u>P/E</u>	<u>Portable hydrocarbon detector</u>
VOC	<u>SIPBAAQM D 8-5-328.1.1</u>	Y		<u>Tank degassing/cleaning control by liquid balancing in which the resulting organic liquid has a TVP is less than 0.5 psia</u>	BAAQMD 8-5-501	P/E	Records
<u>VOC</u>	<u>SIPBAAQM D 8-5-328.1.2</u>	Y		<u>Abatement by Approved Control System until cConcentration of organics is < 10,000 ppm as methane after cleaning</u>	BAAQMD 8-5-503	P/E	Portable hydrocarbon detector

Table VII-AF
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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-AF
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
<u>FP</u>	<u>BAAQMD</u> <u>6-1-311</u>	<u>N</u>		<u>4.10 P^{0.67} lb/hr</u> <u>particulate, where P is</u> <u>process weight rate in</u> <u>ton/hr</u>	<u>For A-199</u> <u>and A-87/A-</u> <u>85/A-199:</u> <u>Condition</u> <u>17985, Part 7</u> <u>For S-336:</u> <u>Condition</u> <u>6859, Part 6</u>	<u>A-199: P-D</u> <u>S-336: C</u>	<u>Caustic</u> <u>concentration</u> <u>Temperature</u> <u>monitor</u>
FP	<u>SIPBAAQM</u> <u>D</u> 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 For S-336: Condition 6859, Part 6	A-199: P-D S-336: C	Caustic concentration Temperature monitor
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 For S-336: Condition 6859, Part 6	A-199: -P-D S-336: -C	Caustic concentration Temperature monitor
<u>POC</u>	<u>BAAQMD</u> <u>8-10-301</u>	<u>Y</u>		<u>Vessel</u> <u>depressurization</u> <u>recovered/combusted</u> <u>or contained/treated</u> <u>until organic partial</u> <u>pressure < 4.6 psig</u>	<u>8-10-501</u>	<u>P-E</u>	<u>Records</u>

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-AF
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	SIPBAAQM D 8-10-301	Y		Vessel depressurization recovered/combusted or contained/treated until organic partial pressure < 4.6 psig	Condition 21060None	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
Caustic concentration	Condition 17985, Part 6	Y		A-199 Caustic concentration ≥ 1% wt.	Condition 17985, Part 7	A-199: P-D	Caustic concentration
HCl	Condition 17985, Part 9	Y	Upon S/U of S-712	36% HCl production ≤ 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-AG
 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
<u>Opacity</u>	<u>BAAQMD</u> <u>6-1-301</u>	<u>N</u>		<u>Ringelmann No. 1</u> <u>for < 3 min/hr</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
Opacity	<u>SIPBAAQ</u> <u>MD</u> 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
<u>FP</u>	<u>BAAQMD</u> <u>6-1-310.3</u>	<u>N</u>		<u>0.15 grain/dscf, corrected to</u> <u>dry standard conditions 6%</u> <u>O₂</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
FP	<u>SIPBAAQ</u> <u>MD</u> 6-310.3	Y		0.15 grain/dscf, corrected to dry standard conditions 6% O ₂	None	N	N/A
<u>NOx</u>	<u>BAAQMD</u> <u>9-7-301.1</u>	<u>N</u>		<u>30 ppmvd at 3% O₂</u>	<u>Condition</u> <u>11054, Part 5</u>	<u>P – Annual</u>	<u>Source Test</u>
NOx	<u>SIPBAAQ</u> <u>MD</u> 9-7- 301.1	Y		30 ppmvd at 3% O ₂	Condition 11054, Part 5	P – <u>Annual</u> <u>per permit</u> <u>term</u>	Source Test
<u>NOx</u>	<u>BAAQMD</u> <u>9-7-307.5</u>	<u>N</u>		<u>9 ppmvd at 3% O₂</u>	<u>Condition</u> <u>11054, Part 5</u>	<u>P – Annual</u>	<u>Source Test</u>
<u>NOx</u>	<u>Condition</u> <u>11054 Part</u> <u>2b</u>			<u>9 ppmvd at 3% O₂</u>	<u>Condition</u> <u>11054, Part 5</u>	<u>P – Annual</u>	<u>Source Test</u>
<u>CO</u>	<u>BAAQMD</u> <u>9-7-301.4</u>	<u>N</u>		<u>400 ppmvd at 3% O₂</u>	<u>Condition</u> <u>11054, Part 5</u>	<u>P – Annual</u>	<u>Source Test</u>
CO	<u>SIPBAAQ</u> <u>MD</u> 9-7- 301.2	Y		400 ppmvd at 3% O ₂	<u>Condition</u> <u>11054, Part</u> <u>5</u> <u>None</u>	<u>P – Annual</u> <u>N</u>	<u>Source</u> <u>Test</u> <u>N/A</u>
CO	Condition 11054, Part 3	Y		50 ppmvd at 3% O ₂	<u>Condition</u> <u>11054, Part</u> <u>5</u> <u>None</u>	<u>P – Annual</u> <u>N</u>	<u>Source</u> <u>Test</u> <u>N/A</u>
SO ₂	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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII-AG
 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
SO2	BAAQMD 9-1-302	Y		SO2 ≤ 300 ppm, dry	None	N	N/A

**Table VII-AH
 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
<u>Opacity</u>	<u>BAAQMD</u> <u>6-1-301</u>	<u>N</u>		<u>Ringelmann No. 1</u> <u>for < 3 min/hr</u>	<u>For S-389:</u> <u>Condition 2039,</u> <u>Part 13</u> <u>For A-88/ A-</u> <u>89: None</u>	<u>S-389: C</u> <u>A-88/89: N</u>	<u>Temperature</u> <u>monitor</u> <u>N/A</u>
Opacity	<u>SIPBAAQ</u> <u>MD</u> 6-301	Y		Ringelmann No. 1 for < 3 min/hr	For S-389: Condition 2039, Part 13 For A-88/ A- 89: None <u>For S-434 or A-</u> <u>87/A-85/A-199:</u> <u>Condition</u> <u>17985, Parts 7</u>	S-389: C A-88/89: N <u>A-199: P-D</u>	Temperature monitor N/A <u>Caustic</u> <u>concentration</u>
<u>FP</u>	<u>BAAQMD</u> <u>6-1-310</u>	<u>N</u>		<u>0.15 grain/dscf</u>	<u>Same as Above</u>	<u>Same as</u> <u>Above</u>	<u>Same as</u> <u>Above</u>

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-AH
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
FP	SIPBAAQ MD 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^{0.67} lb/hr particulate, where P is process weight rate in ton/hr	Same as Above	Same as Above	Same as Above
FP	SIPBAAQ MD 6-311	Y		4.10 P ^{0.67} 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 For A-88/ A-89: None	S-389: C A-88/89: N	Temperature monitor N/A
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	SIPBAAQ MD 8-10-301	Y		Vessel depressurization recovered/combusted or contained/treated until organic partial pressure < 4.6 psig	Condition 21060 None	P-E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-AH
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 8-10-302	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
Caustic concentration	Condition 17985, Part 6	Y		A-199 Caustic concentration ≥ 1% wt.	Condition 17985, Part 7	A-199: P-D	Caustic concentration

Table VII-AI
Applicable Limits and Compliance Monitoring Requirements
S-449, HCl Storage Tank T-30
Abated by A-91, B-30 Absorber

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 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None	N	N/A

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-AI
Applicable Limits and Compliance Monitoring Requirements
S-449, HCl Storage Tank T-30
Abated by A-91, B-30 Absorber

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 6-311	Y		$4.10 P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	None	N	N/A
HCl	Condition 18128, Part 3			Abated HCl emissions ≤ 68 lbs/12 months	Condition 18128, Part 12	P-M	Records
HCl	Condition 18128, Part 4			Abated HCl emissions ≤ 0.3 lbs/day	Condition 18128, Part 12	P-D	Records

Table VII-AJ
Applicable Limits and Compliance Monitoring Requirements
S-454, Vikane Plant
~~Abated by S-434, Manufacturing Services Facility followed by A-199, Manufacturing Services Scrubber B-12 or~~
~~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~~
~~Process Flow Abated by A-90, H-30 Acid Absorber and A-91, B-30 Absorber, in series, and~~
~~Intermittent Process Vents Abated by A-46, B-7 Caustic Scrubber or A-197, B-4 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 6-301	Y		Ringelmann No. 1 for < 3 min/hr	For A-90, A-91: Condition 18128, Part 9 For A-46, A-197: Condition 18128, Part 11	P-D P-D	Temperature monitor Caustic concentration

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-AJ
Applicable Limits and Compliance Monitoring Requirements

S-454, Vikane Plant

Abated by S-434, Manufacturing Services Facility followed by A-199, Manufacturing Services Scrubber B-12 or

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

Process Flow Abated by A-90, H-30 Acid Absorber and A-91, B-30 Absorber, in series, and

Intermittent Process Vents Abated by A-46, B-7 Caustic Scrubber or A-197, B-4 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
					For S-434/A-199, A-87/A-85/A-199; Condition-17985, Part-7	P-D	Caustic concentration
FP	BAAQMD 6-310	Y		0.15 grain/dscf	Same as above	Same as above	Same as above
FP	BAAQMD 6-311	Y		4.10 P ^{0.67} lb/hr particulate, where P is process weight rate in ton/hr	Same as above	Same as above	Same as above
SO ₂	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 ₂	BAAQMD 9-1-302	Y		SO ₂ ≤ 300 ppm, dry	None	N	N/A
PM	Condition 18128, Part 1	Y		Abated PM emissions ≤ 718.8 lbs/12 months and SO ₂ emissions < 10.4 lbs/12 months	Condition-18128, Part-12	P-D	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-AJ
Applicable Limits and Compliance Monitoring Requirements
S-454, Vikane Plant
~~Abated by S-434, Manufacturing Services Facility followed by A-199, Manufacturing Services Scrubber B-12 or~~
~~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~~
~~Process Flow Abated by A-90, H-30 Acid Absorber and A-91, B-30 Absorber, in series,~~
and
~~Intermittent Process Vents Abated by A-46, B-7 Caustic Scrubber or~~
~~A-197, B-4 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
PM	Condition 18128, Part 2	Y		Abated PM emissions ≤ 2.5 lbs/day and SO ₂ emissions < 0.04 lbs/day	Condition 18128, Part 12	P-D	Records
HCl	Condition 18128, Part 8	Y		99.99%, wt, removal or ≤ 0.068 lb/hour	Condition 18128, Part 9	P-D	Temperature monitor
HCl	Condition 18128, Part 9	Y		Average daily temperature ≤ 80 degreesC	Condition 18128, Part 9	P-D	Temperature monitor
HCl	Condition 18128, Part 10	Y		99% wt control or ≤ 0.0023 lbs/hr HCl	Condition 18128, Part 11	P-D P—once per permit term	Caustic concentration Source Test
HF	Condition 18128, Part 10	Y		97% wt control or ≤ 0.59 lbs/hr HF.	Condition 18128, Part 11	P-D P—once per permit term	Caustic concentration Source Test
Other acid gas	Condition 18128, Part 10	Y		99% wt control or ≤ 0.025 lbs/hr other acid gas.	Condition 18128, Part 11	P-D P—once per permit term	Caustic concentration Source Test

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-AJ
Applicable Limits and Compliance Monitoring Requirements

S-454, Vikane Plant

Abated by S-434, Manufacturing Services Facility followed by A-199, Manufacturing Services Scrubber B-12 or

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

Process Flow Abated by A-90, H-30 Acid Absorber and A-91, B-30 Absorber, in series, and

Intermittent Process Vents Abated by A-46, B-7 Caustic Scrubber or A-197, B-4 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
SO ₂	Condition 18128, Part 10	Y		99% wt control or ≤ 0.61 lbs/hr SO ₂	Condition 18128, Part 11	P-D P—once per permit term	Caustic concentration Source Test
Caustic concentration	Condition 18128, Part 11	Y		OH concentration ≥ 2% wt	Condition 18128, Part 11	P-D	Caustic concentration

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-AK
Applicable Limits and Compliance Monitoring Requirements
[Pressure Tank < 75m³]
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	SIPBAAQM D 8-5-307	Y		< 100 ppm for non-pressure relief devices (expressed as methane) above background	Not SpecifiedBAAQMD 8-18-404	P/QNone	Method 21 Inspection

Table VII-AL
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	SIPBAAQ MD 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% O₂	None	N	N/A
FP	SIPBAAQ MD 6-310.3	Y		0.15 grain/dscf, corrected to dry standard conditions 6% O ₂	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-AL
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	SIPBAAQ MD 6-311	Y		4.10 P ^{0.67} 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% O2	Condition 503, Part 7	P/A	Source Test
NOx	SIPBAAQ MD 9-7-301.1	Y		30 ppmvd at 3% O2	Condition 503, Part 7	P/A—once per permit term	Source Test
NOx	BAAQMD 9-7-307.5	N		9 ppmvd at 3% O2	Condition 503, Part 7	P/A	Source Test
NOx	Condition #503, Part 3b	Y		9 ppmvd at 3% O2	Condition 503, Part 7	P/A	Source Test
CO	BAAQMD 9-7-307.5	N		400 ppmvd at 3% O2	Condition 503, Part 7	P/A	Source Test
CO	SIPBAAQ MD 9-7-301.2	Y		400 ppmvd at 3% O2	Condition 503, Part 7 None	P/A N	Source Test N/A
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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-AM
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	SIPBAAQ MD 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	SIPBAAQ MD 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
FP	SIPBAAQ MD 6-311	Y		4.10 P ^{0.67} 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-AN
Applicable Limits and Compliance Monitoring Requirements
S-4654, 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 6-1-301	N		Ringelmann No. 1 for < 3 min/hr	Condition 23250, Part 3	P/W	Pressure Drop Monitoring
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for < 3 min/hr	Condition 23250, Part 3 None	P/W N	Pressure Drop Monitoring N/A
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	Condition 23250, Part 3	P/W	Pressure Drop Monitoring
FP	BAAQMD 6-310	Y		0.15 grain/dscf	Condition 23250, Part 3 None	P/W N	Pressure Drop Monitoring 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	Condition 23250, Part 3	P/W	Pressure Drop Monitoring
FP	BAAQMD 6-311	Y		4.10 P ^{0.67} lb/hr particulate, where P is process weight rate in ton/hr	Condition 23250, Part 3 None	P/W N	Pressure Drop Monitoring N/A

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-AO
Applicable Limits and Compliance Monitoring Requirements
S-474, Plant 421 - Verdict Reactor R-210,
Abated by ~~A-97, B-201 Organic Scrubber~~, A-98, B-202 Reactor Vent Scrubber,
A-99, B-203 Scrubber, ~~A-100, B-230 Scrubber, A-101, H-205 Falling Film Absorber,~~
and A-102, B-206 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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
<u>Opacity</u>	<u>BAAQMD</u> <u>6-1-301</u>	<u>N</u>		<u>Ringelmann No. 1</u> <u>for < 3 min/hr</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
Opacity	<u>SIPBAAQ</u> <u>MD</u> 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
<u>FP</u>	<u>BAAQMD</u> <u>6-1-310</u>	<u>N</u>		<u>0.15 grain/dscf</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
FP	<u>SIPBAAQ</u> <u>MD</u> 6-310	Y		0.15 grain/dscf	None	N	N/A
<u>FP</u>	<u>BAAQMD</u> <u>6-1-311</u>	<u>N</u>		<u>4.10 P^{0.67} lb/hr particulate,</u> <u>where P is process weight</u> <u>rate in ton/hr</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
FP	<u>SIPBAAQ</u> <u>MD</u> 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	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-TBD
Applicable Limits and Compliance Monitoring Requirements
S-482, Carbon Tetrachloride Rail Car Loading
Each Abated by S-336 or S-389, Thermal Oxidizers

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-AP
Applicable Limits and Compliance Monitoring Requirements
S-489, Latex Still B-100
Abated by A-42, B-368 Latex Plant Styrene Scrubber,
Followed by S-336 or S-389, Thermal Oxidizers
(90% of Latex Plant Operating Time)
S-490, B-310 Partial Condenser
Abated by A-42, B-368 Latex Plant Styrene Scrubber during stripping of decant
water
Followed 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
POC	BAAQMD 8-36-301	Y		POC emissions from all resin reactors, blending and thinning tanks combined \leq 10 lbs/day or emissions abated by \geq 95%	For S-336/S-389: Condition 6859, Part 6; Condition 2039, Part 13 When not venting to oxidizer: Condition 16610, Part 8	C P-D	Temperature monitor Styrene concentration; records of batches produced
VOC	Condition 16610, Part 4	Y		Styrene emissions from A-42 \leq 346 lbs/day	Condition 16610, Part 8	P-D	Styrene concentration; records of batches produced
VOC	Condition 16610, Part 5	Y		Scrubber emissions vented to thermal oxidizer 90% of operating time	Condition 16610, Part 8	P-D/E	Records
Styrene concentration	Condition 16610, Part 6	Y		When not vented to oxidizer: Styrene concentration in scrubber \geq 80% by weight;	Condition 16610, Part 8	P-D	Styrene concentration; records of batches produced

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-AP
Applicable Limits and Compliance Monitoring Requirements

S-489, Latex Still B-100

**Abated by A-42, B-368 Latex Plant Styrene Scrubber,
 Followed by S-336 or S-389, Thermal Oxidizers
 (90% of Latex Plant Operating Time)**

S-490, B-310 Partial Condenser

**Abated by A-42, B-368 Latex Plant Styrene Scrubber during stripping of decant
 water**

Followed 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
Batches	Condition 16610, Part 7	Y		When not vented to oxidizer: 4 batches/day, max.	Condition 16610, Part 8	P-D	Records

Table VII-AQ
Applicable Limits and Compliance Monitoring Requirements
S-492, T-403 Environmental Services
Pressure Tank >75m3

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	<u>BAAQMD 8-5-306</u>	N		<u>Control device standards; includes 95% efficiency requirement (when operated with emission control system)</u>	<u>BAAQMD Condition 6859, part 6</u>	C	<u>Temperature monitoring</u>
VOC	<u>SIPBAAQM D 8-5-306</u>	Y		Control device standards; includes 95% efficiency requirement (when operated with emission control system)	BAAQMD Condition 6859, part 6	C	Temperature monitoring
VOC	<u>SIPBAAQM D 8-5-307</u>	Y		< 100 ppm for non-pressure relief devices (expressed as methane) above background (when operated as pressure tank)	<u>Not Specified BAAQMD 8-18-401</u>	<u>None P/Q</u>	Method 21 Inspection

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII–AQ
Applicable Limits and Compliance Monitoring Requirements
S-492, T-403 Environmental Services
Pressure Tank >75m3

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	SIPBAAQMD 8-5-328.1	Y		Tank degassing 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	SIPBAAQMD 8-5-328.1.2	Y		Abatement by approved control system until concentration of organics is < 10,000 ppm as methane after cleaning	BAAQMD 8-5-503	P/E	Portable hydrocarbon detector

Table VII–AR
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	SIPBAAQMD 8-5-307	Y		< 100 ppm (expressed as methane) above background	Not Specified BAAQMD 8-18-401	None P/Q	Method 21 Inspection

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-AS
Applicable Limits and Compliance Monitoring Requirements
S-504, Chlorinolysis Train 1
Abated by ~~Either A-400 (S-400), Experimental~~ Thermal Oxidizer R-901 ~~or~~
~~A-121, In-Process Technology Thermal Abatement Device~~
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	For A-121: Condition 2213, Part 2 For S-400: Condition 2213, Part 9	A-121: C S-400: C	Temperature Monitor Temperature Monitor
VOC	Condition 2213, Part 1	Y		A-121: Organic destruction efficiency ≥ 99.9% by weight	Condition 2213 Part 2	C	Temperature Monitor
Temp	Condition 2213, Part 2	Y		A-121: Temperature ≥ 1800 degrees F and residence time ≥ 1 second	Condition 2213 Part 2	C	Temperature Monitor
VOC	Condition 2213, Part 4	Y		VOC emissions ≤ 15.75 pounds/hour before abatement	Condition 2213 Parts 4, <u>123</u>	P-E	Measurement VOC content and calculation of maximum feedrate

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-AT
Applicable Limits and Compliance Monitoring Requirements
S-505, Chlorinolysis Train 2

Abated by ~~either A-400 (S-400), Experimental Thermal Oxidizer R-901 or A-121, In-Process Technology Thermal Abatement Device~~

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
<u>V</u> POC	BAAQMD 8-2-301	Y		Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry	For A-121: Condition 2213, Part 2 For S-400: Condition 2213, Part 9	A-121: C S-400: C	Temperature Monitor Temperature Monitor
<u>V</u> OC	Condition 2213, Part 1	Y		A-121: Organic destruction efficiency ≥ 99.9% by weight	Condition 2213 Part 2	C	Temperature Monitor
<u>Temp</u>	Condition 2213, Part 2	Y		A-121: Temperature ≥ 1800 degrees F and residence time ≥ 1 second	Condition 2213 Part 2	C	Temperature Monitor
VOC	Condition 2213, Part 5	Y		VOC emissions ≤ 1.5 pounds/hour before abatement	Condition 2213, Part 9 <u>None</u>	C <u>N</u>	Temperature Monitor <u>N/A</u>

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-AU
Applicable Limits and Compliance Monitoring Requirements
S-506, Manufacturing Services Storage Tank, T-404
Abated by S-336, Manufacturing Services Thermal Oxidizer or Operated as a
Pressure Vessel

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	Y		Control device standards; includes 95% efficiency requirement (when operated with emission control system)	BAAQMD Condition 6859, part 6	C	Temperature monitoring
VOC	BAAQMD 8-5-307	Y		<100 ppm (expressed as methane) above background (when operated as a pressure tank)	BAAQMD 8-18-401	P/Q	Method 21 Inspection
VOC	BAAQMD 8-5-328.1	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
	BAAQMD 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	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	BAAQMD 8-18-401	P/Q	Inspection using Method 21
VOC	NSPS Subpart Kb 60.112b (a)(3)(ii)	Y		When not operated as a pressure tank—Control device standards; includes 95% efficiency requirement (-)	BAAQMD Conditions 6859, part 6	C	Temperature monitoring

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-AV
Applicable Limits and Compliance Monitoring Requirements
S-507, Latex Plant Reactor, R-100
Abated by A-42, B-368 Latex Plant Styrene Scrubber,
Followed 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
POC	BAAQMD 8-36-301	Y		POC emissions from all-resin reactors, blending and thinning tanks combined \leq 10 pounds/day or POC emissions abated by \geq 95%	For S-336 or S-389: Condition 6859, Part 6; Condition 2039, Part 13 When not venting to oxidizer: Condition 16610, Part 8	C P-D	Temperature monitor Styrene concentration; records of batches produced
VOC	Condition 16610, Part 4	Y		Styrene emissions from A-42 \leq 346 lbs/day	Condition 16610, Part 8	P-D	Styrene concentration; records of batches produced
VOC	Condition 16610, Part 5	Y		Scrubber emissions vented to thermal oxidizer 90% of operating time	Condition 16610, Part 8	P-D/E	Records
Styrene concentration	Condition 16610, Part 6	Y		When not vented to oxidizer: Styrene concentration in scrubber \geq 80% by weight;	Condition 16610, Part 8	P-D	Styrene concentration; records of batches produced
Batches	Condition 16610, Part 7	Y		When not vented to oxidizer: 4 batches/day, max.	Condition 16610, Part 8	P-D	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-AW
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	SIPBAAQM D 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	SIPBAAQM D 8-5-307	Y		< 100 ppm (expressed as methane) above background (when operated as a pressure tank)	Not Specified None	N None	N/A
VOC	BAAQMD Condition 1748, part 2	Y		No detectible organic emissions	None	N	N/A

Table VII-AX
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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-AY
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
<u>Opacity</u>	<u>BAAQMD</u> <u>6-1-301</u>	<u>N</u>		<u>Ringelmann No. 1</u> <u>for < 3 min/hr</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
Opacity	<u>SIPBAAQ</u> <u>MD</u> 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
<u>FP</u>	<u>BAAQMD</u> <u>6-1-310</u>	<u>N</u>		<u>0.15 grain/dscf</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
FP	<u>SIPBAAQ</u> <u>MD</u> 6-310	Y		0.15 grain/dscf	None	N	N/A
<u>FP</u>	<u>BAAQMD</u> <u>6-1-311</u>	<u>N</u>		<u>4.10 P^{0.67} lb/hr particulate,</u> <u>where P is process weight</u> <u>rate in ton/hr</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
FP	<u>SIPBAAQ</u> <u>MD</u> 6-311	Y		4.10 P ^{0.67} lb/hr particulate, where P is process weight rate in ton/hr	None	N	N/A

Table VII-AZ
Applicable Limits and Compliance Monitoring Requirements
S-531, Organic Liquid Storage Tank
S-532, Organic Liquid Storage Tank
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	Y		Control device standards; includes 95% efficiency requirement	Conditions 2039, part 13, and 6859, part 6	C	Temperature monitoring

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-BA
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 6-1-301	N		Ringelmann No. 1 for < 3 min/hr	For A-87/A-85/A-199: Condition 17985, Part 7	P-D	Caustic concentration
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for < 3 min/hr	For A-87/A-85/A-199: Condition 17985, Part 7	P-D	Caustic concentration
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	Same as Above	Same as Above	Same as Above
FP	SIPBAAQ MD 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^{0.67} lb/hr particulate, where P is process weight rate in ton/hr	Same as Above	Same as Above	Same as Above
FP	SIPBAAQ MD 6-311	Y		4.10 P ^{0.67} lb/hr particulate, where P is process weight 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–BB
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	SIPBAAQMD D 8-5-307	Y		< 100 ppm (expressed as methane) above background	Not Specified BAAQMD 8-18-401	P/Q None	Method 21 Inspection
VOC	BAAQMD Condition #3195, Part 3	Y		Vapor pressure ≤ 0.5 psia	BAAQMD Condition #3195, Part 4	P/E	Recordkeeping

~~Table VII–BC~~
~~Applicable Limits and Compliance Monitoring Requirements~~
~~S-586, Recycle Styrene Storage Tank, T-371~~
~~Abated by A-42, B-368 Latex Plant Styrene Scrubber,~~
~~followed 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 8-5-307	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-BD
Applicable Limits and Compliance Monitoring Requirements
S-587, Tank Truck Loading at Latex for Recycle Styrene
Abated by A-141, 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
VOC	BAAQMD 8-6-110	Y		Load-exempt materials only, true vapor pressure ≤ 0.5 psia	BAAQMD 8-6-503	P-E	Records
VOC	Condition 4002, Part 4	Y		Styrene/butadiene loading $\leq 48,000$ gallons/year	Condition 4002, Part 4	P-E	Records

Table VII-BE
Applicable Limits and Compliance Monitoring Requirements
S-588, Drum Filling Station
Filling Abated by A-142, Vapor Balance System or A-177, Container Loading
Vapor Balance Line, except for Lorsban 4E-HF

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 8-2-304	Y		Drum Cleaning emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry	Condition 3712, Part 4	P-D	Method 21 Inspection
VOC	BAAQMD 8-6-110	Y		Load-exempt materials only, true vapor pressure ≤ 0.5 psia	BAAQMD 8-6-503	P-E	Records
VOC	Condition 3712, Part 5	Y		Chlorinated solvent loading $\leq 3,416,000$ gallons/12 months and ≤ 604 drums/day	Condition 3712, Part 7	P-D	Records
VOC	Condition 3712, Part 6	Y		Agricultural drum loading $< 32,258$ drums/12 months and < 576 drums/day	Condition 3712, Part 7	P-D	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-BF
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
<u>VPOC</u>	BAAQMD 8-2-301	Y		Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry	Condition 4780, Part 18	P – once per permit term	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 per permit term	Source Test
<u>VOC</u>	<u>Condition 4780, Part 2</u>	<u>N</u>		<u>4-amino-3,5 dichloro-2,6 diflouro pyridine from A-147 & A-149 ≤ 0.02 pounds/day</u>	<u>Condition 4780, Part 18</u>	<u>P-Once every 5 years</u>	<u>Source Test</u>
VOC	Condition 4780, Part 11	Y		Railcar shipments ≤ 345 240 cars/year	Condition 4780, Part 16	P-E	Records
<u>NH3</u>	<u>Condition 4780, Part 3</u>	<u>N</u>		<u>NH3 emissions from MEI Plant 640 do not exceed 0.02 pound per day and that the exhaust concentration does not exceed 200 ppm.</u>	<u>Condition 4780, Part 18</u>	<u>P-Once every 5 years</u>	<u>Source Test</u>

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-BG
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

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-BH
Applicable Limits and Compliance Monitoring Requirements
S-609, Acetone Truck Loading Rack
Abated by A-161, Sorbathene for Acetone Truck Loading—Activated Carbon
Adsorption

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 8-6-302.1	Y		Loading into delivery vehicle: Vapor balance or vapor loss control system with emissions < 0.35 pounds/1000-gallons loaded	Condition 5180, Part 6	P-E	Temperature monitoring
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 pounds/1000-gallons loaded	Condition 5180, Part 6	P-E	Temperature monitoring
VOC	BAAQMD 8-6-305, 8-6-306	Y		Vapor tight, leak free, good working order	Condition 5180, Part 7	P-E	Inspection
VOC	Condition 5180, Part 2	Y		Capture efficiency ≥ 95% wt	Condition 5180, Part 6	P-E	Temperature monitoring
POC	Condition 5180, Part 3	Y		Abated POC emissions ≤ 0.35 pounds/1000-gallons loaded	Condition 5180, Part 6	P-E	Temperature monitoring

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-BI
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 6-1-301	N		Ringelmann No. 1 for < 3 min/hr	Condition #4945, Parts 2 & 3	P-E	Visual Check
Opacity	SIPBAAQ MD 6-301	Y		Ringelmann No. 1 for < 3 min/hr	Condition #4945, Parts 2 & 3	P-E	Visual Check
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	None	N	N/A
FP	SIPBAAQ MD 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
FP	SIPBAAQ MD 6-311	Y		4.10 P ^{0.67} lb/hr particulate, where P is process weight 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-TBD
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

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

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

Table VII-BJ
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	<u>Condition 5336, Part 1</u>	<u>Y</u>		<u>Must be abated by S-336 whenever operating</u>	<u>Condition 5336, Part 3</u>	<u>P-E</u>	<u>Records</u>
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-BK
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 \geq 85% by weight and \geq 90% of organic carbon oxidized to CO ₂	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-BL**~~
~~**Applicable Limits and Compliance Monitoring Requirements**~~
~~**S-638, Truck Mounted Bulk Transportable Pressure Tank X-205**~~

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	Y		$<$ 100 ppm (expressed as methane) above background	Condition 3712, Part 8	P-Q or event	Method 21
VOC	BAAQMD 8-6-302.1	Y		Equipped with vapor balance or vapor loss control system; emissions \leq 0.35 lbs/1000 gallons	None	N	N/A

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII–BM
Applicable Limits and Compliance Monitoring Requirements
S-641, Groundwater Treatment Plant Decant Tank, T-440 [<75 m3]
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
<u>VOC</u>	<u>BAAQMD</u> <u>8-5-306</u>	<u>N</u>		<u>Control device standards; includes 95% efficiency requirement (when operated with emission control system)</u>	<u>BAAQMD</u> <u>Conditions</u> <u>2039, part 13,</u> <u>and 6859, part</u> <u>6</u>	<u>C</u>	<u>Temperature</u> <u>monitoring</u>
VOC	<u>SIPBAAQM</u> <u>ⓓ</u> 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	<u>SIPBAAQM</u> <u>ⓓ</u> 8-5-307	Y		< 100 ppm (expressed as methane) above background (when operated as pressure tank)	<u>Not</u> <u>Specified</u> <u>BAA</u> <u>QMD</u> <u>8-18-401</u>	<u>None</u> <u>P/Q</u>	Method 21 Inspection

Table VII–BN
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
<u>Opacity</u>	<u>BAAQMD</u> <u>6-1-301</u>	<u>N</u>		<u>Ringelmann No. 1</u> <u>for < 3 min/hr</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
Opacity	<u>SIPBAAQM</u> <u>ⓓ</u> 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
<u>FP</u>	<u>BAAQMD</u> <u>6-1-310</u>	<u>N</u>		<u>0.15 grain/dscf</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
FP	<u>SIPBAAQM</u> <u>ⓓ</u> 6-310	Y		0.15 grain/dscf	None	N	N/A

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII–BN
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
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
FP	SIPBAAQMD 6-311	Y		4.10 P ^{0.67} lb/hr particulate, where P is process weight rate in ton/hr	None	N	N/A
HCl	BAAQMD Condition # 7775 Part 1	Y		Combined throughput of 36% HCl ≤ 3,000,000 gallons/12 months	BAAQMD Condition # 7775 Part 5	P/M	Records

Table VII-BO
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	SIPBAAQMD 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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-BO
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
FP	SIPBAAQ MD 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
FP	SIPBAAQ MD 6-311	Y		4.10 P ^{0.67} 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 \(details in Table at the end of the section\).](#)

Table VII-BP
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 [A-184, ME 290 A/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
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VII. Applicable Emission Limits & Compliance Monitoring Requirements

POC	BAAQMD 8-2-301	Y		Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry	For A-184: Condition 8894, Parts 11 & 12 For S-336: Condition 6859, Part 6	For A-184: P-D For S-336: C	Method 21 Inspection Temperature monitor
VOC	Condition 8894, Part 11	Y		Changeout of first carbon bed within 72 hours of organic ≥ 10 ppm	Condition 8894, Part 11	P-D	Method 21 Inspection
VOC	Condition 8894, Part 12	Y		Shutdown or vent to thermal oxidizer if final carbon bed exhaust ≥ 10 ppm	Condition 8894, Part 12	P-D	Method 21 Inspection

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

**Table VII-BQ
 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 ~~A-184, ME 290 A/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	<u>BAAQMD 6-1-301</u>	<u>N</u>		<u>Ringelmann No. 1 for < 3 min/hr</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
Opacity	SIPBAAQM D 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
FP	<u>BAAQMD 6-1-310</u>	<u>N</u>		<u>0.15 grain/dscf</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
FP	SIPBAAQM D 6-310	Y		0.15 grain/dscf	None	N	N/A
FP	<u>BAAQMD 6-1-311</u>	<u>N</u>		<u>4.10 P^{0.67} lb/hr particulate, where P is process weight rate in ton/hr</u>	<u>None</u>	<u>N</u>	<u>N/A</u>

VII. Applicable Emission Limits & Compliance Monitoring Requirements

FP	SIPBAAQM D 6-311	Y		4.10 P ^{0.67} lb/hr particulate, where P is process weight rate in ton/hr	None	N	N/A
VOC	Condition 8894, Part 11	Y		Changeout of first carbon bed within 72 hours of organic ≥ 10 ppm	Condition 8894, Part 11	P-D	Method 21 Inspection
VOC	Condition 8894, Part 12	Y		Shutdown or vent to thermal oxidizer if final carbon bed exhaust ≥ 10 ppm	Condition 8894, Part 11	P-D	Method 21 Inspection
VOC	Condition 8894, Part 13	Y		POC emissions ≤ 292 lbs/12 months and HCl emissions ≤ 730 lbs/12 months	Condition 8894, Part 14	P-M	Records, Calculations

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

Table VII-BR

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 ~~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 6-1-301	N		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
Opacity	SIPBAAQM D 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	SIPBAAQM D 6-310	Y		0.15 grain/dscf	None	N	N/A

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII–BR

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 ~~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
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
FP	SIPBAAQMD D 6-311	Y		$4.10 P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	None	N	N/A

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

Table VII–BS

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 6-1-301	N		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
Opacity	SIPBAAQMD D 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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-BS

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
FP	SIPBAAQM D 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
FP	SIPBAAQM D 6-311	Y		4.10 P ^{0.67} lb/hr particulate, where P is process weight rate in 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-BT
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
<u>Opacity</u>	<u>BAAQMD</u> <u>6-1-301</u>	<u>N</u>		<u>Confined: Ringelmann No. 1 for < 3 min/hr</u>	<u>Condition</u> <u>8591, Part 5</u>	<u>P-W</u>	<u>Inspection</u>
Opacity	<u>SIPBAAQ</u> <u>MD</u> 6-301	Y		Confined: Ringelmann No. 1 for < 3 min/hr	Condition 8591, Part 5	P-W	Inspection
<u>FP</u>	<u>BAAQMD</u> <u>6-1-311</u>	<u>N</u>		<u>Confined: 4.10 P^{0.67} lb/hr, where P is process weight rate in ton/hr</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
FP	<u>SIPBAAQ</u> <u>MD</u> 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 though 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 though 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, ≤ 1% wt #70 US Standard sieve material	Condition 8591, Parts 3 & 4	P-E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-BT
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 12-4-305.2	Y		After blasting: abrasives for dry unconfined blasting, excluding reused certified abrasives, ≤ 1.8% wt 5 micron or smaller material	Same as Above	Same as Above	Same as Above
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 ≤ 270.4 tons/12 months	Condition 8591, Part 3	P-M	Records
PM	Condition 8591, Part 2	Y		Unconfined: grit type blast media throughput ≤ 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–BU
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	SIPBAAQMD 8-5-307	Y		< 100 ppm (expressed as methane) above background	Not SpecifiedBAAQMD 8-18-401	P/QNone	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–BV
Applicable Limits and Compliance Monitoring Requirements
S-675, Carbon Tetrachloride Railcar 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 8-5-307	Y		< 100 ppm (expressed as methane) above background	BAAQMD 8-18-401	P/Q	Method 21 Inspection
VOC	BAAQMD 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	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after cleaning	BAAQMD 8-5-503	P/E	Portable hydrocarbon detector

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-BV
Applicable Limits and Compliance Monitoring Requirements
S-675, Carbon Tetrachloride Railcar 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 # 13335-Part 1	Y		Carbon tetrachloride \leq 5,669 gallons (74,720 lbs) during any consecutive twelve month period	BAAQMD Condition # 13335-Part 3	P/E	Records
VOC	BAAQMD Condition # 13335-Part 2	Y		Unloading Events \leq 5	BAAQMD Condition # 13335-Part 3	P/E	Records

Table VII-BW
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	SIPBAAQMD 8-5-307	Y		< 100 ppm (expressed as methane) above background	Not Specified BAAQMD 8-18-401	P/QNone	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	SIPBAAQMD 8-5-328.1	Y		Tank degassing/leaning 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	SIPBAAQMD 8-5-328.1.2	Y		Abatement by approved control system unit concentration of organics is < 10,000 ppm as methane after cleaning	BAAQMD 8-5-503	P/E	Portable hydrocarbon detector

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII–BW
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 8-6-304	Y		Equipped with vapor balance or vapor loss control system, emissions ≤ 0.17 lbs/1000 gallons	None	N	N/A
VOC	BAAQMD Condition # 14354 Part 1	Y		Carbon tetrachloride ≤ 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 ≤ 5 <u>during any calendar year</u> <u>During tank interior inspections and emergency repair ≤ 5 per day and < 20 for the event.</u>	BAAQMD Condition # 14354 Part 3	P/E	Records

S-680 is subject to Subpart EEEE (details in Table at the end of the section).

Table VII-BX
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 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 14354, Part 5	P-E	Method 21 Inspection
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 pounds/1000 gallons loaded	Condition 14354, Part 5	P-E	Method 21 Inspection

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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 14354, Part 5	P-E	Method 21 Inspection
VOC	BAAQMD 8-6-305, 8-6-306	Y		Vapor tight, leak free, good working order	Condition 14354, Part 5	P-E	Method 21 Inspection

Table VII-BY
Applicable Limits and Compliance Monitoring Requirements
S-682, Groundwater Treatment Plant Air 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 8-47-301	Y		Operations with emit benzene, vinyl chloride, perchloroethylene, methylene chloride, or trichloroethylene shall be abated $\geq 90\%$ by weight	Condition 6859, Part 6, Condition 2039, Part 13	C	Temperature monitor
VOC	Condition 14722, Part 4	Y		All piping shall be vapor tight with no detectable organic emissions	See Component Table	See Component Table	See Component Table
VOC	Condition 14722, Part 2	Y		Groundwater treated \leq 52,560,000 gallons/12 months	Condition 14722, Part 5	P-M	Records
VOC	Condition 14722, Part 3	Y		VOC fed to stripper \leq 52,560 pounds/12 months	Condition 14722, Part 5	P-M	Sampling, analysis, & calculation
VOC	Condition 14722, Part 4	Y		Carbon tetrachloride concentration in groundwater \leq 105 ppmw	Condition 14722, Part 5	P-M or more frequent	Sampling and analysis

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-BZ
Applicable Limits and Compliance Monitoring Requirements
S-683, Storage Vessel, D-110A

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	Y		<100 ppm (expressed as methane) above background	BAAQMD 8-18-401	P/Q	Method 21 Inspection
VOC	BAAQMD Condition # 15372 Part 3	Y		Acrylic acid throughput \leq 585,000 gallons during any consecutive twelve-month period	BAAQMD Condition # 15372 Part 4	P/M	Records
VOC	BAAQMD Condition # 15372 Part 5	Y		Vapor pressure of materials stored \leq 0.5 psia as measured at 25 degrees C	BAAQMD Condition # 15372 Part 4	P/M	Records

Table VII-CA
Applicable Limits and Compliance Monitoring Requirements
S-684, Dowicel Packaging System
Abated by A-193, Cartridge Dust Collector 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 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
FP	BAAQMD 6-310	Y		0.15 grain/dscf	Condition 15944, Part 3	P-W	Backpressure
FP	BAAQMD 6-311	Y		4.10 P ^{0.67} lb/hr particulate, where P is process weight rate in ton/hr	Condition 15944, Part 3	P-W	Backpressure
PM	Condition 15944, Part 4	Y		Abated PM10 emissions \leq 2.3 lbs/12 months	Condition 15944, Part 4	P-M	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CB
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
<u>Opacity</u>	<u>BAAQMD</u> <u>6-1-301</u>	<u>N</u>		<u>Ringelmann No. 1</u> <u>for < 3 min/hr</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
Opacity	SIPBAAQM D 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
<u>FP</u>	<u>BAAQMD</u> <u>6-1-310</u>	<u>N</u>		<u>0.15 grain/dscf</u>	<u>Condition</u> <u>15932, Part 8</u>	<u>P-W</u>	<u>Caustic</u> <u>circulation</u> <u>rate</u>
FP	SIPBAAQM D 6-310	Y		0.15 grain/dscf	Condition 15932, Part 8	P-W	Caustic circulation rate
<u>FP</u>	<u>BAAQMD</u> <u>6-1-311</u>	<u>N</u>		<u>4.10 P^{0.67} lb/hr particulate,</u> <u>where P is process weight</u> <u>rate in ton/hr</u>	<u>Condition</u> <u>15932, Part 8</u>	<u>P-W</u>	<u>Caustic</u> <u>circulation</u> <u>rate</u>
FP	SIPBAAQM D 6-311	Y		4.10 P ^{0.67} lb/hr particulate, where P is process weight rate in ton/hr	Condition 15932, Part 8	P-W	Caustic circulation rate
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
<u>POC</u>	<u>BAAQMD</u> <u>8-10-301</u>	<u>Y</u>		<u>Vessel depressurization</u> <u>recovered/combusted or</u> <u>contained/treated until</u> <u>organic partial pressure <</u> <u>4.6 psig</u>	<u>8-10-501</u>	<u>P-E</u>	<u>Records</u>
POC	SIPBAAQM D 8-10-301	Y		Vessel depressurization recovered/combusted or contained/treated until organic partial pressure < 4.6 psig	Condition 24060 None	P-E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

<u>POC</u>	<u>BAAQMD</u> <u>8-10-302</u>	<u>N</u>		<u>Opening of Process</u> <u>Vessels: 302.1 TOC</u> <u>concentration ≤ 10,000 ppm</u> <u>as methane, 302.2 if greater</u> <u>than 10,000 ppm, then</u> <u>number of vessels less than</u> <u>10% of total vessels during</u> <u>any consecutive 5 year</u> <u>period and emissions ≤ 15</u> <u>pounds per day.</u>	<u>8-10-501</u>	<u>P-E</u>	<u>Records</u>
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 3			Alkali solution circulation rate ≥ 17 gal/minute	Condition 15932, Part 8	P-W	Caustic circulation rate

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-CC
 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
<u>POC</u>	<u>BAAQMD 8-10-301</u>	<u>N</u>		<u>Vessel depressurization recovered/combusted or contained/treated until organic partial pressure < 4.6 psig</u>	<u>8-10-501</u>	<u>P-E</u>	<u>Records</u>
POC	SIPBAAQMD 8-10-301	Y		Vessel depressurization recovered/combusted or contained/treated until organic partial pressure < 4.6 psig	Condition 21060 None	P-E	Records
<u>POC</u>	<u>BAAQMD 8-10-302</u>	<u>N</u>		<u>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.</u>	<u>8-10-501</u>	<u>P-E</u>	<u>Records</u>
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-CD
Applicable Limits and Compliance Monitoring Requirements
S-695, Storage Tank, T-58026, 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	<u>SIPBAAQM</u> <u>D</u> 8-5-307	Y		< 100 ppm (expressed as methane) above background	<u>Not Specified</u> <u>BAAQMD</u> <u>8-18-401</u>	<u>P/QNone</u>	Method 21 Inspection
VOC	BAAQMD Condition # 15932 Part 9	Y		Combined POC emissions from S-695, S-696, S-697 ≤ 198.9 lbs/12 months	BAAQMD Condition # 15932, Part 13	P/W	Records <u>Calculations</u>
VOC	BAAQMD Condition # 15932 Part 10	Y		Vapor pressure ≤ 0.5 psia	BAAQMD Condition # 15932, Part 13	P/W	Records

Table VII-CE
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	<u>SIPBAAQM</u> <u>D</u> 8-5-307	Y		< 100 ppm (expressed as methane) above background	<u>Not Specified</u> <u>BAAQMD</u> <u>8-18-401</u>	<u>P/QNone</u>	Method 21 Inspection
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 <u>Calculations</u>
VOC	BAAQMD Condition # 15932 Part 10	Y		Vapor pressure ≤ 0.5 psia	BAAQMD Condition # 15932, Part 13	P/W	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CF
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 Calculations
VOC	BAAQMD Condition 15932, Part 12	Y		Vapor balance required	BAAQMD Condition 15932, Part 13	P-E	Inspection

Table VII-CG
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-CH
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
<u>VOC</u>	<u>BAAQMD 8-5-307</u>	<u>N</u>		<u>< 500 ppm for pressure relief devices (expressed as methane) above background</u>	<u>BAAQMD 8-5-403</u>	<u>P/SA</u>	<u>Method 21 Inspection</u>
<u>VOC</u>	<u>SIP 8-5-307</u>	<u>Y</u>		<u>< 500 ppm for pressure relief devices (expressed as methane) above background</u>	<u>BAAQMD 8-5-403</u>	<u>P/SA</u>	<u>Method 21 Inspection</u>
VOC	<u>SIPBAAQMD 8-5-307</u>	Y		< 100 ppm (expressed as methane) above background	<u>Not Specified</u> BAAQMD 8-18-401	<u>P/QNone</u>	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: N When abated by S-336: Condition 6859, Part 6	N C	N/A Temperature monitor
<u>VOC</u>	<u>Condition 16612</u>	<u>N</u>		<u>Total amount of organic materials stored at S-701 shall not exceed 100,000 gallons in any consecutive 12-month period</u>	<u>Condition 16612, Part 3</u>	<u>P/M</u>	<u>Records</u>

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CI
Applicable Limits and Compliance Monitoring Requirements
FUTURE Source: S-704, Acrylonitrile Storage Tank D-120A

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	Y	Upon S/U	<100 ppm (expressed as methane) above background	BAAQMD 8-18-401	P/Q	Method 21 Inspection
VOC	BAAQMD 8-5-328.1	Y	Upon S/U	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	BAAQMD Condition # 17878-Part 3	Y	Upon S/U	Acrylonitrile \leq 580,000 gallons during any consecutive twelve-month period	BAAQMD Condition # 17878-Part 4	P/M	Records

Table VII-CJ
Applicable Limits and Compliance Monitoring Requirements
S-705, Shot Blast Unit
Abated by A-198, Dust Collector

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 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
FP	BAAQMD 6-310	Y		0.15 grain/dscf	Condition 17683, Part 3	P-E	Operating & maintenance records
FP	BAAQMD 6-311	Y		$4.10 P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	Condition 17683, Part 2, Part 3—abatement & maintenance requirements	P-E	Operating & maintenance records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

PM	Condition 17683, Part 4	Y		Abrasive throughput ≤ 280,320 pounds/12 months	Condition 17683, Part 3	P-D	Records
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Table VII-CK
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	SIPBAAQ MD 6-303	Y N		Ringelmann No. 2	None	N	N/A
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	None	N	N/A
FP	SIPBAAQ MD 6-310	Y N		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	Condition 18317, Part 1	P-E	Vendor certification
Reliability Related Hours NOx, CO, PM	BAAQMD 9-8-330, Condition 18317, Part 2	N		Operation for reliability-related activities ≤ 50400 hours/calendar year	BAAQMD 9-8-530, Condition 18317, Part 5	C	Totalizing Fuel meter or meter, records indicating hours of operation

VII. Applicable Emission Limits & Compliance Monitoring Requirements

<u>Hours for maintenance and testing</u>	<u>Title 17, California Code of Regulations section 93115.6(b)(3)</u>	<u>N</u>		<u>Operation for reliability-related activities ≤ 50 hours/calendar year</u>	<u>93115.10(d)</u>	<u>P/E</u>	<u>Totalizing meter, records</u>
<u>Hours for Maintenance and Testing</u>	<u>Condition 22850, Part 1</u>	<u>N</u>		<u>Operation for reliability-related activities ≤ 50 hours/calendar year</u>	<u>BAAQMD 9-8-530, Condition 22850, Part 3</u>	<u>C</u>	<u>Totalizing meter, records</u>
<u>PM</u>	<u>Condition 18317, Part 2</u>	<u>N</u>		<u>Total operation ≤ 200 hours/calendar year</u>	<u>Condition 18317, Part 5</u>	<u>C</u>	<u>Fuel meter or meter indicating hours of operation</u>
<u>PM</u>	<u>Condition 18317, Part 4</u>	<u>N</u>		<u>Fuel sulfur content ≤ 0.05% by weight</u>	<u>Condition 18317, Part 4</u>	<u>P-E</u>	<u>Vendor certification</u>

Note: S-706 is subject to Subpart ZZZZ (details in MACT Monitoring Table).

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CL
Applicable Limits and Compliance Monitoring Requirements
S-707, Diesel Engine Backup Generator P1A
S-708, Diesel Engine Backup Generator P1B
~~S-710, Diesel Engine Backup Generator 480A~~
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
<u>Opacity</u>	<u>BAAQMD</u> <u>6-1-303</u>	<u>N</u>		<u>Ringelmann No. 2</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
Opacity	<u>SIPBAAQ</u> MD 6-303	<u>YN</u>		Ringelmann No. 2	None	N	N/A
<u>FP</u>	<u>BAAQMD</u> <u>6-1-310</u>	<u>N</u>		<u>0.15 grain/dscf</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
FP	<u>SIPBAAQ</u> MD 6-310	<u>YN</u>		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 ppm 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	<u>NoneCondition</u> <u>19724, Part 5</u>	<u>P-E</u>	<u>N/AVendor</u> <u>certification</u>
<u>Reliability Related Hours</u> <u>NOx, CO, PM</u>	BAAQMD 9-8-330, Condition 19724, Part <u>4</u>	N		Operation for reliability-related activities ≤ 10500 <u>40500</u> hours/calendar year	BAAQMD 9-8-530, <u>Condition</u> 19724, Part 4	C	<u>Fuel meter or</u> <u>Totalizing</u> <u>meter, records</u> <u>indicating</u> <u>hours of</u> <u>operation</u>

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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 \(details MACT Monitoring Table\).](#)

**Table VII-CM
 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	SIPBAAQMD 6-303	YN		Ringelmann No. 2	None	N	N/A
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	None	N	N/A
FP	SIPBAAQMD 6-310	YN		0.15 grain/dscf	None	N	N/A

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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	None	N	N/A
<u>Reliability Related Hours</u> NOx, CO, PM	BAAQMD 9-8-330, Condition 19724, Part 4	N		Operation for reliability-related activities \leq 50400 hours/calendar year	BAAQMD 9-8-530, Condition 19724, Part 4	C	<u>Fuel meter or Totalizing meter, records indicating hours of operation</u>
<u>Reliability Related Hours</u>	<u>Condition</u> 19724, Part 1	<u>N</u>		<u>Operation for reliability-related activities \leq 50 hours/calendar year</u>	<u>Condition</u> 19724, Part 4		<u>Totalizing meter, records</u>

Note: S-709 is subject to Subpart ZZZZ (details MACT Monitoring Table).

Table VII-CN
Applicable Limits and Compliance Monitoring Requirements
S-712, Sulfuryl Fluoride Plant
~~HCl Emissions from B-40 Abated by S-434, Manufacturing Services Facility Followed by A-199, Manufacturing Services Scrubber B-12 or~~
~~HCl Emissions from B-40 Abated by A-87 and A-85, Acid Absorbers, Followed by A-199 Manufacturing Services Scrubber B-12~~
~~All other Emissions Abated by A-201, Venturi Scrubber X-100 and A-202, Caustic Scrubber B-105~~

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 6-304	Y	+	Ringelmann No. 1 for $<$ 3 min/hr	For A-199: Condition 17985, Part 7 For A-201/ A-202: Condition 20239, Parts 5, 6	A-199: P-D A-201/A-202: P-D	Caustic concentration Caustic concentration

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CN
Applicable Limits and Compliance Monitoring Requirements
S-712, Sulfuryl Fluoride Plant
HCl Emissions from B-40 Abated by S-434, Manufacturing Services Facility Followed by
A-199, Manufacturing Services Scrubber B-12 or
HCl Emissions from B-40 Abated by A-87 and A-85, Acid Absorbers, Followed by A-199
Manufacturing Services Scrubber B-12
All other Emissions Abated by A-201, Venturi Scrubber X-100 and A-202, Caustic
Scrubber B-105

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 6-310	Y	+	0.15 grain/dscf	For A-199: Condition 17985, Part 7 For A-201/A-202: Condition 20239, Parts 5, 6	A-199: P-D A-201/A-202: P-D	Caustic concentration Caustic concentration
FP	BAAQMD 6-311	Y	+	$4.10 P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	For A-199: Condition 17985, Part 7 For A-201/A-202: Condition 20239, Parts 5, 6	A-199: P-D A-201/A-202: P-D	Caustic concentration Caustic concentration
SO ₂	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	Condition 17985, Part 7, Condition 20239, Parts 5, 6	P-D	Caustic concentration
SO ₂	BAAQMD 9-1-302	Y	+	SO ₂ ≤ 300 ppm, dry	Condition 17985, Part 7, Condition 20239, Parts 5, 6	P-D	Caustic concentration
Caustic concentration	Condition 17985, Part 6	Y	+	Caustic concentration ≥ 1% by weight	Condition 17985, Part 7	P-D	Caustic concentration

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CN
Applicable Limits and Compliance Monitoring Requirements
S-712, Sulfuryl Fluoride Plant
HCl Emissions from B-40 Abated by S-434, Manufacturing Services Facility Followed by
A-199, Manufacturing Services Scrubber B-12 or
HCl Emissions from B-40 Abated by A-87 and A-85, Acid Absorbers, Followed by A-199
Manufacturing Services Scrubber B-12
All other Emissions Abated by A-201, Venturi Scrubber X-100 and A-202, Caustic
Scrubber B-105

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Sulfuryl Fluoride	Condition 20303, Part 4	Y	⁺	Abated sulfuryl fluoride emissions \leq 440.8 lbs/12 months	Condition 20303, Part 7	P-M P—once per permit term	Records Source Test
Acid	Condition 20303, Part 4	Y	⁺	Abated HF and HCl emissions \leq 15.5 lbs/12 months	Condition 20303, Part 7	P-M P—once per permit term	Records Source Test
SO ₂	Condition 20303, Part 4	Y	⁺	Abated SO ₂ emissions \leq 3.6 lbs/12 months	Condition 20303, Part 7	P-M P—once per permit term	Records Source Test
Sulfuryl Fluoride	Condition 20303, Part 4	Y	⁺	Combined control efficiency of A-201, A-202 \geq 98.5%	Condition 20303, Parts 5, 6	C P-D	Flowmeters; Caustic strength
All other pollutants	Condition 20303, Part 4	Y	⁺	Combined control efficiency of A-201, A-202 \geq 99.98%	Condition 20303, Parts 5, 6	C P-D	Flowmeters; Caustic strength
Flowrate	Condition 20303, Part 4	Y	⁺	Scrubber water \geq 145 gal/minute	Condition 20303, Part 5	C	Flowmeter
Flowrate	Condition 20303, Part 4	Y	⁺	Scrubber solution \geq 50 gal/minute	Condition 20303, Part 5	C	Flowmeter
pH	Condition 20303, Part 4	Y	⁺	pH \geq 8	Condition 20303, Part 6	P-D	Caustic strength

⁺ Upon Start up

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-TBD
Applicable Limits and Compliance Monitoring Requirements
S-718, Nitrapyrin Plant

<u>Pollutant</u>	<u>Emission Limit Citation</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Emission Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
VOC	Condition 24763, Part 7	Y		0.891 tons per consecutive 12-month period	Condition 24763, Part 6	P-Quarterly for Pumps and Valves, Biannual for Connectors	Portable Hydrocarbon Analyzer (Method 21)

Table VII-TBD
Applicable Limits and Compliance Monitoring Requirements
S-1011 Auxilliary Boiler abated by A-1011 SCR

<u>Pollutant</u>	<u>Emission Limit Citation</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Emission Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
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 ₂	Condition #19356, part 14c	C	CEM
NOx	SIP 9-7- 301.1	Y		30 ppmvd at 3% O ₂	Condition #19356, part 14c	C	CEM
NOx	Condition #19356, part 3	Y		< 9 ppmv @ 3% O ₂ , dry, averaged over any rolling 3 hour period, excluding startup and shutdown	Condition #19356, part 14c	C	CEM

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-TBD
Applicable Limits and Compliance Monitoring Requirements
S-1011 Auxilliary Boiler abated by A-1011 SCR

<u>Pollutant</u>	<u>Emission Limit Citation</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Emission Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
<u>NOx</u>	<u>Condition #19356, part 3</u>	<u>Y</u>		<u>< 9 ppmv @ 3% O₂, dry, averaged over any rolling 3 hour period, excluding startup and shutdown</u>	<u>Condition #19356, part 12</u>	<u>Every 8,000 firing hours or 3 years, whichever comes first</u>	<u>Source Test</u>
<u>NOx</u>	<u>Condition #19356, part 13a</u>	<u>Y</u>		<u>6 tons per consecutive twelve month period</u>	<u>Condition #19356, part 14c</u>	<u>C</u>	<u>CEM</u>
<u>CO</u>	<u>BAAQMD 9-7-307.6</u>	<u>N</u>		<u>400 ppmvd @ 3% O₂</u>	<u>Condition #19356, part 14c</u>	<u>C</u>	<u>CEM</u>
<u>CO</u>	<u>SIP 9-7-301.2</u>	<u>Y</u>		<u>400 ppmvd @ 3% O₂</u>	<u>Condition #19356, part 14c</u>	<u>C</u>	<u>CEM</u>
<u>CO</u>	<u>Condition #19356, part 4</u>	<u>Y</u>		<u>< 50 ppmv @ 3% O₂, dry, averaged over any rolling 3 hour period, excluding startup and shutdown</u>	<u>Condition #19356, part 14c</u>	<u>C</u>	<u>CEM</u>
	<u>Condition #19356, part 4</u>	<u>Y</u>		<u>< 50 ppmv @ 3% O₂, dry, averaged over any rolling 3 hour period, excluding startup and shutdown</u>	<u>Condition #19356, part 12</u>	<u>Every 8,000 firing hours or 3 years, whichever comes first</u>	<u>Source Test</u>
	<u>Condition #19356, part 13b</u>	<u>Y</u>		<u>20.3 tons per consecutive twelve month period</u>	<u>Condition #19356, part 14c</u>	<u>C</u>	<u>CEM</u>
<u>Precursor Organic Compounds</u>	<u>Condition #19356, part 13c</u>	<u>Y</u>		<u>0.7 tons per consecutive twelve month period</u>	<u>Condition #19356, parts 14f, 15d, 15f</u>	<u>P/M</u>	<u>Calculation, Records</u>

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-TBD
Applicable Limits and Compliance Monitoring Requirements
S-1011 Auxilliary Boiler abated by A-1011 SCR

<u>Pollutant</u>	<u>Emission Limit Citation</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Emission Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
Sulfur Dioxide	BAAQMD 9-1-301	Y		GLC¹ 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 % O₂		N	None
	Condition #19356, part 8	Y		Ringelmann No. 1 for < 3 min/hr		N	None
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% O₂, 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-CO
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 ≤ 100 ppm, unless the leak has been discovered, minimized < 24 hours and repaired ≤ 7 days	BAAQMD 8-18-401.1 8-18-401.5	P – < 90 days after startup, if opened during a turnaround. P-w/i 24 hrs of repair, if leak >Section 300 limits.	Method 21 Inspection Method 21 Inspection t
POC	SIPBAAQMD 8-18-301	Y		Except if subject to Sections 302, 303, 304, 305, 306: equipment leaks ≤ 100 ppm, unless the leak has been discovered, minimized ≤ 24 hours and repaired ≤ 7 days	BAAQMD 8-18-401.1 8-18-401.5	P – ≤ 90 days after startup, if opened during a turnaround. P-w/i 24 hrs of repair, if leak >Section 300 limits.	Method 21 Inspection Method 21 Inspection t

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CO
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 8-18-302	N		Valve leaks < 100 ppm, unless the leak has been discovered, minimized < 24 hours and repaired < 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 8-18-401.2 8-18-401.3 8-18-401.5 8-18-404	P – < 90 days after startup, if opened during a turnaround. Accessible valves: P-Q Inaccessible valves: P-A If leak >Section 300 limits: P < 24 hrs of repair. P-A, if requirements are met.	Method 21 Inspection Method 21 Inspection Method 21 Inspection Method 21 Inspection Method 21 Inspection
POC	SIPBAAQ MD 8-18-302	Y		Valve leaks ≤ 100 ppm, unless the leak has been discovered, minimized ≤ 24 hours and repaired ≤ 7 days. If discovered by the APCO, repaired within 24 hours.	BAAQMD 8-18-401.1 8-18-401.2 8-18-401.3 8-18-401.5 8-18-404	P – < 90 days after startup, if opened during a turnaround. Accessible valves: P-Q Inaccessible valves: P-A If leak >Section 300 limits: P ≤ 24 hrs of repair. P-A, if requirements are met.	Method 21 Inspection Method 21 Inspection Method 21 Inspection Method 21 Inspection Method 21 Inspection

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CO
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 < 500 ppm, unless the leak has been discovered, minimized < 24 hours and repaired < 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 8-18-401.2 8-18-401.5 8-18-403	P – w/i 90 days of startup, if opened during a turnaround. Accessible Pumps and Compressors P-Q P-w/i 24 hours of repair, if leak > Section 300 limits. Pumps and Compressors: P-D, except when facility not staffed	Method 21 Inspection Method 21 Inspection Method 21 Inspection Visual inspection Method 21 Inspection (upon discovery of liquid leak)

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CO
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	SIPBAAQ MD 8-18-303 , 8-18-305	Y		Pump, and Compressor, and PRD leaks ≤ 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	P – w/i 90 days of startup, if opened during a turnaround.	Method 21 Inspection
					8-18-401.5	P-w/i 24 hours of repair, if leak > Section 300 limits.	Method 21 Inspection
					8-18-401.7	PRD-w/ inaccessible horn-outlet:	Method 21 Inspection
					8-18-401.8	PRD that has released: P-5 working days after release	Method 21 Inspection
					8-18-403	Pumps and Compressors: P-D, except when facility not staffed	Visual inspection Method 21 Inspection (upon leak discovery)

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CO
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 8-18-304	N		Connection leaks ≤ 100 ppm, unless the leak has been discovered, minimized ≤ 24 hours and repaired ≤ 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 8-18-401.5	P – w/i 90 days after startup, if opened during a turnaround. P-w/i 24 hrs of repair, if leak >Section 300 limits.	Method 21 Inspection Method 21 Inspection
POC	SIPBAAQ MD 8-18-304	Y		Connection leaks ≤ 100 ppm, unless the leak has been discovered, minimized ≤ 24 hours and repaired ≤ 7 days. Or if inspected per 401.6 and discovered by the APCO, repaired within 24 hours.	BAAQMD 8-18-401.1 8-18-401.5	P – w/i 90 days after startup, if opened during a turnaround. P-w/i 24 hrs of repair, if leak >Section 300 limits.	Method 21 Inspection Method 21 Inspection

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CO
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 8-18-305	N		Pressure Relief Devices leak < 500 ppm, unless the leak has been discovered, minimized < 24 hours and repaired < 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/inaccessibl e 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-CO
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 < 500 ppm, unless the leak has been discovered, minimized < 24 hours and repaired < 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/inaccessibl e 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-CO
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	SIPBAAQMD 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: Valves ≤ 0.3%, Valves w/Major Leaks per 8-18-306.4 < 0.025% Pressure Relief Devices ≤ 1%, Pumps and Compressors ≤ 1%	BAAQMD 8-18-502.4	P-E	Records
POC	SIPBAAQMD 8-18-306.2	Y		Awaiting repair: Valves ≤ 0.5%, Pressure Relief Devices ≤ 1%, Pumps and Compressors ≤ 1%, unless comply with 306.3	BAAQMD 8-18-502.4	P-E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CO
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	SIPBAAQMD 8-18-306.3	Y		If cannot be repaired: Measure mass emissions w/i 7 days; Valves awaiting repair ≤0.1 lb/day and 1%, PRDs ≤ 0.2 lb/day and 5% , Pumps and Compressors ≤ 0.2 lb/day and 5%. 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-CO
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	SIPBAAQMD 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 SIP 8-25-401.1	P-Q P-within 7 days of repair	Method 21 Inspection

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CO
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 8-25-303	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 8-25-401.2 SIP 8-25-401.1	P-Q P-within 7 days of repair	Method 21 Inspection
POC	SIP 8-25-304.1, 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 8-25-401.2 SIP 8-25-401.1 SIP 8-25-503.4	P-Q P-within 7 days of repair	Method 21 Inspection and Records
POC	SIP 8-25-304.2, 8-25-306	Y		Number of pumps and compressors awaiting repair \leq 1%	SIP 8-25-401.2 SIP 8-25-401.1 SIP 8-25-503.4	P-Q P-within 7 days of repair	Method 21 Inspection and Records
POC	SIP 8-25-305, 8-25-306	Y		Pump or compressor repaired or replaced under §304.1 shall not leak > 500 ppm for 4 consecutive quarters	SIP 8-25-401.1	P-within 7 days of repair	Method 21 Inspection

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CO
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 8-25-307	Y		Liquid leaks must be minimized within 24 hours of discovery by operator and repaired within 7 days	SIP 8-25-403 SIP 8-25-401.1	P-D P-within 7 days of repair	Visual Inspection Method 21 Inspection
<u>POC</u>	<u>BAAQMD 8-28-402.1</u>	<u>N</u>		<u>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.</u>	<u>BAAQMD 8-28-402.1</u>	<u>P-D or monitoring system pursuant to 8-28-503</u>	<u>Visual Inspection or monitoring system pursuant to 8-28-503</u>
<u>POC</u>	<u>BAAQMD 8-28-402.2</u>	<u>N</u>		<u>PRV: Inspection within 5 working days of release event</u>	<u>BAAQMD 8-28-401</u>	<u>P-E</u>	<u>Method 21 Inspection and Report</u>
POC	<u>SIPBAAQMD 8-28-402</u>	<u>YN</u>		PRV: Inspection within 5 working days of release event	BAAQMD 8-28-401	P-E	Method 21 Inspection and Report
<u>POC</u>	<u>SIP 8-28-301</u>	<u>Y</u>		<u>10,000 ppm as methane measured ≤ 1 em from PRV, unless:</u>	<u>SIP 8-28-402</u> <u>SIP 8-28-402.3</u>	<u>Accessible: P-Q</u> <u>Inaccessible: P-A</u>	<u>Method 21 Inspection</u> <u>Method 21 Inspection</u>
<u>POC</u>	<u>SIP 8-28-301.1</u>	<u>Y</u>		<u>vented to vapor recovery or disposal system ≥ 95% efficient</u>	<u>SIP 8-28-404</u>	<u>None</u>	<u>Identification</u>

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CO
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 8-28-301.2	Y		PRV protected by rupture disc and been inspected within 36 hours of replacement or installation of rupture disc	SIP 8-28-404	None	Identification
POC	SIP 8-28-301.3	Y		Static upstream pressure exceeds the setpoint of the PRV	SIP 8-28-404	None	Identification
POC	SIP 8-28-301.4	Y		Leak has been identified and repaired within 15 days unless process unit shutdown is required	SIP 8-28-402 SIP 8-28-402.3	Accessible: P-Q Inaccessible: P-A	Method 21 Inspection Method 21 Inspection
POC	SIP 8-28-301.5	Y		Leak has been identified, minimized within 15 days, and repaired at next scheduled turnaround	SIP 8-28-402 SIP 8-28-402.3	Accessible: P-Q Inaccessible: P-A	Method 21 Inspection Method 21 Inspection

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CP
Applicable Limits and Compliance Monitoring Requirements
Polymers and Resins I (Latex) MACT
Latex Plant, including
S-336, Manufacturing Services Thermal Oxidizer
S-389 Manufacturing Services Thermal Oxidizer
S-683, D-110A Storage Vessel
S-704, D-120A Acrylonitrile Storage Tank
A-42, B-368 Latex Plant Styrene Scrubber
Heat Exchangers

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., Subpart F §104(e)(1)(i)	Y		Heat Exchangers: Cooling water analyzed for presence of styrene and butadiene to detect leaks	40 CFR 63.104(e)(1)(iii)	P-Q	Testing
Organic HAP	40 CFR Part 63., Subpart F §104(d)(1)	Y		Heat Exchangers: Unless delay of repair provisions met, repair leak within 45 days after confirmation of leak; confirm repair within 7 days of repair or startup	40 CFR 63.104(f)(1)	P-E	Records
Organic HAP	40 CFR Part 63., Subpart F §104(e)(2)(i)	Y		Heat Exchangers: If delay of repair provisions met, repair leak at next shutdown if within 2 months or if shutdown causes greater emissions than delaying repair, repair at next shutdown or for all other situations, repair within 120 days	40 CFR 63.104(f)(2)	P-E	Records
Organic HAP	40 CFR Part 63., Subpart G §113(a)(2)	Y		Primary Abatement Device: Reduction \geq 98% by weight or to concentration \leq 20 ppmv dry (corrected to 3% oxygen if supplemental combustion air is used); whichever is less stringent	40 CFR Part 63., Subpart G, §114(a), §114(d)(1), §485(e)(1)(i)	<p>€</p> <p>€</p>	<p>Temperature monitor</p> <p>Flowmeter</p>

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CP
Applicable Limits and Compliance Monitoring Requirements
Polymers and Resins I (Latex) MACT
Latex Plant, including
~~S-336, Manufacturing Services Thermal Oxidizer~~
~~S-389 Manufacturing Services Thermal Oxidizer~~
~~S-683, D-110A Storage Vessel~~
~~S-704, D-120A Acrylonitrile Storage Tank~~
~~A-42, B-368 Latex Plant Styrene Scrubber~~
Heat Exchangers

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, Subpart G §113(a)(2)	Y		Primary Abatement Device: Minimum operating temperature 986 degrees C	40 CFR Part 63, Subpart G, §114(a) 40 CFR Part 63, Subpart U, §485(a)	C	Temperature monitor

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CQ
Applicable Limits and Compliance Monitoring Requirements
MACT - Equipment Leaks, Fugitive Components (Subpart H Monitoring)

Latex Plant Fugitive Components, including:
Pumps, Valves, Connectors, Compressors, Pressure Relief Devices, Open Ended Valves
and Lines, Agitators, and Instrumentation Systems
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

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		Pumps in monomer service, Phase III: 5,000 ppm 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	§63.181(b)(1)	P-M	Calculations

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CQ
Applicable Limits and Compliance Monitoring Requirements
MACT - Equipment Leaks, Fugitive Components (Subpart H Monitoring)

Latex Plant Fugitive Components, including:
Pumps, Valves, Connectors, Compressors, Pressure Relief Devices, Open Ended Valves and Lines, Agitators, and Instrumentation Systems
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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
				leak, a quality improvement plan must be implemented			
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 HAP	40 CFR Part 63, §168(b)(2)(i)	Y		Valves in gas/vapor and light liquid service, Phase I: 10,000 ppm	§63.168(c)	P-Q	Method 21 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)	For ≥ 2% leakers: P-M or P-Q with a Quality Improvement	Method 21 inspection

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CQ
Applicable Limits and Compliance Monitoring Requirements
MACT - Equipment Leaks, Fugitive Components (Subpart H Monitoring)

~~Latex Plant Fugitive Components, including:~~
~~Pumps, Valves, Connectors, Compressors, Pressure Relief Devices, Open Ended Valves~~
~~and Lines, Agitators, and Instrumentation Systems~~
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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
					§63.165(d)(2)	Plan For < 2% leakers: P-Q	Method 21 inspection
					§63.165(d)(3)	For < 1% leakers: P-once per 2 quarters	Method 21 inspection
					§63.165(d)(4)	For < 0.5% leakers: P-once per 4 quarters	Method 21 inspection
Organic HAP	40 CFR Part 63, §169(b)	Y		Agitators in heavy liquid service: 10,000 ppm			Method 21 inspection
Organic HAP	40 CFR Part 63, §169(b)	Y		Pumps in polymerizing monomer service: 5,000 ppm Other pumps in heavy liquid service: 2,000 ppm			Method 21 inspection
Organic	40 CFR Part 63,	Y		Valves, connectors, in			Method 21

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CQ
Applicable Limits and Compliance Monitoring Requirements
MACT - Equipment Leaks, Fugitive Components (Subpart H Monitoring)

Latex Plant Fugitive Components, including:
Pumps, Valves, Connectors, Compressors, Pressure Relief Devices, Open Ended Valves and Lines, Agitators, and Instrumentation Systems
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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
HAP	§169(b)			heavy liquid service; instrumentation systems; pressure relief devices in liquid service: 500 ppm			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) §63.174(b)(3)(ii) §63.174(b)(3)(iii)	For leakers ≥ 0.5%: P-A For leakers < 0.5%: P-once every 2 years For leakers <	Method 21 inspection Method 21 inspection Method 21

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CQ
Applicable Limits and Compliance Monitoring Requirements
MACT - Equipment Leaks, Fugitive Components (Subpart H Monitoring)

- ~~Latex Plant Fugitive Components, including:~~
~~Pumps, Valves, Connectors, Compressors, Pressure Relief Devices, Open Ended Valves and Lines, Agitators, and Instrumentation Systems~~
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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
						0.5%: for 2 years: P-once every 4 years	inspection

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-TBD
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

<u>Pollutant</u>	<u>Emission Limit Citation</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Emission Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
VOC	NSPS Subpart Kb 60.112b (a)(3)(i)	Y		When operated with <u>emission control system - Closed vent system leak tightness standards</u> , 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 BAAQMD 8-18-401 BAAQMD Conditions 2039, part 13, and 6859, part 6	C	Temperature monitoring

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

- [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 \(A-72 B-16 Caustic Scrubber\)](#)
- [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 \(A-72 B-16 Caustic Scrubber\)](#)
- [S-652, 36% Hydrogen Chloride Acid Storage Tank, V-280C abated by S-336 Manufacturing Services Thermal Oxidizer and abatement train \(A-72 B-16 Caustic Scrubber\)](#)

Table VII-TBD
Applicable Limits and Compliance Monitoring Requirements
Subpart NNNNN
NESHAP for Hydrogen Chloride Manufacturing

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
HCl	Subpart NNNNN 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 < 120 ppmv. Emission stream from an HCl transfer operation at an existing source - Reduce HCl emissions by $>99\%$ OR Achieve an outlet concentration of <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-TBD
Applicable Limits and Compliance Monitoring Requirements
Subpart NNNNN
NESHAP for Hydrogen Chloride Manufacturing

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
<u>HCl</u>	<u>Subpart NNNNN</u> <u>63.9000(a)</u>	<u>Y</u>		<u>Emission stream from an HCl process vent at an existing source - reduce HCl emissions by > 99%; or achieve an outlet concentration of < 20 ppmv, and reduce Cl₂ emissions by > 99%; or achieve an outlet concentration of < 100 ppmv.</u>	<u>63.9015(a),</u> <u>63.9020(a)</u>	<u>P-every 5</u> <u>years</u>	<u>Performance</u> <u>Test at A-</u> <u>199</u> <u>Manufacturi</u> <u>ng Services</u> <u>Scrubber B-</u> <u>12 at S-434</u> <u>(Note:</u> <u>Performance</u> <u>Test not</u> <u>required for</u> <u>S-336</u> <u>abatement</u> <u>train since</u> <u>subject to</u> <u>Subpart</u> <u>EEE, RCRA</u> <u>and BIF</u> <u>permits. See</u> <u>63.9000(c)(4</u> <u>))</u>
<u>HCl</u>	<u>Subpart NNNNN</u> <u>63.9000(a)</u>	<u>Y</u>		<u>Emission stream from an HCl process vent at an existing source - reduce HCl emissions by > 99%; or achieve an outlet concentration of < 20 ppmv, and reduce Cl₂ emissions by > 99%; or achieve an outlet concentration of < 100 ppmv.</u>	<u>63.9035(b)(1)</u> <u>and (2)</u>	<u>C</u>	<u>Flowmeter</u> <u>pH monitor</u>

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-TBD
Applicable Limits and Compliance Monitoring Requirements
Subpart NNNNN
NESHAP for Hydrogen Chloride Manufacturing

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
HCl	Subpart NNNNN 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 ≤ 120 ppmv.	63.9035(b)(1) and (2)	C	Flowmeter pH monitor
HCl	Subpart NNNNN 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 ≤ 120 ppmv	63.9035(b)(1) and (2)	C	Flowmeter pH monitor

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-TBD
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

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
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) 63.1366(b)(ii) 63.1366(b)(xiii) 63.1366(h)(2)(i)	Initial C M A	Source Test Flowmeter Inspection of Bypass Seal or Closure Mechanism Audio Visual Ofactory (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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-TBD
Applicable Limits and Compliance Monitoring Requirements
Subpart EEEE
NESHAP for Organic Liquid Distribution

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
VOC	63.2346(a)	Y		Storage Tanks, Table 2 emission limits for tanks requiring control	Subpart EEEE 63.2366 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, (1) Table 2 emission limits (2) Route emissions to fuel gas systems or back to a process (3) Vapor balance system	Subpart EEEE 63.2366 63.2374 Condition 11276 part 1 for Limits (1) and (2) Condition 11276 part 6 for Limit (3)	C for Limits (1) and (2) 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 each pump, valve, and sampling connection in organic liquids service at least 300 hours/year, Leak Detection and Repair Program	Subpart EEEE Table 4 Work Practice Standards Comply with the requirements for pumps, valves, and sampling connections in 40 CFR part 63, Subpart H,	P/Varies in Subpart H, Quarterly for Valves, E-Liquid Leak for Pumps with Dual Mechanical Seals and Barrier Fluid, M-for other Pumps	Method 21 Inspection
VOC	63.2346(e)	Y		Operating Limits, High Throughput Racks must meet limits in Table 3. For each storage tank	Subpart EEEE 63.2366 63.2374	C	Temperature Monitor at S-336 or S-389 (Performance Testing Not Required per

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-TBD
Applicable Limits and Compliance Monitoring Requirements
Subpart EEEE
NESHAP for Organic Liquid Distribution

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
				and low throughput transfer rack comply with requirements for monitored parameters as specified in Subpart SS or alternatively comply with Table 3.			<u>63.2396(e), 63.988(b)(2)</u>

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).

Table VII-TBD
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

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
<u>Dioxins and Furans</u>	<u>Subpart EEE 63.1218(a)</u>	<u>Y</u>		<u>CO < 100 ppm @ 7% O2</u>	<u>Subpart EEE 63.1207(a)(3) 63.1209(a) 63.1209(b) 63.1209(k)</u>	<u>Initial C C</u>	<u>Source Test CO CEM Oxidizer Temperature, Flowrate or Production Rate, Maximum Feed Rate</u>

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-TBD
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

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
<u>Mercury, Hydrogen Chloride, Chlorine, Specified Metals, and Particulate Matter</u>	<u>Subpart EEE 63.1218(a)</u>	<u>Y</u>		<u>HCl and Cl₂ combined < 150 ppm @ 7% O₂; or System Removal Efficiency at least 99.923% of Cl₂ and chloride fed to the combustor.</u>	<u>Subpart EEE 63.1209(o) 63.1207(d)</u>	<u>Initial P - every 5- years C C D</u>	<u>Comprehensive Performance Test Chlorine and Chloride Feedrate Caustic Scrubber Flowrate Scrubber pH</u>
<u>CO and hydrocarbons</u>	<u>Subpart EEE 63.1218(a)</u>	<u>Y</u>		<u>CO < 100 ppm @ 7% O₂ and hydrocarbons < 10 ppm @ 7% O₂</u>	<u>Subpart EEE 63.1209(a) 63.1207(d)</u>	<u>C for CO Initial for hydrocarbons</u>	<u>CEM Comprehensive Performance Test</u>
<u>POC/ HAP</u>	<u>Subpart EEE 63.1218(c)</u>	<u>Y</u>		<u>Destruction Removal Efficiency 99.99%</u>	<u>Subpart EEE 63.1207(d) 63.1209(j)</u>	<u>Initial P - every 5- years C</u>	<u>Comprehensive Performance Test Oxidizer Temperature, Flowrate or Production Rate, Maximum Feed Rate, Operation of Waste Firing System</u>

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. Dow plans to conduct a comprehensive performance test every five years (see 63.1207(d)).

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-TBD
Applicable Limits and Compliance Monitoring Requirements
Subpart FFFF
NESHAP for Miscellaneous Organic Chemical Manufacturing

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
<u>TBD</u>	<u>TBD</u>	<u>Y</u>	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>

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-TBD
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

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
<u>Hours of Operation</u>	<u>63.6640(f)</u>	<u>Y</u>		<u>No limit for emergency use</u> <u>100 hours/year for maintenance and readiness checks</u>	<u>63.6655(f)</u>	<u>C</u>	<u>Non-resettable hour meter</u>

Table VII-TBD
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

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
<u>CO</u>	<u>Tune up to minimize CO,</u> <u>63.7500, 63.7540</u>	<u>Y</u>	<u>63.7495(c)</u> <u>(9)</u>		<u>Limited Use</u> <u>Boiler, or Boiler or</u> <u>Process Heater</u> <u>with continuous</u> <u>oxygen trim</u> <u>system 63.7540</u>	<u>P-5 years</u>	<u>Tune-up</u>
<u>CO</u>	<u>Tune up to minimize CO,</u> <u>63.7500, 63.7540</u>	<u>Y</u>	<u>63.7495(c)</u> <u>(9)</u>		<u>Boiler or Process</u> <u>Heater without</u> <u>continuous oxygen</u> <u>trim system</u> <u>63.7540</u>	<u>P-A for heat</u> <u>input ≥ 10</u> <u>MMBtu/hr</u> <u>P-Biennially fir</u> <u>heat input < 10</u>	<u>Tune-up</u>

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-TBD
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

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
						<u>MMBtu/hr and</u> <u>> 5 MMBtu/hr</u> <u>P-every 5 years</u> <u>for heat input <</u> <u>5 MMBtu/hr</u>	

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-TBD
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

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
<u>S-336, VOC, HAPs</u>	<u>Condition 6850 part 4, CAM Condition #TBD part 3</u>	<u>Y</u>		<u>Minimum Organic Destruction Efficiency of 99.99% by weight</u>	<u>CAM Condition #TBD part 3</u>	<u>P – every five years in accordance with Subpart EEE</u>	<u>Source Test</u>
<u>S-336, VOC, HAPs</u>	<u>Condition 6850 part 4, part 6, CAM Condition #TBD part 3, part 4</u>	<u>Y</u>		<u>Minimum Temperature 1807 degrees F, Minimum Organic Destruction Efficiency of 99.99% by weight</u>	<u>Condition 6850 part 6, CAM Condition #TBD part 6</u>	<u>C</u>	<u>Temperature</u>
<u>S-389, HAPs</u>	<u>Condition 2039 part 5, CAM Condition #TBD part 8</u>	<u>Y</u>		<u>Minimum Organic Destruction Efficiency of 99.99% by weight</u>	<u>CAM Condition #TBD part 8</u>	<u>P – every five years in accordance with Subpart EEE</u>	<u>Source Test</u>
<u>S-389, HAPs</u>	<u>Condition 2039 part 1, part 5, CAM Condition #TBD part 8, part 9</u>	<u>Y</u>		<u>Minimum Temperature of 1830 degrees F, Minimum Organic Destruction Efficiency of 99.99% by weight</u>	<u>Condition 2039 part 13, CAM Condition #TBD part 11</u>	<u>C</u>	<u>Temperature</u>

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-TBD
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

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
A-400 (S-400) HAPs	Condition 2213 part 8, CAM Condition #TBD part 13	Y		Minimum Organic Destruction Efficiency of 64% by weight	CAM Condition CAM Condition #TBD part 13	P – every five years	Source Test
A-400 (S-400) HAPs	Condition 2213 part 8, part 9, CAM Condition #TBD part 13, part 14	Y		Minimum Temperature 1472 degrees F Minimum Organic Destruction Efficiency of 64% by weight	Condition 2213 part 9, CAM Condition #TBD part 16	C	Temperature

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**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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 8-7-301.13 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 8-16-303.5.2 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 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 8-18-302 8-18-303 8-18-304 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**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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 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 8-19-320 8-19-321	Spray Equipment Limitations Solvent Evaporative Loss Minimization 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 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 8-49-303	Limits 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

VIII. TEST METHODS

**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
9-7-301	Emission Limits for Burning Gaseous Fuel	NOx: Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling 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 9-7-306	Natural Gas Curtailment, Non-Gaseous Fuel Equipment Testing, Non-Gaseous Fuel	NOx: Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling 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**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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 1935648317 , 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

Title V Renewal TBD, 2015
(Application # 18262)

Final Major Facility Review Permit Issuance December 1, 2003
(Application # 16468)

Final Issuance of Reopened Permit October 28, 2004
(Application # 8895)

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

X. Revision History

- 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, 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 sulfuric 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.

X. Revision History

This revision was also incorporated in the Source Specific Applicable Requirements and the Applicable Limits and Compliance Monitoring tables. In addition, the citation of 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 degreesC.

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_x 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.

Cl₂

chlorine

CO

Carbon Monoxide

CO₂

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

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.

XI. Glossary

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

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.

H2S

Hydrogen Sulfide

XI. Glossary

H₂SO₄

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.

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.

XI. Glossary

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_x

Oxides of nitrogen.

N-Serve

An agricultural product produced at this facility.

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.)

O₂

The chemical name for naturally-occurring oxygen gas.

XI. Glossary

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_x, PM₁₀, and SO₂.

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

PM₁₀

Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

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

~~[SB Latex/Rubber](#)~~

~~[Styrene butadiene latex/rubber, produced at this facility.](#)~~

SCR

XI. Glossary

A "selective catalytic reduction" unit is an abatement device that reduces NO_x 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_x 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.

SO₂

Sulfur dioxide

SO₂F₂

Sulfuryl fluoride

SO₃

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

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

XI. Glossary

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 SO₂ that will be present in the combusted fuel gas, since sulfur compounds are converted to SO₂ 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

Units of Measure:

bhp	=	brake-horsepower
btu	=	British Thermal Unit
C	=	degrees Celcius
cfm	=	cubic feet per minute
F	=	degrees Fahrenheit
f ³	=	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 ²	=	square meter
Mg	=	mega-gram, one thousand grams
µg	=	micro-gram, one millionth of a gram

XI. Glossary

min	=	minute
mm	=	millimeter
MM	=	million
MMbtu	=	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

~~XII. — APPLICABLE STATE IMPLEMENTATION PLAN~~

~~The Bay Area Air Quality Management District's portion of the State Implementation Plan can be found at EPA Region 9's website. The address is:~~

~~<http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District+Agency+Wide+Provisions>~~