Bay Area Air Quality Management District

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

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:

Corteva Agriscience
Facility #A0031

Facility Address:
901 Loveridge Road
Pittsburg, CA 94565

Mailing Address:
PO Box 1398
Pittsburg, CA 94565

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

Facility Contact
Marvin Louie, Environmental Specialist
Telephone #925 432-5525

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

BAAQMD Engineering Division Contact:
Irma Salinas

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Pamela J. Leong
Pamela J. Leong, Director of Engineering

April 15, 2020
Date

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I. STANDARD CONDITIONS

A. Administrative Requirements

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

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

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

1. This Major Facility Review Permit was issued on January 15, 2016 and expires on January 14, 2021. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than July 14, 2020 and no earlier than January 14, 2020. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after** January 14, 2021**.** If the permit renewal has not been issued by January 14, 2021, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407, & 409.6; MOP Volume II, Part 3, §4.2)

2. The permit holder shall comply with all Conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and Conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)

3. In the event any enforcement action is brought as a result of a violation of any term or Condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or Condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)

4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)

I. Standard Conditions

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

C. Requirement to Pay Fees

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

I. Standard Conditions

D. Inspection and Entry

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

E. Records

1. The permit holder must provide any information, records, and reports requested or specified by the APCO. (Regulation 1-441, Regulation 2-6-409.4)

2. Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of creation of the record. (Regulation 2-6-501, MOP Volume II, Part 3, §4.7)

F. Monitoring Reports

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. The first reporting period for this permit shall be December 1, 2003, to May 31, 2004. The report shall be submitted by June 30, 2004. Subsequent reports shall be for the following periods: June 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 by e-mail to compliance@baaqmd.gov or by postal mail to the following address:

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

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

G. Compliance Certification

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

I. Standard Conditions

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

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

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

H. Emergency Provisions

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

I. Severability

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

J. Miscellaneous Conditions

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

K. Accidental Release

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

II. EQUIPMENT

Table II A - Permitted Sources

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

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

II. Equipment

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

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

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

II. Equipment

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

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S-#	Description	Make or Type and Model	Capacity
428	H-300 Sym-Tet Processing (exempt per 2-1-123.3.2)	Dow Custom Design, 25 feet X 15 feet	
431	Carbon Tetrachloride Pressure Vessel D-260A	Pressure Tank, part splash/part submerged fill	36,625 gallons
432	Carbon Tetrachloride Pressure Vessel D-260B	Pressure Tank, part splash/part submerged fill	36,625 gallons
434	Manufacturing Services Facility	Columns, In-process Tanks, Driers	
435	T-126 N-Serve Distillation Vessel		
439	T-306 Sym-Tet Partially Chlorinated Heterocyclics Storage (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	28,000,000 BTU/hour
446	Sym-Tet Plant	Chemical Reactors, Columns, Tanks, and Compressors	
447	T-774	Fixed Roof Tank, part splash/part submerged fill	98,000 gallons
448	H-200 Sym-Tet (exempt per 2-1-123.3.2)	Dow Custom Design, Separation/purification	0.31 tons/hour
450	T-32A Sodium Hydroxide Storage (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
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	

II. Equipment

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

II. Equipment

Table II A - Permitted Sources

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

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

II. Equipment

Table II A - Permitted Sources

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

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

II. Equipment

Table II A - Permitted Sources

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

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

II. Equipment

Table II A - Permitted Sources

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

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

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) 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
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

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
55	Maintenance – packed bed scrubber	S-286	BAAQMD 6-301 6-310 6-311		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr
74	B-502 Caustic Scrubber – packed bed scrubber	S-389 (A-412 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	A-400 (S-400), 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		
85	B-102 Absorber – packed bed scrubber	S-44, S-434, S-454, S-516 (exempt), S-517 (exempt), S-576 (A-87 upstream)	BAAQMD 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

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
87	HCl Absorber/Heat Exchanger, H-109 – vapor recovery	S-44, S-434, S-454, S-516 (exempt), S-517 (exempt), S-576	BAAQMD 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
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
97	B-201 Organic Scrubber – packed bed scrubber	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

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
100	B-230 Scrubber – packed bed scrubber	S-474, S-476 (A-97 upstream)	BAAQMD 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-465 (A-95 upstream)	BAAQMD 6-301 6-310 6-311 Condition 23250		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr
125	Vapor Recovery System	S-321, S-322, S-323, S-324, S-535 (A-336 downstream)	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
139	Venturi Scrubber	S-584	BAAQMD 6-301 6-310 6-311 Condition 3500		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr
140	Specialty Chemicals Pressure Storage Tanks Vapor Balance System – vapor balance	S-580, S-581, S-582, S-583	Condition 3195		
144	Vapor Balance for DCP Unloading	S-5	BAAQMD 8-6-302.1 8-6-304 8-6-305 Condition 11276		
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.
153	Vapor Balance System for Dowanol PM Tank Truck Loading – vapor balance	S-6	Condition 11276		

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
154	Vent Recovery System H-320A&B, T-320 – water cooled Condenser	S-48, S-49, S-428, S-448	BAAQMD 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 deg F
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
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		

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
179	X-39/B-39 Scrubber System – packed bed and venturi scrubbers	S-644, S-645, S-646 (A-180 upstream)	BAAQMD 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
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
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.
199	Manufacturing Services Scrubber B-12 - Dow Design 26inch I.D. X 12feet Packed Bed Caustic Scrubber	S-4, S-434, S-454, S-576 (A-85, A-87 upstream)	BAAQMD 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		
205	R-503 Carbon Monoxide Scrubber	S-389, (A-74, A-75, A-76, A-80, A-77, A-147, A-149 upstream)	Condition 2039		CO shall not exceed 250 ppm @3% O_2.
206	ME-3220 Backup Carbon Adsorber	S-594, S-595, S-604, S-607, (A-147, A-149 upstream)	Condition 4780		POC emissions from the MEI plant do not exceed 8 pounds per day, averaged over each calendar month.

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
-336	Manufacturing Services Thermal Oxidizer – furnace/firebox	S-4, S-5, S-6, S-7, S-27, S-29, S-30, S-31, S-33, S-35, S-151, S-153, S-302, S-303, S-321, S-322, S-323, S-324, S-431 and S-432 if not operated as pressure vessels, S-434, S-482, S-492, S-521, S-535, S-631, S-641, S-644, S-645, S-648, S-649, S-650, S-651, S-652, S-662, S-663, S-664, S-701 (A-42, A-125, A-180, A-182 upstream)	BAAQMD 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
-389	Sym-Tet Thermal Oxidizer R-501 – furnace/firebox	S-5, S-6, S-7, S-27, S-29, S-30, S-31, S-33, S-35, S-44, S-151, S-153, S-302, S-303, S-446, S-482, S-519, S-520, S-521, S-641, S-662, S-663, S-664, (S-192 upstream)	BAAQMD 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	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

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
401	Acid Absorber, B-901	S-402, S-504, S-505, S-625	BAAQMD 6-301 6-310 6-311 Condition 2213 Condition 5147		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr
410	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
412	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
1011	Selective Catalytic Reduction System	S-1011	BAAQMD Condition #19356, part 3		9 ppmvd NO_x, @ 3% O_2, averaged over 3 hours

Table II C – Significant Sources

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

S-#	Description	Make or Type	Model	Capacity
	Cooling Tower			

III. GENERALLY APPLICABLE REQUIREMENTS

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

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

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

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

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

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

NOTE:

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

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

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

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

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

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

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

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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

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

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

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

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

All other text may be found in the regulations themselves.

Table IV – A
Source-Specific Applicable Requirements
Facility

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

IV. Source-Specific Applicable Requirements

Table IV – A
Source-Specific Applicable Requirements
Facility

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-501	Records	N	
8-5-502	Source Test Requirements	N	
SIP Regulation 8, Rule 5	**Organic Compounds – Storage of Organic Liquids (11/27/02)**		
8-5-328	Tank Degassing Requirements	Y	
8-5-501	Records	Y	
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	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 60, Subpart A	**Standards of Performance for New Stationary Sources (5/16/07): General Provisions**	Y	
60.4(b)	Reports to EPA and District	Y	
60.7	Notification and record keeping	Y	
60.8	Performance Tests	Y	
60.9	Availability of Information	Y	
60.11	Compliance with standards and maintenance requirement	Y	
60.12	Circumvention	Y	
60.13	Monitoring Requirements	Y	
60.19	General notification and reporting requirements	Y	
40 CFR, Part 63, Subpart A	**National Emission Standards for Hazardous Air Pollutants for Source Categories, General Provisions of MACT Standards (03/16/94)**		

IV. Source-Specific Applicable Requirements

Table IV – A
Source-Specific Applicable Requirements
Facility

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1	Applicability	Y	
63.2	Definitions	Y	
63.3	Units and Abbreviations	Y	
63.4	Prohibited activities and circumvention	Y	
63.5	Construction and Reconstruction	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.7	Performance testing requirements	Y	
63.8	Monitoring requirements	Y	
63.9	Notification requirements	Y	
63.10	Record keeping and reporting requirements	Y	
63.11	Control Device Requirements	Y	
63.12	State Authority and Delegations	Y	
63.13	Addresses of EPA Regional Offices	Y	
63.14	Incorporation by Reference	Y	
63.15	Availability of Information and confidentiality	Y	
40 CFR, Part 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	
63.52(h)	Enhanced monitoring	Y	
63.52(h)(i)	MACT emission limitations	Y	
63.52(h)(i)(1)	Compliance with all requirements applicable to affected sources, including compliance date for affected sources	Y	
63.53	Application content for case-by-case MACT determination	Y	
63.53(a)	Part 1 MACT application	Y	
63.53(b)	Part 2 MACT application	Y	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-Specific Applicable Requirements
Facility

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

IV. Source-Specific Applicable Requirements

Table IV – A
Source-Specific Applicable Requirements
Facility

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

IV. Source-Specific Applicable Requirements

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

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	
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	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 (4/17/03), See MACT Summary Tables at End of Section IV.**	Y	
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	

IV. Source-Specific Applicable Requirements

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

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	
40 CFR, Part 63, Subpart EEEE	**National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline) (2/3/04), See MACT Summary Tables at End of Section IV.**	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 1,3-dichloropropene loading (Cumulative Increase)	Y	
Part 5	Leak Inspection (8-6-306)	Y	
Part 6	Records (2-1-403, 2-6-501, 8-6-306, 8-6-501.2)	Y	

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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 – F
Source-Specific Applicable Requirements
S-27, Terminalized Product Storage T-605A
S-30, Material Flow Tank T-608B
Each Abated by S-336 or S-389, Thermal Oxidizers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
8-5-306	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	
SIP Regulation 8 Rule 5	**Organic Compounds – Storage of Organic Liquids (06/05/03)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
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	
40 CFR, Part 60, Subpart Kb	**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.		
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 – G
Source-Specific Applicable Requirements
[Tanks storing liquids with vapor pressure ≤ 0.5 psia]
S-28, T-605B Material Flow, S-36, N-Serve Plant Storage
S-45, T-1 N-Serve, S-56, T-31 N-Serve
S-57, T-32 N-Serve, S-61, T-780 N-Serve
S-62, T-781 N-Serve, S-63, T-782 N-Serve
S-346, T-241, S-372, T-20 Block 560 Storage Tank, Abated by A-400 (S-400), Thermal Oxidizer R-901
S-382, N-Serve Unit Storage T-783, S-383, Petroleum Hydrocarbon Distillate Tank
S-407, T-728 N-Serve Formulation Tank, S-447, T-774
S-466, Plant 663 T-408A Intermediate Product Storage
S-467, Plant 663 T-408B Intermediate Product Storage
S-498, Sym Tet T-102 Storage Tank

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD 8-5-117	Limited Exemption, Low Vapor Pressure ≤ 0.5 psia	N	
SIP 8-5-117	Limited Exemption, Low Vapor Pressure ≤ 0.5 psia	Y	
40 CFR, Part 63, Subpart EEEE	**National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline) (2/3/2004) This Only Applies To S-346 (T-241) and S-372 (T-20), See MACT Summary Tables at End of Section IV.**	Y	
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 – H
Source-Specific Applicable Requirements
[1.5 to 11 psia, > 75 M^3, 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 (10/18/06)**		
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	
8-5-306	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	
SIP Regulation 8 Rule 5	**Organic Compounds – Storage of Organic Liquids (06/05/03)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
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	
40 CFR Part 64	**Compliance Assurance Monitoring (S-151, T-614 Terminalized Products (See CAM Table at the end of this Section)**	Y	
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 – I
Source-Specific Applicable Requirements
S-40, Water Treatment HCl Storage T-24
Abated by A-175, Utilities T-24 Scrubber

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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**	
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	General Operations	Y	
6-401	Appearance of Emissions	Y	

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

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

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (7/20/05)**		
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	
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 EEEE	**National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline) (2/3/2004)** **This Only Applies To T-70 and T-74, See MACT Summary Tables at End of Section IV.**	**Y**	

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

Table IV – K
Source-Specific Applicable Requirements
[Pressure Tank < 75m^3]
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
BAAQMD Regulation 8 Rule 5	**Organic Compounds – Storage of Organic Liquids (10/18/06)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-112	Limited Exemption, Tanks in Operation	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	N	
8-5-328	Tank Degassing Requirements	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-501	Records	N	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	N	
SIP Regulation 8 Rule 5	**Organic Compounds – Storage of Organic Liquids (06/05/03)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
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 #5148			
Part 1	Minimum of 85% by weight control of organics or shall emit less than 15 lbs/day as carbon.	Y	
Part 4	Abatement Requirement (2-1-403)	Y	
Part 5	Recordkeeping (2-1-403, 2-6-501)	Y	

IV. Source-Specific Applicable Requirements

Table IV – L
Source-Specific Applicable Requirements
[Pressure Tank < 75m^3 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
BAAQMD Regulation 8 Rule 5	**Organic Compounds – Storage of Organic Liquids (10/18/06)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-112	Limited Exemption, Tanks in Operation	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	N	
8-5-328	Tank Degassing Requirements	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-501	Records	N	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	N	
SIP Regulation 8 Rule 5	**Organic Compounds – Storage of Organic Liquids (06/05/03)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-501	Records	Y	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	Y	
8-5-503	Portable Hydrocarbon Detector	Y	

IV. Source-Specific Applicable Requirements

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

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	
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	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	

IV. Source-Specific Applicable Requirements

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

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	Y	
8-19-321	Surface Preparation Standards	Y	
8-19-501	Records	Y	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-308	Operating Practices	Y	
8-7-315	Pressure Vacuum Valve Requirements, Underground Tanks	Y	
8-7-401	Equipment Installation and Modification	Y	
8-7-407	Periodic Testing Requirements	Y	
8-7-408	Periodic Testing Notification and Submission Requirements	Y	
8-7-501	Burden of Proof	Y	
8-7-502	Right of Access	Y	
8-7-503	Recordkeeping Requirements		
8-7-503.1	Gasoline Throughput Records	Y	
8-7-503.2	Maintenance Records	Y	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 #24289			
Part 1	Maximum Annual Gasoline Throughput (Regulation 2, Rule 5)	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 – P
Source-Specific Applicable Requirements
S-176 Chloralkali Cooling Tower H-1A, Abated by A-30, Chloralkali mist eliminator
S-177 Chloralkali Cooling Tower H-1B, Abated by A-31, Chloralkali mist eliminator
S-178 Chloralkali Cooling Tower H-2A, Abated by A-32, Chloralkali mist eliminator
S-179 Chloralkali Cooling Tower H-2B, Abated by A-33, Chloralkali mist eliminator

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	
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	General Operations	Y	
6-401	Appearance of Emissions	Y	

IV. Source-Specific Applicable Requirements

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

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

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

IV. Source-Specific Applicable Requirements

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

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 – T
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
40 CFR Part 64	**Compliance Assurance Monitoring (See CAM Table at the end of this section)**	**Y**	
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 – U
Source-Specific Applicable Requirements
S-323, Dryer, D-605A
S-324, Dryer, D-609
S-535, Portable Dryer, D-605B
Each Abated by S-336, Manufacturing Services Thermal Oxidizer

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

IV. Source-Specific Applicable Requirements

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

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	
8-5-302	Requirements for Submerged Fill Pipes	N	
8-5-307	Requirements for Fixed Roof Tanks	N	
8-5-328	Tank Degassing Requirements	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-501	Records	N	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	N	
SIP Regulation 8 Rule 5	**Organic Compounds – Storage of Organic Liquids (06/05/03)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-501	Records	Y	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	Y	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (7/20/05)**		
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)**	**Y**	
BAAQMD Condition #1785			
Part 2	Abatement Requirement (Cumulative Increase, 8-2-301)	Y	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 Condition #5722			
Part 2	Abatement Requirement (Regulation 2, Rule 5, 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.			

IV. Source-Specific Applicable Requirements

Table IV – W
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-410, B-16 Caustic Scrubber in series

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
#8894			
Part 2	Abatement Requirement (Cumulative Increase)	Y	
Part 10	Abatement Requirement (Cumulative Increase, Regulation 2, Rule 5)	Y	
Part 12	Abatement Requirement (Cumulative Increase, Regulation 2, Rule 5)	Y	
BAAQMD Condition #11276			
Part 1	Abatement Requirement (8-5-306, 8-6-302, 8-6-304)	Y	
Part 2	Vapor Tight Connections (8-5-306, 8-6-302)	Y	
BAAQMD Condition #14722			
Part 1	Abatement Requirement (Cumulative Increase, Offsets, 8-47-301)	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	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (7/20/05)**		
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)**	**Y**	
BAAQMD			

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition #1748			
Part 1	Abatement Requirement (Cumulative Increase)	Y	
BAAQMD Condition #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 and Oxidation Catalyst Operation (Cumulative Increase)	Y	
Part 13	Continuous Monitors (Cumulative Increase, BACT)	Y	
Part 14	Stack Height Requirements (Regulation 2, Rule 5)	N	
Part 15	Recordkeeping Requirement (Cumulative Increase, BACT, 2-6-501)	Y	
Part 16	Monitoring of pH (2-6-503)	Y	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #5722			
Part 2	Abatement Requirement (Regulation 2, Rule 5, 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	
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	

IV. Source-Specific Applicable Requirements

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

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	
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	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (7/20/05)**		
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	
9-1-302	General Emission Limitation	Y	
BAAQMD Regulation 9, Rule 7	**Inorganic Gaseous Pollutants –Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (5/4/11)**		
9-7-112	Limited Exemption, Low Fuel Usage – Section 9-7-307	N	
9-7-309	Low Fuel Usage Requirements – Section 9-7-307		
9-7-309.2	Tune once every 12 months		
9-7-504	Records	N	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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)**		
9-7-111	Limited Exemption, Low Fuel Usage – Section 9-7-301	Y	
9-7-304	Low Fuel Usage Requirements	Y	
9-7-304.2	Tune once every 12 months	Y	
9-7-504	Records	Y	
40 CFR Part 64	**Compliance Assurance Monitoring (See CAM Table at the end of this section)**	**Y**	
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	
Part 12	Recordkeeping Requirement (2-1-403, 2-6-501)	Y	

IV. Source-Specific Applicable Requirements

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

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	
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	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #5147			
Part 1	Abatement Requirement (Regulation 2, Rule 5)	N	
Part 2	Annual Throughput Limit (Regulation 2, Rule 5)	N	
Part 3	Recordkeeping Requirement (Regulation 2, Rule 5)	N	

IV. Source-Specific Applicable Requirements

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

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

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	
8-5-306	Requirements for Approved Emission Control Systems	N	
8-5-328	Tank Degassing Requirements	N	
8-5-331	Tank Cleaning Requirements	N	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-501	Records	N	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	N	
SIP Regulation 8 Rule 5	**Organic Compounds – Storage of Organic Liquids (06/05/03)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
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	
BAAQMD Condition #8894			
Part 1	Valve Type (Cumulative Increase, Regulation 2, Rule 5)	Y	
Part 2	Abatement Requirement (Cumulative Increase, Regulation 2, Rule 5)	Y	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (7/20/05)**		
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	
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 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	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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.**	**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 #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	
Part 7	Testing (Regulation 6-1-310, Regulation 2-1-403)	Y	
Part 8	Recordkeeping Requirement (Regulation 6-1-310, Regulation 2-1-403)	Y	
Part 9	Annual hydrochloric acid production limit and recordkeeping (Cumulative Increase, Regulation 2, Rule 5, 2-6-501)	Y	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
6-1-310.3	Heat Transfer Operation	Y	
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	
6-310.3	Heat Transfer Operation	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	
BAAQMD Regulation 9, Rule 7	**Inorganic Gaseous Pollutants –Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (5/4/11)**		
9-7-301	Interim Emission Limits	N	
9-7-301.1	NOx Emissions Limit 30 ppmv @3% O2	N	
9-7-301.4	CO Emissions Limit 400 ppmv@3% O2	N	
9-7-307.5	NOx Emission Limit 9 ppmv @ 3% O2, CO Emissions Limit 400 ppmv @ 3% O2.	N	
9-7-503	Records	N	
9-7-506	Periodic Testing	N	
SIP Regulation 9, Rule 7	**Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide (12/15/97)**		
9-7-301	Emission Limits for Burning Gaseous Fuel	Y	
9-7-301.1	NOx Emissions Limit	Y	
9-7-301.2	CO Emissions Limit	Y	
9-7-503	Records	Y	

IV. Source-Specific Applicable Requirements

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

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

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

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

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (7/20/05)**		
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	
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**

IV. Source-Specific Applicable Requirements

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

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

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

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

IV. Source-Specific Applicable Requirements

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

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

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

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	
6-1-310.3	Heat Transfer Operation	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	
6-310.3	Heat Transfer Operation	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	

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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	
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	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), See MACT Summary Tables at End of Section IV.**	Y	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #23250			
Part 1	Abatement Requirement (Cumulative Increase, Regulation 6, Rule 1)	Y	
Part 2	Requirement to measure pressure differential across A-95 Bag Filter. (6-1-301, 6-1-310, 6-1-311, 2-1-403)	Y	
Part 3	Requirement to inspect A-95 on a weekly basis. (2-1-403)	Y	
Part 4	Recordkeeping requirements. (Regulation 1-441)	Y	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (7/20/05)**		
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**

IV. Source-Specific Applicable Requirements

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

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 – AL
Source-Specific Applicable Requirements
S-483, 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	
BAAQMD Condition #24779			
Part 1	Fugitive Component Count (Cumulative Increase, Offsets, Regulation 2-5)	Y	
Part 2	Leak Standard for Valves (Regulation 8-18)	Y	
Part 3	Leak Standard for Flanges (Regulation 8-18)	Y	
Part 4	Fugitive component inspection frequency (Cumulative Increase, Regulation 8-18, Regulation 2-5)	Y	
Part 5	POC emission limit. (Cumulative Increase, Offsets)	Y	
Part 6	Reporting based on component leak rate (Cumulative Increase, Offsets)	Y	
Part 7	Recordkeeping (Recordkeeping, Offsets)	Y	

IV. Source-Specific Applicable Requirements

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

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	
8-5-306	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	
SIP Regulation 8 Rule 5	**Organic Compounds – Storage of Organic Liquids (06/05/03)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-306	Requirements for Approved Emission Control Systems (when operated with emission control system)	Y	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks (when operated as pressure tank)	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-501	Records	Y	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	Y	
8-5-503	Portable Hydrocarbon Detector	Y	

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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

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

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

IV. Source-Specific Applicable Requirements

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

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

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

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	
8-5-306	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	
SIP Regulation 8 Rule 5	**Organic Compounds – Storage of Organic Liquids (06/05/03)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (7/20/05)**		
8-2-301	Miscellaneous Operations	Y	
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 – AS
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
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	
SIP BAAQMD 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	General Operations	Y	
6-401	Appearance of Emissions	Y	

IV. Source-Specific Applicable Requirements

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

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	
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	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), See MACT Summary Tables at End of Section IV.**	Y	
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	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds – Storage of Organic Liquids (10/18/06)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-112	Limited Exemption, Tanks in Operation	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	N	
8-5-328	Tank Degassing Requirements	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-501	Records	N	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	N	
SIP Regulation 8 Rule 5	**Organic Compounds – Storage of Organic Liquids (06/05/03)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
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	
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 – AV
Source-Specific Applicable Requirements
S-584, Drum Filling Station
Filling Abated by A-139, Venturi Scrubber

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 #3500			
Part 1	Abatement Requirement	Y	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (7/20/05)**		
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)	N	
Part 3	Ammonia Emission Limit (Regulation 2, Rule 5)	N	
Part 5	Unidentified Emissions (Regulation 2, Rule 5)	N	
Part 11	Maximum Annual Rail Car Shipments (Cumulative Increase)	Y	
Part 12	Detectable Off-property Odors (7-301)	N	
Part 13	Handling of Product at Tank Truck Loading (Cumulative Increase; Regulation 2, Rule 5)	N	
Part 14	Product Loading Requirements (Cumulative Increase, Regulation 2, Rule 5)	Y	
Part 16	Recordkeeping Requirement (Cumulative Increase, 2-6-501)	Y	
Part 17	Abatement Requirements (Cumulative Increase)	Y	
Part 18	Source Test Requirement (Cumulative Increase)	Y	
Part 19	Abatement Requirement after MEI Phase I startup.	Y	
Part 20	Calculation of emissions from MEI Plant 640 to demonstrate compliance	Y	

IV. Source-Specific Applicable Requirements

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

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 5)	N	
Part 6	No Detectable Emissions (Cumulative Increase, Regulation 2, Rule 5)	Y	
Part 13	Material Handling and Tank Truck Trips Limit (Cumulative Increase, Regulation 2, Rule 5)	N	
Part 16	Recordkeeping Requirement (Cumulative Increase, 6-301, 2-6-501)	Y	

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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	
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	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	
BAAQMD Condition #4945			
Part 1	Abatement Requirement (2-1-403)	Y	
Part 2	Visible Emissions (6-301)	Y	
Part 3	Records (2-6-501, 6-301)	Y	

IV. Source-Specific Applicable Requirements

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

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	Y	
8-6-503	Burden of Proof	Y	
BAAQMD Condition #5384			
Part 1	Abatement Requirement	Y	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds – Storage of Organic Liquids (10/18/06)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-112	Limited Exemption, Tanks in Operation	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	N	
8-5-328	Tank Degassing Requirements	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-501	Records	N	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	N	
SIP Regulation 8 Rule 5	**Organic Compounds – Storage of Organic Liquids (06/05/03)**		
8-5-301	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	
40 CFR, Part 63, Subpart EEEE	**National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline) (2/3/2004), See MACT Summary Tables at End of Section IV.**	Y	
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 – BC
Source-Specific Applicable Requirements
S-631, Portable Resin Drier, D-203C
Abated by S-336, Manufacturing Services Thermal Oxidizer

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

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

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

IV. Source-Specific Applicable Requirements

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

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	
8-5-306	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	
SIP Regulation 8 Rule 5	**Organic Compounds – Storage of Organic Liquids (06/05/03)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
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	
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 – BF
Source-Specific Applicable Requirements
S-644, Hydrochloric Acid Storage Tank, T-34A
S-645, Hydrochloric Acid Storage Tank, T-34B
Both abated by A-179, X-39/B-39 Scrubber System or S-336,
Manufacturing Services Thermal Oxidizer

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
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	
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 – BG
Source-Specific Applicable Requirements
S-646, 36% Hydrochloric Acid Tank Truck Loading Operation
Abated by A-180, HCl Tank Truck Loading Vapor Return Line – Vapor Balance to A-179, X-39/B-39 Scrubber System or S-644, T-34A 36% HCl Storage Tank or S-645, T-34B 36% HCl Storage Tank or S-336, Manufacturing Services Thermal Oxidizer

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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	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	
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 – BH
Source-Specific Applicable Requirements
S-647, Catalytic Hydrogen Chloride Plant
Followed by S-648, Hydrogen Chloride Absorber E-277
Vents Abated by A-181, B-278 Packed Bed Column,
Followed by A-182, B-279 Packed Bed Column,
Followed by A
S-336, Manufacturing Services Thermal Oxidizer

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (7/20/05)**		
8-2-301	Miscellaneous Operations	Y	
40 CFR, Part 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	
BAAQMD Condition #8894			
Part 3	Venting Requirement (Cumulative Increase, Regulation 2, Rule 5)	Y	
Part 4	Pump Specifications (Cumulative Increase, Regulation 2, Rule 5)	Y	
Part 5	Pressure Relief Valve Specification (Cumulative Increase, Regulation 2, Rule 5)	Y	
Part 6	Valve Specification (Cumulative Increase, Regulation 2, Rule 5)	Y	
Part 8	Recordkeeping Requirement (Cumulative Increase, Regulation 2, Rule 5, 2-6-501)	Y	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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	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	
BAAQMD Condition #8894			
Part 10	Abatement Requirement (Cumulative Increase, Regulation 2, Rule 5)	Y	
Part 11	Monitoring of Organic Concentration (Cumulative Increase, Regulation 2, Rule 5)	Y	
Part 12	Monitoring and Shutdown (Cumulative Increase, Regulation 2, Rule 5)	Y	
Part 13	Annual POC and HCl Emission Limits (Cumulative Increase, Regulation 2, Rule 5)	Y	
Part 14	Recordkeeping Requirement (Cumulative Increase, Regulation 2, Rule 5, 2-6-501)	Y	

IV. Source-Specific Applicable Requirements

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

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	
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	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	
BAAQMD Condition #8894			
Part 16	Abatement Requirement (Regulation 2, Rule 5)	N	
Part 17	Recordkeeping Requirement (Regulation 2, Rule 5)	N	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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	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	
BAAQMD Condition #8894			
Part 19	Abatement Requirement (Regulation 2, Rule 5)	N	
Part 20	Recordkeeping Requirement (Regulation 2, Rule 5, 2-6-501)	Y	

IV. Source-Specific Applicable Requirements

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

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	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98) (for permanent confined blasting operation)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-311	General Operations	Y	
BAAQMD Regulation 12, Rule 4	**Miscellaneous Standards of Performance – Sandblasting (7/11/90) (for unconfined blasting operation)**		
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 (6-1-301/2-1-403)	Y	

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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 (7/20/05)**		
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	
SIP Regulation 8, Rule 10	**Organic Compounds – Process Vessel Depressurization (10/3/84)**		
8-10-301	Process Vessel Depressurizing	Y	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR Part 63, Subpart FFFF	**National Emission Standards for Hazardous Air Pollutants for – Miscellaneous Organic Chemical Manufacturing, See MACT Summary Tables at End of Section IV.**	**Y**	**compliance by 4 years, 6 months from Title V Renewal permit issuance date**
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 5, Offsets)	Y	
Part 8	Recordkeeping Requirement (Cumulative Increase, Offsets, Regulation 2, Rule 5, 2-6-501)	Y	

IV. Source-Specific Applicable Requirements

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

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	
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)**		
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	
SIP Regulation 8, Rule 10	**Organic Compounds – Process Vessel Depressurization (10/3/84)**		
8-10-301	Process Vessel Depressurizing	Y	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR Part 63, Subpart FFFF	**National Emission Standards for Hazardous Air Pollutants for – Miscellaneous Organic Chemical Manufacturing, See MACT Summary Tables at End of Section IV.**	**Y**	**compliance by 4 years, 6 months from Title V Renewal permit issuance date**
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 5)	Y	
Part 8	Recordkeeping Requirement (Cumulative Increase, Offsets, Regulation 2, Rule 5, 2-6-501)	Y	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds – Storage of Organic Liquids (10/18/06)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-112	Limited Exemption, Tanks in Operation	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	N	
8-5-328	Tank Degassing Requirements	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-501	Records	N	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	N	
SIP Regulation 8 Rule 5	**Organic Compounds – Storage of Organic Liquids (06/05/03)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
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 #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 – BS
Source-Specific Applicable Requirements
S-696, T-585, Pressure Tank [<75 m3]

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

IV. Source-Specific Applicable Requirements

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

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	
8-5-306	Requirements for Approved Emission Control Systems	N	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	N	
8-5-501	Records	N	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	N	
SIP Regulation 8 Rule 5	**Organic Compounds – Storage of Organic Liquids (06/05/03)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
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	
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	
BAAQMD Condition #16612			
Part 1	Annual Throughput Limit (Regulation 2, Rule 5)	N	
Part 2	Venting Requirement (8-5-301, 8-5-306 or 8-5-307)	Y	
Part 3	Recordkeeping Requirement (Regulation 2, Rule 5, 2-6-501, 8-5-501.1)	Y	

IV. Source-Specific Applicable Requirements

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

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	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-303	Ringelmann Number 2 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	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 Operations	N	
9-1-304	Fuel Sulfur Content Limitation	N	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants-Nitrogen Oxides from Stationary Engines (7/25/07)**		
9-8-110	Exemptions		
9-8-110.5	Limited Exemption Emergency Standby Engines	N	
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-330.1	Unlimited hours for emergency use	N	
9-8-330.3	50 hours for reliability and maintenance	N	
9-8-530	Emergency standby engines, monitoring and recordkeeping	N	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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)
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.	N	
93115.5(b)	Fuel Requirements	N	
93115.10	Recordkeeping, Reporting and Monitoring Requirements	N	
93115.10(a)	Reporting	N	
93115.10(c)	Demonstration of Compliance with Emission Limits	N	
93115.10(e)	Monitoring Equipment	N	
93115.10(g)	Monthly Log: Data Required	N	
93115.10(g).	Data Log Retention	N	
93115.12	Tiered Compliance Schedule	N	
BAAQMD Condition #22850			
part 1	50 hours/year for reliability-related testing. (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)	N	
part 2	Unlimited Emergency Use, (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)	N	
part 3	Totalizing Meter, (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)	N	
part 4	Recordkeeping, (Stationary Diesel Engine ATCM" section 93115, title 17 CCR, Regulation 2-6-501)	N	
part 5	Near School Conditions, (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)	N	

IV. Source-Specific Applicable Requirements

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

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	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-303	Ringelmann Number 2 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	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 Operations	N	
9-1-304	Fuel Sulfur Content Limitation	N	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants – Nitrogen Oxides from Stationary Engines (7/25/07)**		
9-8-110	Exemptions		
9-8-110.5	Limited Exemption Emergency Standby Engines	N	
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-330.1	Unlimited hours for emergency use	N	
9-8-330.3	50 hours for reliability and maintenance	N	
9-8-530	Emergency standby engines, monitoring and recordkeeping	N	
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)**

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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)	N	
93115.5(b)	Fuel Requirements	N	
93115.6(b)(3)(A)	PM Emission Standards & Maximum Hours of Operation for Maintenance and Testing (S-711)	N	
93115.6(b)(3)(B)	Applicable Emissions Standards for HC, NO_x, NMHC+NO_x, and CO (S-711)	N	
93115.10	Recordkeeping, Reporting and Monitoring Requirements	N	
93115.10(a)	Reporting	N	
93115.10(c)	Demonstration of Compliance with Emission Limits	N	
93115.10(e)	Monitoring Equipment	N	
93115.10(g)	Monthly Log: Data Required	N	
93115.10(g).	Data Log Retention	N	
93115.12	Tiered Compliance Schedule	N	
BAAQMD Condition #25675	This Condition applies to S-707 and S-708.		
part 1	50 hours/year for testing requirements under NFPA 25. (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)	N	
part 2	Unlimited Emergency Use (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)	N	
part 3	Totalizing Meter (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)	N	
part 4	Recordkeeping (Stationary Diesel Engine ATCM" section 93115, title 17 CCR, Regulation 2-6-501)	N	
part 5	Near School Conditions (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)	N	
BAAQMD Condition #22850	This Condition applies to S-711.		

IV. Source-Specific Applicable Requirements

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

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

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

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	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-303	Ringelmann Number 2 Limitation	Y	
6-305	Visible Particles	Y	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-310	Particulate Weight Limitation	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 Operations	Y	
9-1-302	General Emission Limitation	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants-Nitrogen Oxides from Stationary Engines (7/25/07)**		
9-8-110.5	Limited Exemption Emergency Standby Engines	N	
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-330.1	Unlimited hours for emergency use	N	
9-8-330.3	50 hours for reliability and maintenance	N	
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	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR Part 63 Subpart ZZZZ	**National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE) (1/30/2013), See MACT Summary Tables at End of Section IV.**	**Y**	**See 63.6595(b)**
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	

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

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

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/4/11)**		
1-520	Continuous Emission Monitoring	Y	
1-520.1	Monitoring of NOx, CO_2 or O_2	Y	
1-520.8	Monitors required per Reg. 2-1-403	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y	
1-522.1	Plans and Specifications	Y	
1-522.2	Installation Scheduling	Y	
1-522.3	Performance Testing	Y	
1-522.4	Periods of Non-operation Greater Than 24 Hours	Y	
1-522.5	Daily Calibration of Monitors	Y	
1-522.6	Accuracy	Y	
1-522.7	Excesses	Y	
1-522.8	Monthly Reports	Y	
1-522.9	Records	Y	
1-522.10	Monitors Required by Sections 1-521 or 2-1-403	Y	
1-602	Area and Continuous Emission Monitoring Requirements	Y	
BAAQMD Regulation 2, Rule 1	**Regulation 2, Rule 1 - Permits – General Requirements (3/4/09)**		
2-1-501	Monitors	Y	
BAAQMD Regulation 6, Rule 1	**Particulate Matter and Visible Emissions (12/5/07)**		
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-304	Tube Cleaning	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD			

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 Limitations	Y	
BAAQMD Regulation 9, Rule 3	**Inorganic Gaseous Pollutants – Nitrogen Oxides From Heat Transfer Operations (3/17/82)**		
9-3-303	New or Modified Heat Transfer Operation Limits	N	
BAAQMD Regulation 9, Rule 7	**Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (5/4/11)**		
9-7-117	Limited Exemption: Devices Rated 75 MMBtu/hr or Higher Limited to 9 ppm NOx.	N	
9-7-307	Final Emissions Limits (Not subject to 9-7-307.6 per 9-7-117)	N	
9-7-311	Insulation Requirements	N	
9-7-312	Stack Gas Temperature Limits	N	
9-7-503	Records	N	
9-7-503.4	Source test records	N	
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)(ii)	NOx Emission Limit	Y	
60.44b(h)	NOx limit applicable at all times	Y	

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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

Table IV – CC
Source-Specific Applicable Requirements
Components

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

IV. Source-Specific Applicable Requirements

Table IV – CC
Source-Specific Applicable Requirements
Components

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-18-303	Pumps and Compressors	N	
8-18-304	Connections	N	
8-18-305	Pressure Relief Devices	N	
8-18-306	Non-repairable Equipment	N	
8-18-307	Liquid Leak	N	
8-18-401	Inspection	N	
8-18-402	Identification	N	
8-18-403	Visual Inspection Schedule	N	
8-18-404	Alternative Inspection Schedule	N	
8-18-502	Records	N	
SIP Regulation 8, Rule 18	**Organic Compounds – Equipment Leaks (6/5/03)**		
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)**		

IV. Source-Specific Applicable Requirements

Table IV – CC
Source-Specific Applicable Requirements
Components

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
8-25-405	Pump and Compressor Identification	Y	
8-25-406	Leaking Pumps and Compressors	Y	
8-25-503	Records	Y	
BAAQMD Regulation 8, Rule 28	**Organic Compounds – Episodic Releases from Pressure Relief Devices at Petroleum Refineries and Chemical Plants (12/21/05)**		
8-28-401	Reporting at Petroleum Refineries and Chemical Plants	N	
8-28-402	Inspection	N	
8-28-404	Identification	N	
SIP Regulation 8, Rule 28	**Organic Compounds – Episodic Releases from Pressure Relief Devices at Petroleum Refineries and Chemical Plants (5/24/04)**		
8-28-401	Reporting at Petroleum Refineries and Chemical Plants	Y	
8-28-402	Inspection	Y	
8-28-404	Identification	Y	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
§63.163(b)(2)(i)	Phase I: 10,000 ppm or greater	Y	
§63.163(b)(2)(ii)	Phase II: 5,000 ppm or greater	Y	
§63.163(b)(2)(iii)	Phase III: 5,000 ppm or greater for pumps handling polymerizing monomers and 1,000 ppm or greater for all other pumps	Y	

IV. Source-Specific Applicable Requirements

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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)(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 ≥ 1,000 ppm is detected	Y	
§63.163(d)(1)	Calculation of percent leaking pumps on a process unit basis or on a source-wide basis	Y	
§63.163(d)(2)	Pumps Phase III: Quality improvement program for pumps must be implemented if > 10% of the pumps or 3 pumps in a process unit leak, calculated on a 6 month rolling average	Y	
§63.163(d)(3)	Calculation of number of pumps in a process unit	Y	
§63.163(d)(4)	Calculation of percent leaking pumps	Y	
§63.163(e)	Pump equipped with dual mechanical seal system including a barrier fluid system meeting specifications is exempt from (a) through (d) provided the requirements of 63.163(e)(1) – (e)(6) are met	Y	
§63.163(f)	Pump with no externally actuated shaft penetrating the pump housing is exempt from (a) through (c)	Y	
§63.163(i)	Process unit is exempt from (d) if more than 90% of the pumps in the unit meet (e) or (f)	Y	

IV. Source-Specific Applicable Requirements

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

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Table IV – CD
Source-Specific Applicable Requirements
MACT - Equipment Leaks Fugitive Components (Subpart H Fugitive Monitoring)
S-5, 720 Terminalized Products (Applicable when Subpart EEEE requires fugitive monitoring at S-5)
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S-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
§63.164(i)	Compressors emitting < 500 ppm is exempt from (a) through (h) if compliance is tested upon designation, annually, and another other times as requested	Y	
§63.165	Standards: Pressure relief devices in gas/vapor service	Y	
§63.165(a)	Except during releases, PRD operated at ≤ 500 ppm, except as in (b)	Y	
§63.165(b)(1)	After each pressure release, the PRD shall meet (a) as soon as practicable, but no later than 5 calendar days of release, except as in §63.171	Y	
§63.165(b)(2)	Monitoring to confirm (a) required no later than 5 calendar days after pressure release and being returned to service	Y	
§63.165(d)	PRD equipped with a rupture disk upstream of the PRD is exempt from (a) and (b) if rupture disk is replaced as soon as practicable, but no later than 5 calendar days, after each release	Y	
§63.166	Standards: Sampling connection systems	Y	
§63.166(a)	Sampling connection system shall be equipped with a closed-purge, closed-loop, or closed-vent system, except as in §63.162(b)	Y	
§63.166(b)	Closed-purge, closed-loop, or closed-vent system requirements	Y	
§63.166(c)	In-situ sampling systems and sampling systems without purges are exempt from (a) and (b)	Y	
§63.167	Standards: Open-ended valves or lines	Y	

IV. Source-Specific Applicable Requirements

Table IV – CD
Source-Specific Applicable Requirements
MACT - Equipment Leaks Fugitive Components (Subpart H Fugitive Monitoring)
S-5, 720 Terminalized Products (Applicable when Subpart EEEE requires fugitive monitoring at S-5)
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S-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
§63.167(a)(1)	Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or second valve, except as in §63.162(b) and (d) and (e)	Y	
§63.167(a)(2)	Cap, blind flange, plug, or second valve must seal at all times except during operations requiring flow through the valve/line, during maintenance, or repair	Y	
§63.167(b)	Second valve operated to close after the valve on the process fluid end closes	Y	
§63.167(c)	Bleed valve or line may be open during venting of the line between block valves only	Y	
§63.167(d)	Open-ended valves or lines in an emergency shutdown system that open automatically in the event of an upset are exempt from (a) - (c)	Y	
§63.167(e)	Open-ended valves or lines containing materials that would autocatalytically polymerize or would present an explosion, overpressure, or other safely hazard if capped are exempt from (a) – (c)	Y	
§63.168	Standards: Valves in gas/vapor service and in light liquid service	Y	
§63.168(a)	Requirements apply to valves in gas service or light liquid service	Y	
§63.168(b)	Monitoring required, except as in §63.162(b) and (h) and (i)	Y	
§63.168(b)(1)	Monitoring method in §63.180(b)	Y	
§63.168(b)(2)	Leak defined as:	Y	
§63.168(b)(2)(i)	Phase I: 10,000 ppm or greater	Y	
§63.168(b)(2)(ii)	Phase II: 500 ppm or greater	Y	

IV. Source-Specific Applicable Requirements

Table IV – CD
Source-Specific Applicable Requirements
MACT - Equipment Leaks Fugitive Components (Subpart H Fugitive Monitoring)
S-5, 720 Terminalized Products (Applicable when Subpart EEEE requires fugitive monitoring at S-5)
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S-446, Sym-Tet Plant Fugitive Components
S-458 T-80 Perchloroethylene Expansion Pressure Tank
S-482 Carbon Tetrachloride Loading Rack
S-483 Carbon Tetrachloride Loading Rack

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

IV. Source-Specific Applicable Requirements

Table IV – CD
Source-Specific Applicable Requirements
MACT - Equipment Leaks Fugitive Components (Subpart H Fugitive Monitoring)
S-5, 720 Terminalized Products (Applicable when Subpart EEEE requires fugitive monitoring at S-5)
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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
§63.169	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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Table IV – CD
Source-Specific Applicable Requirements
MACT - Equipment Leaks Fugitive Components (Subpart H Fugitive Monitoring)
S-5, 720 Terminalized Products (Applicable when Subpart EEEE requires fugitive monitoring at S-5)
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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§63.171(c)	Delay of repair for valves, connectors, agitators allowed if emissions from immediate repair exceed emissions from delay and when repair effected, purged material is collected/destroyed or recovered according to §63.172	Y	
§63.171(d)	Delay of repair for pumps allowed if repair requires replacing existing seal with better performing system, a dual mechanical seal system, the pump meets §63.163(f), or a closed vent system or control device meeting §63.163(g) and repair is completed as soon as practicable, but no later than 6 months from detection	Y	
§63.171(e)	Delay of repair of valve beyond process unit shutdown allowed if valve assembly replacement is necessary, valve supplies were sufficiently stocked but have been depleted. Delay of repair beyond second shutdown not allowed unless third shutdown occurs sooner than 6 months from first shutdown.	Y	
§63.173	Standards: Agitators in gas/vapor service and in light liquid service	Y	
§63.173(a)	Agitator: Monthly monitoring, except as in §63.162(b); leak is ≥ 10,000 ppm measurement	Y	
§63.173(b)	Agitator: Visual inspection for liquid leak weekly	Y	
§63.173(c)	Liquid leak repair as soon as practicable but no later than 15 calendar days after detection; first repair attempt within 5 calendar days	Y	

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

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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

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Table IV – CD
Source-Specific Applicable Requirements
MACT - Equipment Leaks Fugitive Components (Subpart H Fugitive Monitoring)
S-5, 720 Terminalized Products (Applicable when Subpart EEEE requires fugitive monitoring at S-5)
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S-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
§63.182	Reporting requirements	Y	
§63.182(a)	Reports to be submitted:	Y	
§63.182(a)(2)	Notification of Compliance Status	Y	
§63.182(a)(3)	Periodic Reports	Y	
§63.182(c)	Notification of Compliance Status content and deadline – date in §63.502(f) applies	Y	
§63.182(d)	Periodic Report content and deadline	Y	

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR, Part 60, Subpart Kb	**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.		
60.110b(a)	Except as provided in paragraph (b) of this section, the affected facility to which this subpart applies is each storage vessel with a capacity greater than or equal to 75 cubic meters (m3) that is used to store volatile organic liquids (VOL) for which construction, reconstruction, or modification is commenced after July 23, 1984.	Y	
60.110b(b)	This subpart does not apply to storage vessels with a capacity greater than or equal to 151 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.	Y	
60.112b(a)	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:	Y	
60.112b(a)(3)	A closed vent system and control device meeting the following specifications:	Y	
60.112b(a)(3)(i)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device no detectable emissions	Y	
60.112b(a)(3)(ii)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction	Y	
60.112b(b)	Closed vent system and control device	Y	
60.113b	Testing and Procedures	Y	
60.113b(c)	Testing and Procedures; Closed vent system and control device (not flare)	Y	

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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

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

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

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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

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

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

IV. Source-Specific Applicable Requirements

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

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

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

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

Table IV – CI
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40 CFR 63 Subpart EEEE Sources

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

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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

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

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

IV. Source-Specific Applicable Requirements

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

S-44 N-Serve Plant
S-302 Dowacil Train 1
S-303 Dowacil Train 2
S-434 Manufacturing Services
S-446 Sym-Tet Plant
S-474 Trifluro
S-476 Trifluro
S-593, Plant 640, Section 1
S-594, Plant 640, Section 2
S-595, Plant 640, Section 3
S-596, Plant 640, Section 4
S-693 Distillation System
S-695 Storage Tank, T-580
Storage Tanks that are currently subject to Subpart EEEE may become subject to Subpart FFFF requirements in the future.

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

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

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR Part 63, Subpart DDDDD	**National Emissions Standards for Hazardous Air Pollutants: Industrial, Commercial, and Institutional Boilers and Process Heaters (1/31/13)**	**Y**	**See 63.6595(b))**
63.7485	Am I subject to this subpart? 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 – CN
Source-Specific Applicable Requirements
40 CFR Part 64-Compliance Assurance Monitoring
S-151 T-614 Terminalized Products abated by S-336 or S-389
S-633 Water Treatment Carbon Beds Regeneration abated by S-336 or S-389
S-434, Carbon Tetrachloride Purification System, abated by S-336
S-446 Sym-Tet S-Plant abated by S-389
S-302 Dowicil Train 1, abated by S-336 or S-389
S-303 Dowicil Train 2 abated by S-336 or S-389
S-322 D-203 A/B Portable Dryers abated by S-336 or S-389
S-631 D-203 C Portable Resin Dryer abated by S-336 or S-389
S-504 Chlorinolysis Train 1 abated by A-400 (S-400)
S-505 Chlorinolysis Train 2 abated by A-400 (S-400)
Abatement Devices: S-336 Halogenated Acid Furnace: Manufacturing Services Thermal Oxidizer, S-389 R-501 Halogenated Acid Furnace: Sym-Tet Thermal Oxidizer, A-400 (S-400) R-901 Thermal Oxidizer

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

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

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

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
93115.10(d)	Monitoring Equipment	N	
93115.10(d)(1)	A non-resettable hour meter with a minimum display of 9999 hours shall be installed upon engine installation, or by no later than January 1, 2005; on all engines subject to all or part of the requirements of sections 93115.6, 93115.7, or 931115.8(a) unless the District determines on a case-by-case basis that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history		
93115.10(d)(3)	The District APCO may require the owner or operator to install and maintain additional monitoring equipment for the particular emission control strategy(ies) used to meet the requirements of sections 93115.6, 93115.7, or 93115.8(a)		
93115.10(f)	Monthly Log: Data Required	N	
93115.10(f)(2)	Data Log Retention	N	
93115.12	Tiered Compliance Schedule	N	
93115.13	Compliance Demonstration	N	
93115.15	Severability	N	
BAAQMD Condition 22850	This Condition applies to S-800.		
part 1	50 hours/year for maintenance and testing. (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)	N	
part 2	Unlimited Emergency Use, (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)	N	
part 3	Totalizing Meter, (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)	N	
part 4	Recordkeeping, (Stationary Diesel Engine ATCM" section 93115, title 17 CCR, Regulation 2-6-501)	N	
part 5	Near School Conditions, (Stationary Diesel Engine ATCM" section 93115, title 17 CCR)	N	

V. SCHEDULE OF COMPLIANCE

A. STANDARD SCHEDULE OF COMPLIANCE

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

B. CUSTOM SCHEDULE OF COMPLIANCE

None.

VI. PERMIT CONDITIONS

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

Condition # 503
Applications 30711, 9487, 16468, 25041
For S-460, Dowtherm Heater:

1. The owner/operator of S-460 shall only fire natural gas in the S-460 Heater. (Basis: Cumulative Increase)

2. The owner/operator of S-460 shall install and maintain a fuel gas flow meter. (Basis: Cumulative Increase)

3a. This part shall apply until 1/1/2014 or until the new ultra low NOx burner becomes operational. Except during periods of start-up or shutdown, the owner/operator of S-460 shall ensure that the concentration of nitrogen oxide (NOx) emissions from S-460 do not exceed 30 ppmvd at 3% oxygen. (Basis: BAAQMD Regulation 9-7-301)

3b. This part shall apply on and after 1/1/2014 or whenever the new ultra low NOx burner becomes operational. Except during periods of start-up or shutdown, the owner/operator of S-460 shall ensure that the concentration of nitrogen oxide (NOx) emissions from S-460 do not exceed 9 ppmvd at 3% oxygen. (Basis: BAAQMD Regulation 9-7-307.5)

4. Deleted.

5. Deleted.

6. Deleted.

7. In order to demonstrate compliance with part 3b, the owner/operator of S-460 shall conduct an initial compliance test to determine NOx and CO emissions within 90 days of operating the new ultra low NOx burner. The owner/operator shall conduct a source test for NOx and CO at least once every year (with test frequency being no less than 10 months and no more than 12 months from the last test date). The owner/operator shall notify the Manager of the District's Source Test Section at least seven (7) days prior to the test, to provide the District staff the option of observing the testing. Within 45 days of test completion, a comprehensive report of the test results shall be submitted to the Manager of the District's Source Test Section for review and disposition. (Basis: BAAQMD Regulation 9-7-307.5)

VI. Permit Conditions

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

Condition # 722
For S-496, Storage Tank Specialty Chemicals, T-241:

1. Safety relief valve and rupture disks will be installed and set at a minimum of 55 psia. (Basis: Cumulative Increase)

2. Any release shall be reported to the District as soon as practical, with due consideration for safety. (Basis: Cumulative Increase)

Condition # 1748
For S-519, Chlorinated Pyridine Storage Tank, T-502A:
For S-520, Chlorinated Pyridine Storage Tank, T-501B:
For S-389, Sym-Tet Thermal Oxidizer, R-501

1. S-519 and S-520 (T-502A and T-501B) shall be vented to S-389 Sym-Tet Thermal Oxidizer at all times that S-389 is operating. (Basis: Cumulative Increase)

2. S-519 and S-520 shall be blocked in with no detectable emissions whenever S-389 is not operating. (Basis: Cumulative Increase)

Condition #1785
Applications 960, 8997, 16468
For S-521, Water Treatment System - Steam Stripper;
S-641, T-440 Groundwater Treatment Plant Decant Tank
S-336, Manufacturing Services Thermal Oxidizer;
S-389, Sym-Tet Thermal Oxidizer, R-501

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

VI. Permit Conditions

2. All emissions from the S-521 Water Treatment System and S-641 shall be vented to either S-336 Manufacturing Services Thermal Oxidizer or S-389 Sym-Tet Thermal Oxidizer. (Basis: Cumulative Increase, BAAQMD Regulation 8-2-301)

3. S-521 Water Treatment System shall be shutdown whenever both S-336 and S-389 Thermal Oxidizers are out-of service. (Basis: Cumulative Increase, BAAQMD Regulation 8-2-301)

4. The owner/operator of S-521 shall maintain appropriate records to determine compliance with Condition, Part #3. These records shall be maintained for five years from the date of last entry and made available to District personnel upon request. (Basis: Cumulative Increase, BAAQMD Regulation 2-6-501, BAAQMD Regulation 8-2-301)

Condition # 2039
Applications 26939, 726, 12387, 16468, 8895, 18563, 28034
For S-389, Sym-Tet Thermal Oxidizer, R-501:
A-74, B-502 Caustic Scrubber
A-75, X-505 Particulate Scrubber
A-76, B-503A Carbon Adsorber
A-77, R-502 Nonselective Catalytic Reduction Unit
A-80, B-503B Carbon Adsorber
A-412; B-501 Acid Absorber
A-205, R-503 Carbon Monoxide Scrubber

1. The S-389 Sym-Tet Thermal Oxidizer R-501 combustion chamber shall operate at a minimum of 1000 degrees C (1830 degrees F) at all times that chlorinated liquids and/or gases are being burned. (Basis: Cumulative Increase, BACT)

2. S-389 shall operate with a minimum gas residence time of 0.9 seconds in the combustion chamber at all times that chlorinated liquids and/or gases are being burned. (Basis: Cumulative Increase, BACT)

3. S-389 shall be abated by A-412 Acid Absorber and A-74 Caustic Scrubber at all times that S-389 is operating. S-389 shall be abated by A-75 Particulate Scrubber at all times that S-389 is burning chlorinated hydrocarbon liquid. (Basis: Cumulative Increase, BACT, BAAQMD Regulation 6)

4. Carbon Monoxide (CO) emissions from S-389 shall not exceed 250 ppm at 3% oxygen. (Basis: Cumulative Increase, BACT)

VI. Permit Conditions

5. S-389 shall achieve a minimum organic Destruction Removal Efficiency of 99.99% (wt) for each POHC in the feed at all times. (Basis: Cumulative Increase)

6. Deleted.

7. Annual average liquid feed throughput for S-389 shall not exceed 45.1 gallons/hour. (Basis: Cumulative Increase)

8. Maximum daily liquid feed throughput for S-389 shall not exceed 70 gallons/hour. (Basis: Cumulative Increase, BACT)

9. The owner/operator of S-389 shall conduct a District approved source test every 6 months to demonstrate compliance with the CO limit in Part 4 and to determine NOx emission rates in each of the following operating modes (each liquid feed mode shall be tested at the nominal rate of 18-22 gallons/hour and at the maximum achievable rate, which shall not exceed 70 gallons/hour; all vent feed modes shall be tested at maximum venting rates):
   a. Reactor startup on methane firing only, no NSCR (A-77) abatement.
   b. Process vents and methane feed, no NSCR (A-77) abatement.
   c. Process vents, chlorinated hydrocarbon liquid, and methane feed, no NSCR (A-77) abatement.
   d. Process vents, chlorinated hydrocarbon liquid, and methane feed with NSCR (A-77) abatement.
   e. Process vents and methane feed with NSCR (A-77) abatement.

   The owner/operator shall notify the Manager of the District's Source Test Section at least seven (7) days prior to the test, to provide the District staff the option of observing the testing. (Basis: Cumulative Increase, BACT)

10. NOx emissions from S-389 shall not exceed 6194 pounds/year. The owner operator of S-389 shall submit the source test results for CO and a total NOx emission calculation based on the source test data from Condition, Part #9. The results of this source test and the corresponding emission calculations shall be summarized in a District approved format and submitted to the District's Engineering Division within 60 days of source test completion. (Basis: Cumulative Increase, BACT)

11. Carbon Adsorbers B-503 A and B (A-76 and A-80), and Oxidation Catalyst (A-205) shall operate at all times that the R-502 NSCR Unit (A-77) is operating except during 30 minute startup periods and 30 minute shutdown periods. (Basis: Cumulative Increase, BACT)

12. Deleted.

VI. Permit Conditions

13. The owner/operator of S-389 shall install District approved continuous monitors and recorders to measure the following:
    a. Chlorinated hydrocarbon liquid feed rate.
    b. S-389 O2 emission rate.
    c. S-389 combustion chamber temperature.
    d. A-77 NSCR Unit bypassing incidents and duration.
    (Basis: Cumulative Increase, BACT)

*14. The stack height of the NSCR Unit A-77 Main Stack (P-1) shall be at least 45 feet above grade. The stack height of the A-77 Bypass Stack (P-8) shall be at least 35 feet above grade. (Basis: Regulation 2, Rule 5)

15. The owner/operator of S-389 shall maintain appropriate records to determine compliance with all Permit Conditions. These records shall be kept for a minimum of five years from the date of last entry and shall be made available to District personnel upon request. (Basis: Cumulative Increase, BACT, BAAQMD Regulation 2-6-501)

16. The pH of the A-74, B-502 Caustic Scrubber, shall be maintained at a minimum pH of 7.35 as measured and recorded on an hourly rolling average value whenever liquid feed or process vents are fed to the Thermal Oxidizer, S-389. (Basis: BAAQMD Regulation 2-6-503)

Condition # 2213
Applications 183, 1243, 5926, 16468
For A-400 (S-400), Thermal Oxidizer R-901
S-504**,** Chlorinolysis Train 1 (R-1001, R-1002, B1001)
S-505**,** Chlorinolysis Train 2 (R-1003 & R-1004)
For A-79, Packed Scrubber B-902
A-401**,** Acid Adsorber B-901

1. Deleted

2. Deleted

3. Emissions from A-400 Thermal Oxidizer shall be vented through the A-401 Acid Absorber and the A-79 Packed Scrubber at all times that A-400 is operating. (Basis: Cumulative Increase, BAAQMD Regulation 6)

4. The organic emissions from Chlorinolysis Train 1 (S-504) shall not exceed 15.75 pounds/hour averaged over any 3 hour sampling period, and before abatement by A-400. Compliance with this limit shall be demonstrated by measurement of total

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

Q, gpm = 26.4E6/(500.4*TOC)

(Basis: Cumulative Increase)

5. The organic emissions from Train 2 (S-505) shall not exceed 1.5 pounds/hour averaged over any 3 hour sampling period. (Basis: Cumulative Increase)

6. Deleted.

7. Emissions from S-504 and S-505, Chlorinolysis Trains 1 and 2, shall be abated by A-400, Thermal Oxidizer, whenever operating. (basis: Cumulative Increase, BAAQMD Regulation 8-2-301)

8. The A-400 Thermal Oxidizer shall achieve a minimum 64% (wt) Organic Destruction/ Removal Efficiency at all times. (basis: BAAQMD Regulation 8-2-301)

9. The A-400 Thermal Oxidizer shall operate at a minimum operating temperature of 800 degrees C (1472 degrees F) at all times that organic gases are being processed. To demonstrate compliance with this temperature limit, the owner/operator shall operate a continuous temperature monitor and recorder. (basis: BAAQMD Regulation 8-2-301/BAAQMD 2-1-403)

10. Deleted

11. Deleted

12. The owner/operator shall maintain the following records:
    a. TOC measured for each batch of water processed at S-504 in ppm;
    b. Q, the maximum allowable liquid feed rate for each batch in gallons/minute, calculated from the equation in Part 4 above;
    c. The actual liquid feed rate for each tank of water processed at S-504 in gallons per minute;
    d. Temperature controller setpoint for A-400;
    e. Starting date and time, and duration of each Allowable Temperature Excursion;
    f. Measured temperature during each Allowable Temperature Excursion;
    g. Number of Allowable Temperature Excursions per month, and total number for the current calendar year; and
    h. All strip charts or other temperature records.

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

Condition # 2501
Applications 2211, 11115
For S-321, Dryer, D-608A:
For S-322, Portable Dryers, D-203A/B:
For S-323, Dryer, D-605A:
For S-324, Dryer, D-609:
For S-336, Manufacturing Services Thermal Oxidizer
For S-535, Portable Dryer, D-605B

1. During all regenerations of Resin Bed Driers D-605A (S-323), D-605B (S-535), D-608A (S-321), and D-609 (S-324), emissions shall be vented to the properly operating S-336, Manufacturing Services Thermal Oxidizer. (Basis: BAAQMD Regulation 8-1-110.3 for S-323, S-324, S-535; Voluntary Limit for S-321*)

*2. S-322, Resin Bed Driers D-203 A/B shall be vented to the S-336, Manufacturing Services Thermal Oxidizer during regeneration procedures that occur while S-336 is operating. S-336 shall only be bypassed when it is out-of-service. (Basis: Voluntary Limit)

3. The owner/operator of Resin Bed Driers S-321, S-322, S-323, S-324, and S-535 shall maintain records of S-336, Manufacturing Services Thermal Oxidizer operating time, and drier regeneration time and date, in order to confirm compliance with Parts #1 and #2. These records shall be kept for a minimum of five years from the date of last entry and shall be made available to District personnel upon request. (Basis: BAAQMD Regulation 2-6-501, BAAQMD Regulation 8-1-110.3)

Condition # 3195
Application 3376
For S-580, Specialty Chemicals Storage Tank, T-3A:
For S-581, Specialty Chemicals Storage Tank, T-3B:
For S-582, Specialty Chemicals Storage Tank, T-215:
For S-583, Specialty Chemicals Storage Tank, T-200:
For A-140, Vapor Balance System

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1. Storage tanks S-580, S-581, S-582, and S-583 shall be abated by the A-140, Vapor Balance System during all tank filling operations. (Basis: BAAQMD Regulation 2-1-403)

2. S-580, S-581, S-582, and S-583 shall be vapor tight with no detectable organic emissions except during connection and disconnection of the A-140, Vapor Balance System. Connection and disconnection procedures shall be performed in a manner that minimizes organic emissions. (Basis: BAAQMD Regulation 8-5-307)

3. The tanks S-580, S-581, S-582, and S-583 may not store any liquid containing organic compounds with a vapor pressure greater than 0.5 psia. (Basis: BAAQMD Regulation 2-1-301)

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

Condition # 3500
Application Number: 3818
S-584 abated by A-139

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

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Condition # 4780
Applications 4128, 16468, 8894, 14456, 25436, 26077
Permit Conditions for Sources
S-593, Plant 640, Section 1
S-594, Plant 640, Section 2
S-595, Plant 640, Section 3
S-596, Plant 640, Section 4
S-604, Truck Loading Facility Plant 640 S-607, T-1904 Plant
640 Abated by:
A-146, Packed Bed NMP Scrubber B-3000
A-147, B-3210 Packed Bed Water Scrubber
A-148, Packed Bed Water Scrubber B-3200/B-3201
A-149, B-1303 Packed Bed Water Scrubber
A-206, ME-3220 Backup Carbon Adsorber
S-336, Manufacturing Services Halogen Acid Furnace

1. The owner/operator shall ensure that the combined emissions of precursor organic compounds (POC) to the atmosphere from the MEI Plant 640 (S-593, S-594, S-595, S-596) do not exceed 8 pounds per day, averaged over each calendar month. (Basis: Cumulative Increase)

*2. The owner/operator shall ensure that the combined emissions of 4-amino-3,5 dichloro-2,6 difluoro pyridine to the atmosphere from the MEI Plant 640 do not exceed 0.02 pounds on any day. (Basis: Regulation 2, Rule 5)

*3. The owner/operator shall ensure that the combined ammonia emissions to the atmosphere from the MEI Plant 640 do not exceed 0.02 pounds on any day and that the exhaust concentration does not exceed 200 ppm. (Basis: Regulation 2, Rule 5)

4. Deleted.

*5. If any source test conducted for this plant identifies the emission of any compound not identified in the below listing, then the owner/operator shall submit 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

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Ethylene Glycol
Fully Halogenated Heterocycle (FHC)
Ammonia
Potassium Chloride
Potassium Hydroxide
Chloroform
Trichloroethylene
1,1,1,2-Tetrachloroethane
Perchloroethylene
Carbon Tetrachloride
Methylene Chloride
Vinyl Chloride
1,1 Dichloroethylene
(Basis: BAAQMD Regulation 2, Rule 5)

6. The owner/operator shall ensure that the there are no detectable organic emissions from Tank Truck Loading at source S-604. "Detectable emissions" for the purpose of this permit condition is defined as 100 ppm organic as methane measured 1 cm from the source using an FID, OVA, or equivalent monitoring device. (Basis: Cumulative Increase, Regulation 2, Rule 5)

7. Deleted.

8. Deleted.

9. Deleted.

10. Deleted.

11. The owner/operator shall ensure that total rail car shipments for the MEI Plant 640 (S-593, S-594, S-595, and S-596) do not exceed 562 cars per consecutive 12-month period. (Basis: Cumulative Increase)

*12. The owner/operator shall ensure that MEI Plant 640 (S-593, S-594, S 595, and S-596) does not cause any detectable off-property odors as defined in District Regulation 7. The owner/operator of Plant 640 shall take immediate measures to eliminate any suspected or identified odorous emissions to the satisfaction of the APCO. (Basis: BAAQMD Regulation 7-301)

*13. The owner/operator shall ensure that 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

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

14. The owner/operator shall ensure that the MEI Plant 640 (S-593, S-594, S-595, and S-596) product (herbicide intermediate) is loaded only in solid form, with sufficient moisture present to prevent visible emissions and odors from occurring at the loading site. (Basis: Regulation 2, Rule 5, Cumulative Increase)

15. Deleted.

16. To demonstrate compliance with these conditions, the owner/operator of S-593, S-594, S-595, S-596, and S-604 shall maintain the following records:
    a. The number of railcar shipments received for materials to be used at the MEI Plant 640 and offsite railcar shipments from the MEI Plant 640, totaled each month for the previous 12-month period;
    b. Records indicating whether the emissions from A-147 and A-149 are abated at S-336, or A-206;
    c. Records of the number of hours that the emissions from A-147 and/or A-149 are vented to A-206, summed each month for the previous 12-month period;
    d. A summary of the hours of A-206 use since last carbon changeout. After 96 hours of use on a carbon bed, record of carbon changeout or daily records of the monitored inlet and outlet organic compound concentrations for A-206 for each day of use until carbon changeout;
    e. Records of all source tests performed to demonstrate compliance with Part 1, 2, 3, and 5; upon receipt of the startup source test results for the Phase II modifications to the MEI Plant 640, the records must also include a POC emission factor derived from the source test to be used for compliance calculations until the subsequent source test;
    f. Effective after receipt of the startup source test results for the Phase II modifications to the MEI Plant 640: Monthly POC emission calculations to demonstrate compliance with Part 1. These records shall be kept on file for a minimum of five years and shall be made available to District personnel upon request.
    g. The number of tank truck trips received for materials to be used at the MEI Plant 640. Totaled each month for the previous 12-month period.

    (Basis: Cumulative Increase, BAAQMD Regulation 2-6-501)

17. The owner/operator shall ensure that the A-147 Scrubber abates S-593, S-594, S-596, and S-607 at all times each source is operating. The owner/operator shall ensure that the A-149 Scrubber abates S-595 at all times S-595 is generating ammonia emissions. (Basis: Cumulative Increase)

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18. To demonstrate compliance with the emission limits in Parts 1, 2 and 5 the owner/operator shall perform a District-approved source test to measure the combined POC, organic toxic air contaminants, and ammonia emissions from A-147 and A-149 no later than 60 days from the startup of the Phase II modifications to the MEI Plant 640 and at least once every 5 years thereafter. The source test results shall be used to determine emission factors to be used to demonstrate compliance in parts 1, 2, and 3. The owner/operator shall obtain approval of all source test procedures from the District's Source Test Section prior to conducting any tests and shall notify the Manager of the District's Source Test Section, in writing, of the source test protocols and the projected test dates at least seven (7) days prior to the test. Within 60 days of test completion, a comprehensive report of the test results shall be submitted to the Manager of the District's Source Test Section for review and disposition. (Basis: Cumulative Increase)

19. The following abatement requirements will become effective upon startup of the Phase I modifications to the MEI Plant 640: The owner/operator shall ensure that S-595 is abated by A-147 whenever S-595 is operating and not being abated by A-149. The owner/ operator shall ensure that the emissions from A-147 and A-149 are further abated at either S-336, or at the Backup Carbon Adsorber, A-206. (Basis: Cumulative Increase)

20. Beginning with the source test performed after startup of the Phase II modifications to the MEI Plant 640 (required by Part 18 above) and for every subsequent source test, the owner/operator shall derive a POC emission factor from each source test for use in calculation of POC emissions to the atmosphere from the MEI Plant 640 to demonstrate compliance with Part 1. This emission factor shall be used to calculate POC emissions on a monthly basis until the next source test is performed and a new emission factor is derived. The POC emissions to the atmosphere from the MEI Plant 640 shall be calculated as the combined emissions from A-147 and A-149, reduced by:
    a. 99.99% by weight for the periods that the A-147/A-149 vents were directed to S-336, or
    b. 90% by weight for the periods that the A-147/A-149 vents were directed to A-206.

    (Basis: Cumulative Increase)

21. Upon startup of the Phase I modifications to the MEI Plant 640, the owner/operator shall ensure that the A-206 Backup Carbon Adsorber is equipped with at least 1800 pounds of activated carbon whenever A-206 is in use. (Basis: BAAQMD Regulation 2-1-301)

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22. Upon startup of the Phase I modifications to the MEI Plant 640, the owner/operator shall ensure that use of A-206 to abate the emissions from A-147 or A-149 does not exceed 1,440 hours in any consecutive 12-month period. (Basis: Cumulative Increase)

23. Upon startup of the Phase I modifications to the MEI Plant 640, the owner/operator shall ensure that the A-206 Backup Carbon Adsorber reduces inlet POC emissions by at least 90% by weight. Compliance with this abatement efficiency shall be monitored by tracking hours of use of each carbon bed. After 96 hours of use, the owner/operator must either changeout the carbon bed or monitor abatement efficiency each day A-206 is in use by measuring both the inlet and outlet organic compound concentrations. The owner/ operator must install fresh carbon in A-206 when the outlet organic concentration reaches 10% of the inlet concentration. During the carbon changeout, if S-593, S-594, S-595, or S-596 is operating, the emissions from A-147 and A-149 shall be abated at the in-line spare carbon bed or at S-336. (Basis: Cumulative Increase)

24. Within 45 days of startup of the Phase II modifications to the MEI Plant 640, the owner/operator shall provide a final valve, flange, pump, and other component count for the modified MEI Plant 640 (S-593, S-594, S-595, S-596). This submittal shall also include revised fugitive emission calculations for the MEI Plant 640 based on the final component count. (Basis: Cumulative Increase)

Condition # 4945
A/N 5925, 16468
For S-620, HCL Truck Loading Station
A-165, HCl Truck Loading Scrubber System:

1. The scrubber A165 shall be properly installed and properly maintained and shall allow no visible or odorous emissions from S-620. (Basis: BAAQMD Regulation 2-1-403)

2. Effective 60 days after the issuance of the Major Facility Review Permit, the S-620 HCl Truck Loading Station shall be checked for visible emissions on a daily basis whenever HCl trucks are loaded. The visible emission check shall be performed while the equipment is operating and during daylight hours. If visible emissions are detected, the operator shall take corrective action and check for visible emissions during the next loading event. (Basis: BAAQMD Regulation 6-1-301)

3. The owner/operator of S-620 shall maintain records of all visible emission check results and description of any corrective action taken. These records shall be kept

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

Condition # 5147
Application 5928
For S-402, Acid Storage Tank T-901
A-79, Packed Bed Scrubber B-902:
A-401, Acid Absorber B-901

*1. S-402 shall be vapor tight and vented to a properly operating and properly maintained Acid Absorber (A-401) and Packed Bed Scrubber B-902 (A-79) whenever S-402 is operating. (Basis: Regulation 2, Rule 5)

*2. The throughput at S-402 shall not exceed 200,000 gallons of 36% hydrochloric acid in any 12-month period. (Basis: Regulation 2, Rule 5)

*3. The owner/operator of S-402 shall maintain appropriate records to confirm compliance with Part #2. These records shall be kept on file for at least five years and shall be made available to District personnel upon request. (Basis: Regulation 2, Rule 5)

Condition # 5148
Applications 4459, 16468, 9327
Conditions for S-48, T19A N-Serve;
S-49, T19B N-Serve;
S-428, H-300 Sym-Tet Processing (exempt per 2-1-103),
S-448, H-200 Sym-Tet (exempt per 2-1-103); and
A-154, Vent Recovery System H-320A & B, T-320

1. The Vent Recovery System (A-154) shall achieve either a minimum of 85% (by weight) control of organic compounds or shall emit less than 15 lbs/day as carbon. (Basis: BAAQMD Regulation 8-1-110.3 or BAAQMD Regulation 8-2-301)

2. During the freeze cycle, the temperature of the vapor stream exiting the Heat Exchanger shall not exceed 60 degrees C (140 degrees F). (Basis: BAAQMD Regulation 8-1-110.3 or BAAQMD Regulation 8-2-301/BAAQMD 2-1-403)

3. The owner/operator of the A-154 Vent Recovery System shall continuously monitor the pressure drop across the Heat Exchangers and the temperature of the

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

4. N-Serve Product Storage Tanks (S-48 and S-49), H-300 Sym-Tet Processing (S-428), and H-200 Sym-Tet (S-448) shall be abated by the Vent Recovery System (A-154) at all times that these sources are operating or contain organic liquid. (Basis: BAAQMD Regulation 8-1-110.3 or BAAQMD Regulation 8-2-301/BAAQMD 2-1-403)

5. The owner/operator of A-154 shall maintain records of (1) the pressure drop across the Heat Exchangers, and (2) the temperature of the exit vapor stream. These records shall be kept on file for a minimum of five years and shall be made available to District personnel upon request. (Basis: BAAQMD Regulation 2-6-501, BAAQMD Regulation 8-1-110.3 or BAAQMD Regulation 8-2-301/BAAQMD 2-1-403)

Condition # 5336
A/N 6300
For S-631, Portable Resin Drier, D-203C
S-336, Manufacturing Services Thermal Oxidizer:

1. The Portable Resin Drier D-203C (S-631) shall be abated by the properly operating and properly maintained Manufacturing Services Thermal Oxidizer (S-336) at all times that the resin drier is operating. (Basis: Cumulative Increase)

2. There shall be no detectable fugitive emissions from the piping or equipment associated with S-631. (Basis: Cumulative Increase)

3. The owner/operator of S-631 shall maintain appropriate records to confirm that S-631 was only operated while the S-336 Thermal Oxidizer was operating. These records shall be kept on file for at least five years from the date of entry and shall be made available to District personnel upon request. (Basis: Cumulative Increase, BAAQMD Regulation 2-6-501)

Condition # 5384
Conditions for A-168:
1. The Vapor Balance System (A-167) shall be properly maintained and operated during all times that the Chlorinated Pyridine Truck Loading Equipment (S-622) is operating.

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Condition # 5385
Applications 5926, 8548
For S-446, Sym-Tet Plant:
Conditions for A-168, B-609 Emergency Backup Caustic Scrubber:

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

Condition # 5722
For S-633, Water Treatment System
S-336, Manufacturing Services Thermal Oxidizer
S-389, Sym-Tet Thermal Oxidizer R-501:

1. S-633 Water Treatment System shall be vapor-tight with no detectable organic emissions from the granular activated carbon (GAC) beds (T-441, T-443, T-445), H-441 heat exchanger, and the associated valves and piping. (Basis: Regulation 2-5, Regulation 8-1-110.3/2-1-403)

2. All emissions from the regeneration of the S-633 water treatment system shall be vented to either the S-336 Manufacturing Services Thermal Oxidizer or S-389 Sym-Tet Thermal Oxidizer. (Basis: Regulation 2-5, Regulation 8-1-110.3/2-1-403)

3. The S-633 regeneration process shall be shut down whenever both S-336 and S-389 Thermal Oxidizers are out-of-service. (Basis: Regulation 2-5, Regulation 8-1-110.3/2-1-403)

4. The owner/operator of S-633 shall maintain appropriate records to verify compliance with Part #3. These records shall be retained on-site for a period of five years from the date of last entry and made available to District personnel upon request. (Basis: Regulation 2, Rule 5, BAAQMD Regulation 2-6-501, BAAQMD Regulation 8-1-110.3/ BAAQMD 2-1-403)

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Condition # 6859
Applications 26910, 7308, 12387, 11902, 16468, 8895, 28034
Conditions for S-336, Manufacturing Services Thermal Oxidizer
A-21, B-15 Manufacturing Services Scrubber
A-54, B-15 Demister
A-410, B-16 Caustic Scrubber
A-86, B-14A & B Karbate Acid Absorber:

1. The liquid waste feed rate to S-336 shall not exceed 650 lbs/hr. (Basis: BAAQMD Regulation 2-1-403)

2. Effluent flow from Manufacturing Services Thermal Oxidizer (S-336) shall be routed to Stack P-260 per the following sequence: B-13 Quench, B-14A and B-14B Absorbers (A-86), B-15 Absorber (A-21) with Demister (A-54), B-16 Caustic Scrubber (A-410). (Basis: BAAQMD Regulation 2-1-403)

3. Nitrogen oxide (NOx) 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. (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

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

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

Condition # 7775
Application 9233, 16468
For S-644, T-34A Hydrochloric Acid Storage Tank**,**
S-645, T-34B Hydrochloric Acid Storage Tank, and
S-646**,** 36% Hydrochloric Acid Tank Truck Loading Operation
A-179, X-39/B-39 Scrubber System
A-180, HCl Tank Truck Loading Vapor Balance
S-336, Manufacturing Services Thermal Oxidizer:

1. Combined throughput of hydrochloric acid at S-644 and S-645 shall not exceed 3,000,000 gallons in any consecutive 12-month period. (Basis: BAAQMD Regulation 2-1-403)

2. S-644 and S-645 shall be abated by either A-179 or S-336 at all times. A-179 shall be properly maintained and operated at all times that it is abating S-644 and S-645. (Basis: BAAQMD Regulation 2-1-403)

3. Throughput of 36% hydrochloric acid at S-646 shall not exceed 3,000,000 gallons in any consecutive 12-month period. (Basis: BAAQMD Regulation 2-1-403)

4. S-646 shall be abated by A-180 at all times. A-180 shall be properly maintained and operated at all times. A-180 shall be vented to either S-644, S-645, A-179, or S-336 at all times. (Basis: BAAQMD Regulation 2-1-403)

5. In order to demonstrate compliance with Parts 1 and 3, hydrochloric acid throughput at S-644, S-645, and S-646 shall be recorded in a District-approved log. These records shall be kept on site, summarized on a monthly basis, and made available for District inspection for a period of five years from the date on which a record is made. (Basis: BAAQMD Regulation 2-1-403, BAAQMD Regulation 2-6-501, BAAQMD Regulation 6-1-301)

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Condition # 8591
Applications 9831, 16468
For S-654, Abrasive Blasting Operation
Abated by A-185, Eagle Containment Screens:

1. Total throughput of blast media (grit type) used for confined abrasive blasting at S-654 shall not exceed 270.4 tons in any consecutive twelve month period. (Basis: Cumulative Increase)

2. Total throughput of blast media (grit type) used for unconfined abrasive blasting at S-654 shall not exceed 33.8 tons in any consecutive twelve month period. (Basis: Cumulative Increase, BACT)

3. The owner/operator of S-654 shall maintain monthly records of blast media type and throughput; description of object resurfaced and, if necessary, method of blasting to demonstrate compliance with BAAMQD Regulation 12, Rule 4 requirements; certifications for all abrasives used in any unconfined dry blasting; and screen inspection results and the date of any repairs in a District-approved log. These records shall be retained on site for a minimum of five years from the date of entry and made available to District representatives upon request. (Basis: Cumulative Increase, BACT, BAAQMD Regulation 2-6-501)

4. Only California Air Resources Board-approved blast media shall be used for unconfined abrasive blasting. (Basis: BACT)

5. The A-185 Eagle Containment Screens at the S-654 Abrasive Blasting Operation shall be inspected on a weekly basis for screen integrity. If a hole is found in the screen it shall be repaired before the next confined blasting event. (Basis: BAAQMD Regulation 6-301/BAAQMD 2-1-403)

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Condition # 8894
Application 9962, 17824, 16468, 8894
For S-431, Carbon Tetrachloride Pressure Vessel, D-260A:
For S-432, Carbon Tetrachloride Pressure Vessel, D-260B:
For S-647, Catalytic Hydrogen Chloride Plant:
For S-648, Hydrogen Chloride Adsorber, E-277:
For S-649, HCL Storage Tank, V-277:
For S-650, HCL Storage Tank, V-280A:
For S-651, HCL Storage Tank, V-280B:
For S-652, HCL Storage Tank, V-280C:
A-181, B-278 Packed Bed Column
A-182, B-279 Packed Bed Column
A-184, ME 290A/B Carbon Beds
S-336, Manufacturing Services Thermal Oxidizer
Catalytic Hydrogen Chloride Plant

Conditions for S-431 & S-432

1. All valves in carbon tetrachloride service at S-431 and S-432 shall be of the "leakless" type (i.e. bellows sealed or diaphragm type). (Basis: Cumulative Increase, Regulation 2, Rule 5)

2. All emissions from S-431 and S-432 shall be abated by S-336 Thermal Oxidizer at all times. When S-336 Thermal Oxidizer is not in operation, S-431 and S-432 shall be operated as pressure vessels, with no emissions to the atmosphere. (Basis: Cumulative Increase, Regulation 2, Rule 5)

Conditions for S-647

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

4. All pumps utilized in carbon tetrachloride service at S-647 shall be of the magnetic, coupled, sealess type. (Basis: Cumulative Increase, Regulation 2, Rule 5)

5. All pressure relief valves (PRVs) utilized in carbon tetrachloride service at S-647 shall be equipped with upstream rupture disks or soft-seats (O-Rings). (Basis: Cumulative Increase, Regulation 2, Rule 5)

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6. All valves in carbon tetrachloride service at S-647 shall be of the "leakless" type (i.e. bellows sealed or diaphragm type). (Basis: Cumulative Increase, Regulation 2, Rule 5)

7. Deleted.

8. The owner/operator of S-647 shall maintain monthly records of carbon tetrachloride throughput in a District-approved log. These records shall be retained on site for a minimum of five years from the date of entry and made available to District representatives upon request. (Basis: Cumulative Increase, Regulation 2, Rule 5, BAAQMD Regulation 2-6-501)

Conditions for S-648

*9. Deleted.

10. S-648 shall be abated by A-181 (B-278) Packed Bed Scrubber and A-182 (B-279) Packed Bed Scrubber, in series. The A-182 Packed Bed Scrubber shall be vented to S-336 Thermal Oxidizer. (Basis: Cumulative Increase, Regulation 2, Rule 5)

11. Deleted

12. Deleted

13. Deleted

14. The owner/operator of S-648 shall maintain the following records in a District-approved log:
    a. total hydrochloric acid throughput on a daily basis,
    These records shall be retained on site for a minimum of five years from the date of entry and made available to District representatives upon request. (Basis: Cumulative Increase, Regulation 2, Rule 5, BAAQMD Regulation 2-6-501)

Conditions for S-649

*15. Deleted.

*16. S-649 shall be abated by A-181 (B-278) Packed Bed Scrubber and A-182 (B-279) Packed Bed Scrubber, in series. (Basis: Regulation 2, Rule 5)

*17. The owner/operator of S-649 shall maintain records of hydrochloric acid throughput in a District-approved log. These records shall be retained on site for a minimum of five years from the date of entry and made available to District

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

Conditions for S-650, 651, & 652

*18. Deleted.

*19. S-650, S-651, & S-652 shall be abated by A-181 (T-278) Packed Bed Scrubber and A-182 (T-279) Packed Bed Scrubber, in series. (Basis: Regulation 2, Rule 5)

*20. The owner/operator of S-650, S-651, & S-652 shall maintain records of hydrochloric acid throughput in a District-approved log. These records shall be retained on site for a minimum of five years from the date of entry and made available to District representatives upon request. (Basis: Regulation 2, Rule 5, BAAQMD Regulation 2-6-501)

Condition # 11054
Application 12515, 23595
Conditions for S-444, Dowtherm Heater, U-183:

1. The Dowtherm Heater (S-444) shall burn natural gas only. (Basis: BACT)

2a. This part shall apply until 1/1/2012. Except during periods of start-up or shutdown, the concentration of nitrogen oxide (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)

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 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

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

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

Condition # 11276
Applications 31263, 4451, 12387, 16468, 14909, 21795
For S-5, 720 Terminalized Products:
For S-6, 725 Terminalized Products:
For S-7, 725 Block Truck Loading:
For S-27, Terminalized Product Storage, T-605A:
For S-29, Terminalized Products, T-608A:
For S-30, Material Flow Tank, T-608B:
For S-31, Terminalized Products, T-609:
For S-33, Terminalized Products, T-727:
For S-35, Terminalized Products, T-773:
For S-151, Terminalized Products, T-614:
For S-153, Terminalized Products, T-604:
For S-482, Carbon Tetrachloride Rail Car Loading:
For S-483, Carbon Tetrachloride Rail Car Loading:
A-144, Vapor Balance System for 1,3-Dichloropropene Unloading
S-336, Manufacturing Services Thermal Oxidizer
S-389, Sym-Tet Thermal Oxidizer R-501

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

S-5	S-27	S-31	S-151	S-482
S-6	S-29	S-33	S-153	S-483
S-7	S-30	S-35		

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

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2. All of the sources listed in Part #1 shall have vapor tight connections to S-336 and S-389 with no detectable organic emissions. (Basis: BAAQMD Regulation 8-5-306, BAAQMD Regulation 8-6-306)

3. The Vapor Balance System for 1,3-dichloropropene (DCP) tank truck or railcar unloading (A-144) shall be properly maintained and operated and shall abate S-5 during any DCP unloading operation. (Basis: Cumulative Increase)

*4. The Vapor Balance System for Dowanol PM tank truck loading (A-153) shall be properly maintained and operated and shall abate S-6 during any Dowanol PM loading operation. (Basis: Voluntary Limit)

5. During all loading of non-exempt products at S-5, S-6, S-7, and S-482, the operator shall confirm that the vapor return line is registering vacuum before connecting the line. The operator shall also verify that there is a leak tight connection to the tank truck or railcar. (Basis: BAAQMD Regulation 8-6-306)

6. The owner/operator shall maintain records for all non-exempt product loading events, including the date, verification of vacuum, and leak tight connection to the tank truck or railcar. These records shall be retained on site for a minimum of five years from the date of entry and made available to District personnel upon request. (Basis: BAAQMD Regulation 2-1-403, BAAQMD Regulation 2-6-501, BAAQMD Regulation 8-6-306, BAAQMD Regulation 8-6-501.2)

Condition # 14354
Application 16743, 16468
Conditions for S-680, Pressure Tank, T-440
S-681, Truck Transfer
A-191, Carbon Tetrachloride Tank Truck Loading Vapor Return Line:

1. The total carbon tetrachloride throughput for S-680 shall not exceed 5,669 gallons (74,720 pounds) during any consecutive 12-month period, except during tank interior inspections or in case of an emergency repair. (Basis: Cumulative Increase)

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

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

Conditions for S-681, Truck Transfer:

4. S-681 Carbon Tetrachloride Tank Truck Transfer Operation shall be abated by A-191 Vapor Balance System whenever carbon tetrachloride is being transferred from S-680 Storage Tank to tank truck, or vice versa. (Basis: Cumulative Increase, BAAQMD Regulation 8-6-302.1)

5. During all loading/unloading events at S-681, the operator shall confirm that the vapor return line is properly connected. The operator shall also verify that there is a leak tight connection to the tank truck. (Basis: BAAQMD Regulation 8-6-302, BAAQMD Regulation 8-6-304, BAAQMD Regulation 8-6-305, BAAQMD Regulation 8-6-306)

6. The owner/operator shall maintain records for all loading/unloading events, including the date, and verification of leak tight connection to the tank truck. These records shall be retained on site for a minimum of five years from the date of entry and made available to District personnel upon request. (Basis: BAAQMD Regulation 2-6-501, BAAQMD Regulation 8-6-302, BAAQMD Regulation 8-6-304, BAAQMD Regulation 8-6-305, BAAQMD Regulation 8-6-306)

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Condition # 14438
Application 16769, 8894, 11244
Conditions for S-302, Dowicil Train 1;
S-303, Dowicil Train 2;
S-662, Storage Tank, T-243;
S-663, Storage Tank, T-242;
S-664, Storage Tank, T-244; and
A-192, Vent Recovery System
S-336, Manufacturing Services Thermal Oxidizer
S-389, Sym-Tet Thermal Oxidizer R-501

1. Deleted.

2. Deleted.

3. The Dowicil Plant, Trains 1 and 2 (S-302 and S-303), shall be abated by the properly operated and properly maintained A-192, Dowicil Plant Solvent Recovery System, during all hours of operation of S-302 and S-303. (Basis: BACT)

4. Emissions from the methylene chloride Storage Tanks (S-662, S-663, and S-664) shall be controlled by one of the following methods at all times:
   a. Each tank shall be equipped with a pressure-vacuum valve set to 10 psig or higher, or
   b. Each tank shall be abated by the A-192 Dowicil Solvent Recovery System, or
   c. Each tank shall be abated by the S-389 Thermal Oxidizer, or
   d. Each tank shall be abated by the S-336 Thermal Oxidizer.
   (Basis: Cumulative Increase, BAAQMD Regulation 8-5-306 or 307)

5. The A-192 Dowicil Solvent Recovery System shall be vented to the S-389 Thermal Oxidizer or the S-336 Thermal Oxidizer at least 89.0% of the total annual Dowicil Plant operating time. (Basis: BACT)

6. The A-192 Dowicil Plant Solvent Recovery System shall emit no more than 1233 pounds per day of methylene chloride. (Basis: BACT)

7. The owner/operator of A-192 shall demonstrate compliance with Part #6 by:
   a. Measuring the gas flow rate from A-192 (Q in cubic feet per hour) on a continuous basis, integrated over a 24 hour period,
   b. Measuring the temperature of the gas exiting A-192 (T in degrees F) on a continuous basis, integrated over a 24 hour period, and

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

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

Where,
E = methylene chloride emissions from A-192, pounds/day
Q = measured gas flow rate from A-192, cubic feet/hour
H = operating time for A-192, hours/day
T = measured temperature of gas from A-192, degrees F
P = vapor pressure of a gas saturated with methylene chloride at the measured temperature, mm Hg

(Basis: BACT)

8. The owner/operator of S-302, S-303, S-662, S-663, and S-664 shall demonstrate compliance with Parts #3 through #7 by maintaining the following records in a District approved log book:
   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)

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Condition # 15932
Application 18750, 16468, 8894
For S-693, Distillation System:
For S-694, Reaction/HCL Absorption System:
For S-695, Storage Tank, T-580:
For S-696, Storage Tank, T-585:
For S-697, ISO Container Loading Operation:
For S-699, Purge Tank/Drum Loading Operation:
A-194, X-600 Venturi
A-195, B-615 Scrubber

Conditions for S-693 and S-694

1. Emissions from S-693 and S-694 combined shall not exceed 56.9 pounds of precursor organic compounds (POC) in any consecutive twelve-month period. (basis: Cumulative Increase, Offsets)

2. The owner/operator shall ensure that A-194 Venturi Scrubber X-600 abates S-693 Distillation System at all times. (basis: Regulation 2, Rule 5, Offsets)

3. The owner/operate shall operate A-194 Venturi Scrubber X-600 such that its alkali solution circulation rate is maintained at a minimum of 17 gallons per minute whenever FTF is being processed at S-693. (basis: Regulation 2, Rule 5, Offsets)

4. Deleted.

5. Deleted.

6. The owner/operator shall ensure that A-195 Packed Bed Scrubber B-615 abates S-694 Reaction/HCL Absorption System at all times. (basis: Cumulative Increase, Regulation 2, Rule 5)

7. The owner/operator shall ensure that the alkali solution circulation rate at A-195 Packed Bed Scrubber B-615 is maintained at a minimum of 50 gallons per minute whenever organic material is being processed at S-694. (basis: Cumulative Increase, Regulation 2, Rule 5)

8. The owner/operator of S-693 and S-694 shall maintain records of FTF and CTC throughput and alkali solution circulation rates for A-194 and A-195 on a weekly basis in a District-approved log. The POC emissions from S-693 and S-694 shall be calculated on a monthly basis to demonstrate compliance with Part 1. These

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

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

9. Emissions from sources S-695, S-696, and S-697 combined shall not exceed 198.9 pounds of POC in any consecutive twelve-month period. (basis: Cumulative Increase)

10. S-695 and S-696 may not store any liquid containing organic compounds with a vapor pressure greater than 0.5 psia. (Basis: BAAQMD Regulation 2-1-301)

11. Deleted.

12. The owner/operator shall ensure that S-697 ISO Container Loading Operation is abated by a properly connected and operated vapor balance system whenever FTF is being transferred from S-695 and/or S-696 Storage Tanks to ISO containers. (basis: Cumulative Increase)

13. The owner/operator of S-695, S-696, and S-697 shall maintain the following records in a District-approved log:
    a. FTF throughput at S-695, S-696, and S-697 as well as throughput and vapor pressure of any other liquid stored on a weekly basis,
    b. the date and verification of leak tight connection at S-697, and
    c. calculations of POC emissions from S-695, S-696, and S-697 on a monthly basis for the previous 12-month period to demonstrate compliance with Part 9.

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

Conditions for S-699

14. The owner/operator shall ensure that the distillation system purge stream (halogenated pyridine) throughput at S-699 Purge Tank/Drum Loading does not exceed 30,000 gallons totaled over any consecutive twelve month period. (basis: Cumulative Increase)

15. The owner/operator of S-699 shall maintain records of distillation system purge stream throughput on a weekly basis in a District-approved log. These records shall be retained on site for a minimum of five years from the date of entry and

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

Condition # 15944
Applications 18794, 8894
Conditions for S-684, Dowicil Packaging System
A-193, Cartridge Dust Collector System:

1. Abated particulate emissions (PM10) from S-684 shall not exceed 2.3 lbs in any consecutive 12-month period. (basis: Cumulative Increase)

2. S-684 shall be abated by A-193 Cartridge Dust Collector whenever S-684 is in operation. (basis: Cumulative Increase, BAAQMD Regulation 6-1)

3. The owner/operator of A-193 shall monitor backpressure on a weekly basis to ensure that the automatic pulsejet cleaning cycle is operating properly. (basis: BAAQMD Regulation 2-1-403, BAAQMD Regulation 6-1)

4. The owner/operator of S-684 shall maintain records of material throughput on a monthly basis and A-193 back pressure readings on a weekly basis in a District-approved log. Particulate emissions shall be calculated each month to demonstrate compliance with Part 1. These records shall be retained on site for a minimum of five years from the date of entry and made available to District personnel upon request. (basis: Cumulative Increase, BAAQMD Regulation 1-441, BAAQMD Regulation 2-6-501, BAAQMD Regulation 6-1, BAAQMD Regulation 2-1-403)

Condition # 16612
Conditions for S-701, Storage Tank
S-336, Manufacturing Services Thermal Oxidizer:

*1. The total amount of organic materials stored at S-701 shall not exceed 100,000 gallons during any consecutive 12-month period. (Basis: Regulation 2, Rule 5)

2. The S-701, Storage Tank, shall either be vented to the S-336, Manufacturing Services Thermal Oxidizer, or be operated as a vapor tight pressure tank. (Basis: BAAQMD Regulation 8-5-301, BAAQMD Regulation 8-5-306 or 307)

3. In order to demonstrate compliance with Part #1, the owner/operator of S-701 shall maintain monthly records of the type and amount of materials stored at S-701. All records shall be kept on site for at least 5 years from the date of entry and

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

Condition # 17985
Applications 2160, 6290, 11591, 16468, 14668
For S-4, Central Rail Loading Rack, Acid, TC-1;
For S-434, Manufacturing Services Facility;
For S-576, HCl Storage Tank, T-122;
For A-85, B-102 Absorber;
A-87, HCl Absorber/Heat Exchanger H-109;
A-199, Caustic Scrubber;
S-336, Manufacturing Services Thermal Oxidizer

1. The owner/operator shall not operate the HCl Rail Car Loading Operations (S-4) unless it is abated by either the S-336 Thermal Oxidizer, or by A-199 Caustic Scrubber, during all times that hydrochloric acid is being loaded. (Basis: BAAQMD Regulation 6-1-310 and BAAQMD Regulation 7-300/BAAQMD Regulation 2-1-403)

2. The owner/operator shall ensure emissions from the S-434 Manufacturing Services Facility are abated by either the Manufacturing Services Thermal Oxidizer (S-336) or the Acid Absorbers (A-87 and A-85) and A-199 Caustic Scrubber in series or the Caustic Scrubber (A-199). (Basis: BAAQMD Regulation 6-1-310 and BAAQMD Regulation 7-300/BAAQMD Regulation 2-1-403)

3. The owner/operator shall ensure the Hydrochloric Acid Storage Tank T-122 (S-576) is abated by the properly operating Acid Absorbers (A-87 and A-85) and the Caustic Scrubber (A-199), in series, at all times when S-576 is operating. (Basis: BAAQMD Regulation 6-1-310 and BAAQMD Regulation 7-300/BAAQMD Regulation 2-1-403)

4. The owner/operator shall allow no detectable leaks in Storage Tank T-122 (S-576) or the piping to abatement devices A-87, A-85, and A-199. (Basis: BAAQMD Regulation 6-1-310 and BAAQMD Regulation 7-300/BAAQMD Regulation 2-1-403)

5. The owner/operator shall ensure that S-576 is blocked in, with no detectable emissions, whenever A-87, A-85, or A-199 is out of service. (Basis: BAAQMD Regulation 6-1-310 and BAAQMD Regulation 7-300/BAAQMD Regulation 2-1-403)

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6. The owner/operator shall ensure that the pH at the A-199 Caustic (NaOH) Scrubber is greater than or equal to 8.5 and that the caustic concentration is greater than 1% by weight of sodium hydroxide (NaOH). (Basis: BAAQMD Regulation 6-1-310/BAAQMD Regulation 2-1-403)

7. The owner/operator shall test the caustic solution in the A-199 Caustic Scrubber at least once per calendar day to determine pH and weight percent of NaOH concentration. (Basis: BAAQMD Regulation 6-1-310/BAAQMD Regulation 2-1-403)

8. The owner/operator shall maintain daily records of all test results from Part 7 above. All records shall be retained on site for a minimum of five years from the date of entry and shall be made available to District personnel upon request. (Basis: BAAQMD Regulation 2-6-501, BAAQMD Regulation 6-1-310/BAAQMD Regulation 2-1-403)

9. The owner/operator shall ensure that the total amount of hydrochloric acid produced at the S-434 Manufacturing Services Facility shall not exceed 108,300 tons of hydrochloric acid (calculated as 36% HCl) during any consecutive 12 month period. In order to demonstrate compliance with this part, the Permit Holder shall maintain monthly records of the total amount of 36% HCl produced at S-434. These records shall be kept onsite or made available for District staff upon request for at minimum of five years from the entry date. (Basis: Cumulative Increase, Toxic Risk Management Policy, BAAQMD Regulation 2-6-501)

Condition # 19356
Revised 11/19/02

1. The owner/operator shall insure that the S-1011 Boiler be fired exclusively with natural gas at a firing rate not to exceed 306.5 MMBtu/hr. [Basis: BACT, Cumulative Increase]

2. The owner/operator shall insure that the S-1011 Boiler be abated by the properly operated and maintained A-1011 Selective Catalytic Reduction System (SCR) during normal operations. The boiler may be operated without SCR provided the NOx mass limit in Condition #3 is met. [Basis: BACT]

3. The owner/operator shall insure that the emissions of nitrogen oxides (NOx) not exceed 9 ppmv (reference 3 percent O2, dry), averaged over any rolling 3 hour period, when firing natural gas with SCR. When the heat input to the boiler drops below 76 MMBtu/hr (25% of rated heat input), the NOx concentration may

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exceed 9 ppmv (reference 3 percent 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).

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13. Cumulative emissions from the S-1011 Boiler shall not exceed the following limits during any consecutive twelve-month period:
    a. 6.0 tons of NOx (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 NOx, 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 NOx, CO, POC and SO2.
    e. Monthly records shall be totaled for each consecutive 12-month period
    f. Monitoring of a pollutant not measured by the CEM shall use a District approved calculation based on source testing.

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

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

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

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

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

Condition # 19724
For S-709, IC Engine Backup Generator, 471A:

*1. Hours of Operation: The emergency standby engine (S-709) shall only be operated to mitigate emergency conditions or for reliability-related activities. Operation while mitigating emergency conditions is unlimited. Operation for reliability-related activities is limited to 50 hours per any calendar year per engine. (Basis: BAAQMD Regulation 9-8-330)

*2. "Emergency Conditions" is defined as any of the following:
   a. Loss of regular natural gas supply.
   b. Failure of regular electric power supply.
   c. Flood mitigation.
   d. Sewage overflow mitigation.
   e. Fire.
   f. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor.

   (Basis: BAAQMD Regulation 9-8-231)

*3. "Reliability-related activities" is defined as any of the following:
   a. Operation of an emergency standby engine to test its ability to perform for an emergency use, or
   b. Operation of an emergency standby engine during maintenance of a primary motor.

   (Basis: BAAQMD Regulation 9-8-232)

*4. The emergency standby engine (S-709) shall be equipped with either:
   a. a non-resettable totalizing meter that measures and records the hours of operation for the engine, or
   b. a non-resettable fuel usage meter.

   (Basis: BAAQMD Regulation 9-8-530)

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*5. Records: The Permit Holder shall maintain the following records in an APCO-approved log:
   a. Monthly records of the total hours of operation for the engine (S-709).
   b. Monthly records of any hours of operation for emergency conditions.
   c. For each emergency, describe the nature of the emergency condition.

   All records shall be kept on site for at least five years from the date of entry and shall be made available for District inspection upon request. These record keeping requirements do not replace the record keeping requirements contained in any applicable rules or regulations. (Basis: BAAQMD Regulation 1-441, BAAQMD Regulation 2-6-501, BAAQMD Regulation 9-1-304, and BAAQMD Regulation 9-8-530)

Condition #20666
Dow Chemical Company, Plant #31
Application #10213

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.

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 overfill prevention devices ("flapper valves"), a Drop Tube Overfill Prevention Device and Spill Container Drain Valve Leak Test (TP201.1D) at least once in each 36- month period. Measured leak rates of each component shall not exceed the levels specified in VR-102. The applicant shall notify Source Test by email at gdfnotice@baaqmd.gov 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).

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Condition #20826
Application 16468
For: S-286, Railcar Purging Facility at Car-Barn
Abated by A-55, Maintenance – Packed Bed Scrubber

1. Effective 60 days after the issuance of the Major Facility Review Permit, the S-286, Railcar Purging Facility at Car-Barn shall be checked for visible emissions on a daily basis whenever HCl railcars are being purged. The visible emission check shall be performed while the equipment is operating and during daylight hours. If visible emissions are detected, the operator shall take corrective action and check for visible emissions following the corrective action. (Basis: BAAQMD Regulation 6-1-310/BAAQMD Regulation 2-1-403)

2. The operator shall maintain records of all visible emission check results and any corrective actions taken. These records shall be kept on site for a minimum of five years from the date of entry and shall be made available to District personnel upon request. (Basis: BAAQMD Regulation 2-6-501, BAAQMD Regulation 6-1-310/BAAQMD Regulation 2-1-403)

Condition # 21059
Application 16468
S-28, T-605B Material Flow
S-36, N-Serve Plant Storage
S-45, T-1 N-Serve
S-56, T-31 N-Serve
S-57, T-32 N-Serve
S-61, T-780 N-Serve
S-62, T-781 N-Serve
S-63, T-782 N-Serve
S-346, T-241
S-372, T-20 Block 560 Storage Tank
S-382, N-Serve Unit Storage T-783
S-383, Petroleum Hydrocarbon Distillate Tank
S-407, T-728 N-Serve Formulation Tank
S-447, T-774
S-466, Plant 663 T-408A Intermediate Product Storage
S-467, Plant 663 T-408B Intermediate Product Storage
S-498, Sym Tet T-102 Storage Tank
S-625, T-610 Perc Expansion Tank

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

VI. Permit Conditions

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

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

Condition #21061
Application 16468
For S-229, Latex Plant Tank Car Unloading

1. During all unloading events the operator shall confirm that the vapor return line is connected. The operator shall also verify that there is a leak tight connection between the tank car and the off load line. (Basis: BAAQMD Regulation 8-6-302, BAAQMD Regulation 8-6-304, BAAQMD Regulation 8-6-306)

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

Condition #22850
S-800, Diesel Engine Backup Generator

1. The owner/operator shall not exceed 50 hours per year per engine for reliability-related testing. [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

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

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3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained. [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

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

   [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

5. At School and Near-School Operation: If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply:
   The owner/operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:
   a. Whenever there is a school sponsored activity (if the engine is located on school grounds)
   b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session.

   "School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, athletic field, or other areas of school property but does not include unimproved school property. [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

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Condition #23250
Application 15133
For S-465, Product Dryer
A-95, F-413 Bag Filter
A-114, C-414 Vacuum System with condenser:

1. The owner/operator shall only operate S-465 when the unit is abated by the bag filter (A-95) and the vacuum system and condenser (A-114). (Basis: Cumulative Increase; Regulation 6, Rule 1)

2. The owner/operator shall equip the bag filter (A-95) with a device for measuring the pressure differential across the bag filter. The owner/operator shall check on a quarterly basis that the lines to the pressure differential measurement device are not plugged. (Basis: Regulation 6-1-301, 6-1-310, 6-1-311, 2-1-403)

3. The owner/operator shall inspect the bag filter (A-95) on a weekly basis to ensure proper operation. The following items shall be checked:
   a. The pressure differential across the bag filter shall be checked weekly while the system is in a drying cycle and under vacuum. This pressure differential shall be recorded in a log. The maximum pressure differential across the bag filter shall not exceed 400 mm Hg absolute.
   b. The material collected by the bag filter shall be removed in a timely manner to maintain compliance with 3(a) above.
   c. The bag filter cleaning system shall be maintained and operated at sufficient intervals to maintain compliance with 3(a) above.

   (Basis: Regulation 2-1-403)

4. In order to demonstrate compliance with the above permit conditions, the following records shall be maintained in a District approved log. These records shall be kept on site and made available for District inspection for a period of at least five years from the date on which a record is made.
   a. Records of all inspections (including differential pressure readings) and all maintenance work including bag replacement for the bag filter. Records of each inspection shall consist of a log containing the date of inspection and the initials of the personnel that inspects the bag filter.

   (Basis: Regulation 1-441)

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Condition #24289

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

Condition #24763
S-718 Nitrapyrin Plant

1. The owner/operator of the Nitrapyrin plant shall construct and operate the plant as described in Application No. 21858, 24429,25438, 26661 and 28555. The owner/operator shall submit a permit application to the District for approval, prior to any increases in capacity or throughput above levels in these Applications. [Basis: 2-2-419]

2. Within 30 days of District's issuance of the Permit to Operate for Application 21858 or the completion of the Nitrapryin Plant, the Owner/Operator shall provide the District's Engineering Division with a final count of all fugitive components and each component's unique permanent identification codes for this project. The owner/operator has been permitted to install the following fugitive components:
   1198 valves;
   4572 connections (flanges, connectors);
   31 pumps;
   48 pressure relief devices;
   8 compressors
   [Basis: Cumulative Increase, Offsets, Regulation 2-5]

3. The Owner/Operator shall comply with a leak standard of 100 ppm of TOC (measured as C1) at any valves installed as part of the Nitrapyrin Plant in organic liquid service unless the Owner/Operator complies with the applicable minimization and repair provisions contained in Regulation 8-18. [Basis: BACT, Regulation 8 Rule 18]

4. The Owner/Operator shall comply with a leak standard of 100 ppm of TOC (measured as C1) at any flanges and/or connectors installed as part of the Nitrapyrin Plant in organic liquid service unless the Owner/Operator complies with the applicable minimization and repair provisions contained in Regulation 8-18. [Basis: Regulation 8 Rule 18]

5. The Owner/Operator shall comply with a leak standard of 500 ppm of TOC (measured as C1) at any pumps in organic liquid service installed as part of the

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

6. The Owner/Operator shall conduct inspections of fugitive components installed as part of the Nitrapyrin Plant in organic liquid service in accordance with the frequency below:
   Pumps: Quarterly
   Valves: Quarterly
   Connectors (Not Flanges): Biannual Flanges: Biannual
   [Basis: 2-2-419, Regulations 8 Rule 18]

7. The Owner/Operator shall not exceed 0.891 tons of POC emissions per consecutive 12 month period measured as C1 from all fugitive components installed as part of the Nitrapyrin Plant in organic liquid service. The Owner/Operator shall not exceed 9.9 lb/day of POC measured as C1 from all fugitive components. If the TOC concentration (as C1) measured at any component at the Nitrapyrin plant exceeds the concentration standards contained in parts 3 through 5, then the owner/operator shall estimate daily emissions from all Nitrapyrin fugitive components using a District approved method. The owner/operator shall continue to estimate daily emissions from all fugitive components at the Nitrapyrin plant until the leak rate of TOC (as C1) from each component at the Nitrapyrin plant is less than the concentration standards contained in parts 3 through 5. [Basis: 2-2-419, Cumulative Increase, Offsets]

8. The owner/operator shall calculate the fugitive emissions from all Nitrapyrin Plant components on a 12-month rolling average basis and a daily basis (as necessary) to demonstrate compliance with part 7 using District approved methodology. The owner/operator shall maintain monthly records of monitoring results, fugitive emission calculations, component counts, and unique permanent identification codes for each component. These records shall be maintained onsite for inspection by District staff for a period of 5 years. [Basis: 2-2-419, Cumulative Increase, Offsets, Recordkeeping]

9. The owner/operator shall ensure that total rail car shipments for the Nitrapyrin Formulation Plant 540 (S-718, S-719, S-720, S-721, S-724, S-725, S-729, S-727, S-728, S-730, S-731, S-732, S-733, and S-596) do not exceed 271 rail cars per consecutive 12-month period and truck trips not to exceed 223 per consecutive 12 month period. To demonstrate compliance with this part, the owner/operator shall maintain monthly records of the number of rail car shipments and truck trips to the Nitrapyrin Formulation Plant, totaled for each rolling consecutive 12-month period. (Basis: Cumulative Increase)

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Condition #24779
S-483 Carbon Tetrachloride Loading

1. Within 30 days of District's issuance of the Permit to Operate for S-483, the Owner/Operator shall provide the District's Engineering Division with a final count of all fugitive components and each component's unique permanent identification codes in this project. The owner/operator has been permitted to install the following fugitive components that shall be required to meet current District BACT guidelines at the time of installation:
   8 valves in organic service;
   20 connectors in organic service;
   [Basis: Cumulative Increase, offsets, Regulation 2-5]

2. The Owner/Operator shall comply with a leak standard of 100 ppm of TOC (measured as C1) at any valves installed at S-483 in organic service unless the Owner/Operator complies with the applicable minimization and repair provisions contained in Regulation 8-18. [Basis: Regulation 8 Rule 18]

3. The Owner/Operator shall comply with a leak standard of 100 ppm of TOC (measured as C1) at any flanges and/or connectors installed at S-483 in organic service unless the Owner/Operator complies with the applicable minimization and repair provisions contained in Regulation 8-18. [Basis: Regulation 8 Rule 18]

4. The Owner/Operator shall conduct inspections of fugitive components installed at S-483 in organic service in accordance with the frequency below:
   Valves: Quarterly
   Connectors (Not Flanges): Biannual
   Flanges: Biannual
   [Basis: Cumulative Increase, Regulation 8 Rule 18, Regulation 2 Rule 5]

5. The Owner/Operator shall not exceed 0.335 tons of POC emissions per consecutive 12 month period measured as C1 from for all fugitive components installed at S-483 in organic service. Compliance with this provision shall be verified quarterly using methods described in part 6. [Basis: Cumulative Increase, offsets]

6. If all of the fugitive components installed at S-483 in organic service are leaking at a rate less than 5000 ppm of TOC (measured as C1) in any calendar quarter, no further verification and no submittal of the results shall be required. If any of the fugitive components installed at S-483 in organic service are leaking at a rate equal to or greater than 5,000 ppm of TOC (measured as C1) in any calendar quarter, the owner/operator shall conduct an annual emissions estimate in order to

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

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

Condition #25675

1. Operating for reliability-related activities is limited to no more than 50 hours per year per engine which is the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25. This emergency fire pump is subject to the current National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems." [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations]

2. The owner or operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, state or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, state or Federal emission limits is not limited. [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(B)(3)]

3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated

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

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

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

5. At School and Near-School Operation:
   If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply:
   The owner or operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:
   a. Whenever there is a school sponsored activity (if the engine is located on school grounds)
   b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session.

   "School" or "School Grounds" means any public or private school used for the purposes of the education of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include private home(s). "School or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property.

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Condition #26192
Compliance Assurance Monitoring (CAM) Permit Condition

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

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

For all sources and abatement devices listed above:

1. The owner/operator of the above sources and their associated abatement devices shall submit a monitoring report to the District in accordance with 40 CFR Part 70.6(a)(3)(iii). The report shall include all of the following information:
   a. Summary of the number, duration, and cause of exceedances/excursions and the corrective actions taken. (Basis: 40 CFR Part 64.9(a)(2))
   b. Summary of the number, duration, and cause of monitoring equipment downtime incidents, other than routine downtime for calibration checks. (Basis: 40 CFR Part 64.6c(3), 64.9(a)(2))

2. The owner/operator shall keep the records of the temperature, calibrations, and test results required by these conditions for at least 5 years and shall make the records available to District staff upon request. (Basis: Regulation 2-6-501 Recordkeeping)

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

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

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

4. The following definitions apply to the Compliance Assurance Monitoring Plan for sources with associated abatement device (S-336) to ensure compliance:
   a. For S-336, an exceedance and excursion are the same; defined as any monitored combustion chamber temperature below 952 C (1745 F) while the unit is processing liquid and/or organic gas feed streams. (Basis: 40 CFR Part 64.6(c)(2))

5. The owner/operator shall equip the thermal oxidizer with a thermocouple sensor, installed in the incinerator chamber or outlet as an integral part of the thermal oxidizer design. The thermocouple shall be calibrated or replaced on an annual basis. The acceptance criterion if validating by calibration is ±4 C. (Basis: 40 CFR Part 60 Subpart EEE, 40 CFR Part 64.3, Regulation 2-6-503)

6. The owner/operator shall operate the thermal oxidizer so that the thermocouple measures combustion chamber temperature continuously. Measurements shall be recorded electronically as hourly rolling averages at least once each 15 minutes. (Basis: 40 CFR 64.3(b)(4))

7. The owner/operator shall ensure that all liquid and organic gas feeds are shut off any time the combustion chamber temperature of S-336 is less than 952 C (1745 F). If exceedances or excursions continue to occur, the District may require the owner/operator to develop and implement a Quality Improvement Plan (QIP). (Basis: 40 CFR Part 64.8)

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

8. The owner/operator shall conduct a District approved Destruction Removal Efficiency test (40 CFR Part 63 Subpart EEE methodology) during the periodic Compliance Performance Test performed to comply with 40 CFR Part 63 Subpart EEE conducted on S-389 (ST HAF) to demonstrate compliance with the requirement contained in District condition 2039 part 5 (minimum organic destruction efficiency of 99.99% by weight). (Basis: 40 CFR Part 63 Subpart EEE, 40 CFR Part 64.4(b), Regulation 2-6-503)

9. The following definitions apply to the Compliance Assurance Monitoring Plan for sources with associated abatement device (S-389) to ensure compliance:
   a. For S-389, an exceedance and excursion are the same; defined as any monitored combustion chamber temperature below 1000 C (1830 F) while

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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:
    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)

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16. The owner/operator shall operate the thermal oxidizer so that the thermocouple measures combustion chamber temperature continuously. Measurements shall be recorded electronically at least once each 15 minutes. (Basis: 40 CFR 64.3(b)(4))

17. The owner/operator shall ensure that all organic gas feeds are shut off any time the combustion chamber temperature of A-400 is less than 800 degrees C (1472 degrees F). If exceedances or CAM condition excursions continue to occur, the District may require the owner/operator to develop and implement a Quality Improvement Plan (QIP). (Basis: 40 CFR Part 64.8)

VII. APPLICABLE EMISSION LIMITS & COMPLIANCE MONITORING REQUIREMENTS

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
Facility

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-328.1, Tanks > 75 m3	N		Emission Control System with abatement with efficiency of ≥ 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)	BAAQMD 8-5-502	P-E	portable monitor
VOC	SIP 8-5-328, Tanks > 75m3	Y		Liquid balancing – resulting liquid has TVP < 0.5 psia or Emission Control System with abatement with efficiency of ≥ 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
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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
Facility

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for < 3 min/hr	For A-199, Condition 17985, Parts 6 & 7 For S-336, Condition 6859, Part 6,	For A-199: P-D For S-336: C	Caustic concentration Temperature monitor
Opacity	SIP 6-301	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
FP	BAAQMD 6-1-310	N		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
FP	SIP 6-310	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	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
1,3-Dichloropropene Loading abated by A-144, Vapor Balance System
All other Non-Exempt Material Loading Abated by S-336 or S-389, Thermal Oxidizers
Other Exempt Material Loading - Unabated

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Exempt liquids	BAAQMD 8-6-110	Y		True vapor pressure < 0.5 psia	BAAQMD 8-6-501.1	P-E	Records
VOC	BAAQMD 8-6-302.1	Y		Loading into delivery vehicle: Vapor balanced, emissions < 0.35 lbs/1000 gallons loaded	Condition 6859, Part 6; 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
Each Abated by S-336 or S-389, Thermal Oxidizers

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-306	N		Control device standards; includes 95% efficiency requirement	BAAQMD Conditions 2039, part 13, and 6859, part 6	C	Temperature monitoring
VOC	SIP 8-5-306	Y		Control device standards; includes 95% efficiency requirement	BAAQMD Conditions 2039, part 13, and 6859, part 6	C	Temperature Monitoring
VOC	BAAQMD 8-5-328	N		Emission Control System with abatement with efficiency of ≥ 90% by weight until VOC concentration in tank ≤ 10,000 ppm as methane	BAAQMD 8-5-502	P-E	portable monitor
VOC	SIP 8-5-328.1.1	Y		Tank cleaning control by liquid balancing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	SIP 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after cleaning	BAAQMD 8-5-503	P/E	Portable hydrocarbon detector
VOC	BAAQMD 8-5-331	N		Tank Cleaning Agents meet 331.1, 331.2, and 331.3 or Emission Control System with abatement with efficiency of ≥ 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	Condition 11276, part 5, part 6	P/E	portable monitor

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 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 – J
Applicable Limits and Compliance Monitoring Requirements
S-44, N-Serve Plant
Abated by S-389, Sym-Tet Thermal Oxidizer R-501 or
Abated by A-88, B-106 Sym-Tet Scrubber or
Abated by A-89, X-3 Emergency Venturi at N-Serve/Sym-Tet

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 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 – J
Applicable Limits and Compliance Monitoring Requirements
S-44, N-Serve Plant
Abated by S-389, Sym-Tet Thermal Oxidizer R-501 or
Abated by A-88, B-106 Sym-Tet Scrubber or
Abated by A-89, X-3 Emergency Venturi at N-Serve/Sym-Tet

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	SIP 6301	Y		Ringelmann No. 1 for < 3 min/hr	For S-389: Condition 2039, Part 13 For A-88/ A-89: None	S-389: C A-88/89: N	Temperature monitor N/A
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	Same as Above	Same as Above	Same as Above
FP	SIP 6310	Y		0.15 grain/dscf	Same as Above	Same as Above	Same as Above
FP	BAAQMD 6-1-311	N		$4.10\ P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	Same as Above	Same as Above	Same as Above
FP	SIP 6-311	Y		$4.10\ P^{0.67}$ 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	N		Vessel depressurization recovered/combusted or contained/treated until organic partial pressure < 4.6 psig	8-10-501	P-E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	SIP 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 < 75m^3 with submerged fill]
S-55, T-30 N-Serve
S-408, T-723 Terminalized Products

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Regulation 8-7-301.6	Y		All Phase I Equipment (except components with allowable leak rates) shall be leak free (≤ 3 drops/minute) and vapor tight	BAAQMD Regulation 8-7-301.13 and 8-7-503.2	P/A	Static Pressure Performance Test, ST-30
VOC	BAAQMD Regulation 8-7-301.10	Y		98% or highest CARB vapor recovery rate	None	N	N/A
VOC	Condition #20666, Part 1, Part 2	Y		Drop tube/drain valve leak rate not to exceed 0.17 CFH @ 2" H_2O; minimum 360° rotation with maximum 108 pound-inch torque Rotable Adaptor Torque Test (CARB TP201.1B)	BAAQMD Regulation 8-7-503.2; BAAQMD Condition #20666 Part 2	P- once every 36 months	Drop tube/drain valve leak test (CARB TP 201.1C or 201.1D) and torque test (CARB TP 201.1B
VOC	Condition 24289, Part 1	N		20,000 gallons/12 months	BAAQMD 8-7-503.1	P-M	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for < 3 min/hr	Condition #20826, Parts 1, 2	P-E	Visual Check
Opacity	SIP 6-301	Y		Ringelmann No. 1 for < 3 min/hr	Condition #20826, Parts 1, 2	P-E	Visual Check
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	None	N	N/A
FP	SIP 6-310	Y		0.15 grain/dscf	None	N	N/A
FP	BAAQMD 6-1-311	N		$4.10\ P^{0.67}$ 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
Visible Emissions	Condition #20826 Part 1	Y		If visible emissions are detected, then corrective action shall be taken.	Condition #20826 Parts 1, 2	P-E	Visual Check

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

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

Table VII – U
Applicable Limits and Compliance Monitoring Requirements
S-323, Dryer, D-605A
S-324, Dryer, D-609
S-535, Portable Dryer, D-605B
Each abated by S-336, Manufacturing Services Thermal Oxidizer

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-1-110.3	Y		VOC abated ≥ 85% by weight and ≥ 90% of organic carbon oxidized to CO2	Condition 2039, Part 13	C	Temperature monitor

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
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
NOx	Condition 6859, Part 3	Y		NOx ≤ 8.6 lbs/day as NO2	Condition 6859, Part 8	P- once every five years	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 – W
Applicable Limits and Compliance Monitoring Requirements
S-336, Manufacturing Services Thermal Oxidizer
Abated by A-86, B14A & B Karbate Acid Absorber > A-21, B-15 Manufacturing Services Scrubber > A-54, B-15 Demister > A-410, B-16 Caustic Scrubber in series

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

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

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
Opacity	SIP 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	None	N	N/A
FP	SIP 6-310	Y		0.15 grain/dscf	None	N	N/A
FP	BAAQMD 6-1-311	N		$4.10\ P^{0.67}$ 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 – X
Applicable Limits and Compliance Monitoring Requirements
S-389, Sym-Tet Thermal Oxidizer
Abated by A-74, B-502 Caustic Scrubber and A-412, B-501 Acid Absorber at all times
Abated by A-75, X-505 Particulate Scrubber when burning chlorinated liquids
Abated by A-77, R-502 Nonselective Catalytic Reduction Unit, and A-76, B-503A Carbon Adsorber, A-80, B-503B Carbon Adsorber, and A-205, R-503 Carbon Monoxide Scrubber when A-77 is operating

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	SIP 6-311	Y		4.10 $P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	None	N	N/A
NOx	Condition 2039, Part 10	Y		NOx ≤ 6194 lbs/year	Condition 2039, Part 9	P – semiannual	source test & calculations
CO	Condition 2039, Part 4	Y		250 ppm at 3% 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 ≥ 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 ≤ 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
Liquid waste	Condition 2039, Parts 7 & 8	Y		Annual average liquid feed ≤ 45.1 gallons/hour Maximum daily liquid feed < 70 gallons/hour	Condition 2039, Part 13	C	Liquid mass flowmeter/ calculations

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

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

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 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
HCl	Condition 5147, Part 2	Y		200,000 gallons/12-months	Condition 5147, Part 3	P/E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for < 3 min/hr	For A-199 and A-87/A-85/A-199: Condition 17985, Part 7 For S-336: Condition 6859, Part 6	A-199: P-D S-336: C	Caustic concentration Temperature monitor
Opacity	SIP 6-301	Y		Ringelmann No. 1 for < 3 min/hr	For A-199 and A-87/A-85/A-199: Condition 17985, Part 7 For S-336: Condition 6859, Part 6	A-199: P-D S-336: C	Caustic concentration Temperature monitor
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	For A-199 and A-87/A-85/A-199: Condition 17985, Part 7 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 – AC
Applicable Limits and Compliance Monitoring Requirements
S-434, Manufacturing Services Facility
Abated by A-87, HCl Absorber/Heat Exchanger H-109 and A-85, Absorber – Packed Bed in series, Followed by A-199, Manufacturing Services Scrubber B-12, or Abated by S-336, Manufacturing Services Thermal Oxidizer, or Abated by A-199, Manufacturing Services Scrubber B-12

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	SIP 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
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 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
FP	SIP 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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-10-302	N		Opening of Process Vessels: 302.1 TOC concentration ≤ 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		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 – AD
Applicable Limits and Compliance Monitoring Requirements
S-444, U-183 Dowtherm Heater

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
Opacity	SIP 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf, corrected to dry standard conditions 6% O2	None	N	N/A
FP	SIP 6-310.3	Y		0.15 grain/dscf, corrected to dry standard conditions 6% O2	None	N	N/A
NOx	BAAQMD 9-7-301.1	N		30 ppmvd at 3% O2	Condition 11054, Part 5	P – Annual	Source Test
NOx	SIP 9-7-301.1	Y		30 ppmvd at 3% O2	Condition 11054, Part 5	P – Annual	Source Test
NOx	BAAQMD 9-7-307.5	N		9 ppmvd at 3% O2	Condition 11054, Part 5	P – Annual	Source Test
NOx	Condition 11054 Part 2b			9 ppmvd at 3% O2	Condition 11054, Part 5	P – Annual	Source Test
CO	BAAQMD 9-7-301.4	N		400 ppmvd at 3% O2	Condition 11054, Part 5	P – Annual	Source Test
CO	SIP 9-7-301.2	Y		400 ppmvd at 3% O2	Condition 11054, Part 5	P – Annual	Source Test
CO	Condition 11054, Part 3	Y		50 ppmvd at 3% O2	Condition 11054, Part 5	P – Annual	Source Test
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 – AE
Applicable Limits and Compliance Monitoring Requirements
S-446, Sym-Tet Plant
Abated by S-389 when S-389 is operating, or
Abated by A-88, B-106 Sym-Tet Scrubber or
Abated by A-89, X-3 Emergency Venturi at N-Serve/Sym-Tet
Reactor and Stripping Systems, or abated by A-168, B-609 Emergency Backup
Caustic Scrubber

Type of Limit	Citation of Limit	FE Y/ N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for < 3 min/hr	For S-389: Condition 2039, Part 13 For A-88/ A-89: None	S-389: C A-88/89: N	Temperature monitor N/A
Opacity	SIP 6-301	Y		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
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	Same as Above	Same as Above	Same as Above
FP	SIP 6-310	Y		0.15 grain/dscf	Same as Above	Same as Above	Same as Above
FP	BAAQMD 6-1-311	N		4.10 $P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	Same as Above	Same as Above	Same as Above
FP	SIP 6-311	Y		4.10 $P^{0.67}$ 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 – AE
Applicable Limits and Compliance Monitoring Requirements
S-446, Sym-Tet Plant
Abated by S-389 when S-389 is operating, or
Abated by A-88, B-106 Sym-Tet Scrubber or
Abated by A-89, X-3 Emergency Venturi at N-Serve/Sym-Tet
Reactor and Stripping Systems, or abated by A-168, B-609 Emergency Backup
Caustic Scrubber

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
Opacity	SIP 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf, corrected to dry standard conditions 6% O2	None	N	N/A
FP	SIP 6-310.3	Y		0.15 grain/dscf, corrected to dry standard conditions 6% O2	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 – AG
Applicable Limits and Compliance Monitoring Requirements
S-460, Dowtherm Heater U-83

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	SIP 6-311	Y		4.10 $P^{0.67}$ 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	SIP 9-7-301.1	Y		30 ppmvd at 3% O2	Condition 503, Part 7	P/A	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	SIP 9-7-301.2	Y		400 ppmvd at 3% O2	Condition 503, Part 7	P/A	Source Test
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 – AH
Applicable Limits and Compliance Monitoring Requirements
S-461, Plant 663 R-401 Reactor, Abated by A-96, B-405 Acid Absorber & Tails Tower
S-462, Plant 663 R-402 Reactor, Abated by A-96, B-405 Acid Absorber & Tails Tower
S-463, Plant 663 F-403 Separator

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
Opacity	SIP 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	None	N	N/A
FP	SIP 6-310	Y		0.15 grain/dscf	None	N	N/A
FP	BAAQMD 6-1-311	N		$4.10\ P^{0.67}$ 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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 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	P/W	Pressure Drop Monitoring
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	P/W	Pressure Drop Monitoring
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	P/W	Pressure Drop Monitoring

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 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
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 – AK
Applicable Limits and Compliance Monitoring Requirements
S-482, Carbon Tetrachloride Rail Car Loading
Each Abated by S-336 or S-389, Thermal Oxidizers

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – AM
Applicable Limits and Compliance Monitoring Requirements
S-492, T-403 Environmental Services
Pressure Tank >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 8-5-306	N		Control device standards; includes 95% efficiency requirement (when operated with emission control system)	BAAQMD Condition 6859, part 6	C	Temperature monitoring
VOC	SIP 8-5-306	Y		Control device standards; includes 95% efficiency requirement (when operated with emission control system)	BAAQMD Condition 6859, part 6	C	Temperature monitoring
VOC	SIP 8-5-307	Y		< 100 ppm for non-pressure relief devices (expressed as methane) above background (when operated as pressure tank)	Not Specified	None	Method 21 Inspection
VOC	BAAQMD 8-5-328.1	N		Abatement by approved control device until concentration of organics is < 10,000 ppm as methane	BAAQMD 8-5-503	P/E	Portable hydrocarbon detector
VOC	SIP 8-5-328.1	Y		Tank degassing control by liquid balancing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	SIP 8-5-328.1.2	Y		Abatement by approved control system until concentration of organics is < 10,000 ppm as methane	BAAQMD 8-5-503	P/E	Portable hydrocarbon detector

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
Opacity	SIP 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	None	N	N/A
FP	SIP 6-310	Y		0.15 grain/dscf	None	N	N/A
FP	BAAQMD 6-1-311	N		$4.10\ P^{0.67}$ 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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 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	SIP 6-310	Y		0.15 grain/dscf	Same as Above	Same as Above	Same as Above
FP	BAAQMD 6-1-311	N		$4.10\ P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	Same as Above	Same as Above	Same as Above
FP	SIP 6-311	Y		$4.10\ P^{0.67}$ 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 – AU
Applicable Limits and Compliance Monitoring Requirements
S-580, Specialty Chemicals Storage Tank, T-3A
S-581, Specialty Chemicals Storage Tank, T-3B
S-582, Specialty Chemicals Storage Tank, T-215
S-583, Specialty Chemicals Storage Tank, T-200
Each abated by A-140, Specialty Chemicals Pressure Storage Tanks Vapor Return System

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for < 3 min/hr	Condition #4945, Parts 2 & 3	P-E	Visual Check
Opacity	SIP 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	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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

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

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-1-110.3	Y		VOC abated ≥ 85% by weight and ≥ 90% of organic carbon oxidized to CO2	Condition 6859, Part 6, Condition 2039, Part 13	C	Temperature monitors
VOC	Condition 5722, Part 1	Y		No detectable emissions	See Component Table	See Component Table	See Component Table

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 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
HCl	BAAQMD Condition # 7775 Part 1	Y		Combined throughput of HCl ≤ 3,000,000 gallons/12 months	BAAQMD Condition # 7775 Part 5	P/M	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
Opacity	SIP 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	None	N	N/A
FP	SIP 6-310	Y		0.15 grain/dscf	None	N	N/A
FP	BAAQMD 6-1-311	N		$4.10\ P^{0.67}$ 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
PM	Condition 7775, Part 3	Y		Throughput of 36% HCl ≤ 3,000,000 gallons/12 months	Condition 7775, Part 5	P-M	Records

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

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

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – BK
Applicable Limits and Compliance Monitoring Requirements
S-650, 36% Hydrogen Chloride Acid Storage Tank, V-280A
S-651, 36% Hydrogen Chloride Acid Storage Tank, V-280B
S-652, 36% Hydrogen Chloride Acid Storage Tank, V-280C
Abated by A-181, B-278 Packed Bed Column, followed by A-182, B-279 Packed Bed Column, followed by A-184, ME 290A/B Carbon Beds or S-336, Manufacturing Services Thermal Oxidizer

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
PM	BAAQMD 12-4-306	Y		Abrasives for unconfined dry blasting must be certified annually	Condition 8591, Parts 3, 4	P-E	Records
PM	BAAQMD 12-4-308, 12-4-309	N		Type of blasting for which confined blasting is required and operational requirements for blasting of stucco or concrete	Condition 8591, Part 3	P-E	Records
PM	Condition 8591, Part 1	Y		Confined: grit type blast media throughput ≤ 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 – BM
Applicable Limits and Compliance Monitoring Requirements
S-662, Storage Tank, T-243
S-663, Storage Tank, T-242
S-664, Storage Tank, T-244
Abated by A-192, Vent Recovery System, S-336, Manufacturing Services Thermal Oxidizer, S-389, Sym-Tet Thermal Oxidizer, or Pressure Valve Setting

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-307	N		< 500 ppm for pressure relief devices (expressed as methane) above background	BAAQMD 8-5-403	P/SA	Method 21 Inspection
VOC	SIP 8-5-307	Y		< 500 ppm for pressure relief devices (expressed as methane) above background	BAAQMD 8-5-403	P/SA	Method 21 Inspection
VOC	SIP 8-5-307	Y		< 100 ppm (expressed as methane) above background	Not Specified	None	Method 21 Inspection
Methylene Chloride	Condition 14438, Part 6	Y		1233 lb/day of methylene chloride sent to halogen acid furnace S-389	Condition 14438, Part 7	D	District Approved Calculation Method

S-662, S-663, S-664 are subject to Subpart EEEE (details in MACT Monitoring Table).

Table VII – BN
Applicable Limits and Compliance Monitoring Requirements
S-680, Pressure Tank, T-440

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – BN
Applicable Limits and Compliance Monitoring Requirements
S-680, Pressure Tank, T-440

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-328.1	N		Abatement by approved control device until concentration of organics is < 10,000 ppm as methane	BAAQMD 8-5-503	P/E	Portable hydrocarbon detector
VOC	SIP 8-5-328.1	Y		Tank degassing control by liquid balancing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	SIP 8-5-328.1.2	Y		Abatement by approved control system until concentration of organics is < 10,000 ppm as methane	BAAQMD 8-5-503	P/E	Portable hydrocarbon detector
VOC	BAAQMD 8-6-304	Y		Equipped with vapor balance or vapor loss control system, emissions ≤ 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 during any calendar year During tank interior inspections and emergency repair ≤ 5 per day and ≤ 20 for the event.	BAAQMD Condition # 14354 Part 3	P/E	Records

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – BO
Applicable Limits and Compliance Monitoring Requirements
S-681, Truck Transfer
Abated by A-191, Carbon Tetrachloride Tank Truck Loading Vapor Return Line – Vapor Balance

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 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
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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – BP
Applicable Limits and Compliance Monitoring Requirements
S-693, Distillation System
Abated by A-194, X-600 Venturi and A-195, B-615 Scrubber

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 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	Condition 15932, Part 8	P-W	Caustic circulation rate
FP	SIP 6-310	Y		0.15 grain/dscf	Condition 15932, Part 8	P-W	Caustic circulation rate
FP	BAAQMD 6-1-311	N		$4.10\ P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	Condition 15932, Part 8	P-W	Caustic circulation rate
FP	SIP 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	
POC	BAAQMD 8-2-301	Y		Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry	Condition 15932, Part 8	P–W	
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	

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – BP
Applicable Limits and Compliance Monitoring Requirements
S-693, Distillation System
Abated by A-194, X-600 Venturi and A-195, B-615 Scrubber

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-10-302	N		Opening of Process Vessels: 302.1 TOC concentration ≤ 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	
VOC	Condition 15932, Part 1	Y		Combined POC emissions from S-693 and S-694 < 56.9 lbs/12 months	Condition 15932, Part 8	P-W	
Circulation rate	Condition 15932, Part 3			Alkali solution circulation rate ≥ 17 gal/minute	Condition 15932, Part 8	P–W	

Note: S-693 will be subject to 40 CFR Part 63 Subpart FFFF upon Title V issuance.

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – BQ
Applicable Limits and Compliance Monitoring Requirements
S-694, Reaction/HCl Absorption System
Abated by A-195, B-615 Scrubber

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-2-301	Y		Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry	Condition 15932, Part 8	P–W	Caustic circulation rate
POC	BAAQMD 8-10-301	N		Vessel depressurization recovered/combusted or contained/treated until organic partial pressure < 4.6 psig	8-10-501	P-E	Records
POC	SIP 8-10-301	Y		Vessel depressurization recovered/combusted or contained/treated until organic partial pressure < 4.6 psig	None	P-E	Records
POC	BAAQMD 8-10-302	N		Opening of Process Vessels: 302.1 TOC concentration ≤ 10,000 ppm as methane, 302.2 if greater than 10,000 ppm, then number of vessels less than 10% of total vessels during any consecutive 5 year period and emissions ≤ 15 pounds per day.	8-10-501	P-E	Records
VOC	Condition 15932, Part 1	Y		Combined POC emissions from S-693 and S-694 < 56.9 lbs/12 months	Condition 15932, Part 8	P-W	Records
Circulation rate	Condition 15932, Part 7	Y		Alkali solution circulation rate at A-195 ≥ 50 gal/minute	Condition 15932, Part 8	P–W	Caustic circulation rate

Note: S-694 will be subject to 40 CFR Part 63 Subpart FFFF upon Title V issuance.

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – BR
Applicable Limits and Compliance Monitoring Requirements
S-695, Storage Tank, T-580, Pressure Tank [< 75 m3]

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	SIP 8-5-307	Y		< 100 ppm (expressed as methane) above background	Not Specified	None	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 Calculations
VOC	BAAQMD Condition # 15932 Part 10	Y		Vapor pressure ≤ 0.5 psia	BAAQMD Condition # 15932, Part 13	P/W	Records

Table VII – BS
Applicable Limits and Compliance Monitoring Requirements
S-696, T-585, Pressure Tank [<75 m3]

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	SIP 8-5-307	Y		< 100 ppm (expressed as methane) above background	Not Specified	None	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 Calculations
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 – BT
Applicable Limits and Compliance Monitoring Requirements
S-697, ISO Container Loading Operation
Abated by Vapor Balance System

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Exempt liquids	BAAQMD 8-6-110	Y		True vapor pressure < 0.5 psia	BAAQMD 8-6-501.1	P-E	Records
VOC	BAAQMD Condition 15932, Part 9	Y		Combined POC emissions from S-695, S-696, and S-697 ≤ 198.9 lbs/12 months	BAAQMD Condition 15932, Part 13	P/W	Records Calculations

Table VII – BU
Applicable Limits and Compliance Monitoring Requirements
S-699, Purge Tank/Drum Loading Operation

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Exempt liquids	BAAQMD 8-6-110	Y		True vapor pressure < 0.5 psia	BAAQMD 8-6-501.1	P-E	Records
VOC	Condition 15932, Part 14	Y		Distillation system purge stream throughput ≤ 30,000 gallons/12 months	Condition 15932, Part 15	P-W	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – BV
Applicable Limits and Compliance Monitoring Requirements
S-701, T-12 at Manufacturing Services
Operated as a Pressure Tank or Vented to S-336,
Manufacturing Services Thermal Oxidizer

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-307	N		< 500 ppm for pressure relief devices (expressed as methane) above background	BAAQMD 8-5-403	P/SA	Method 21 Inspection
VOC	SIP 8-5-307	Y		< 500 ppm for pressure relief devices (expressed as methane) above background	BAAQMD 8-5-403	P/SA	Method 21 Inspection
VOC	SIP 8-5-307	Y		< 100 ppm (expressed as methane) above background	Not Specified	None	Method 21 Inspection
VOC	BAAQMD 8-6-304	Y		Equipped with vapor balance or vapor loss control system, emissions ≤ 0.17 lbs/1000 gallons	When operated as a pressure tank: N When abated by S-336: Condition 6859, Part 6	N C	N/A Temperature monitor
VOC	Condition 16612	N		Total amount of organic materials stored at S-701 shall not exceed 100,000 gallons in any consecutive 12-month period	Condition 16612, Part 3	P/M	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – BW
Applicable Limits and Compliance Monitoring Requirements
S-706, FPI Standby Generator (Diesel)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-303	N		Ringelmann No. 2	None	N	N/A
Opacity	SIP 6-303	Y		Ringelmann No. 2	None	N	N/A
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	None	N	N/A
FP	SIP 6-310	Y		0.15 grain/dscf	None	N	N/A
SO2	BAAQMD 9-1-301	N		Ground level concentration ≤ 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
Reliablity Related Hours	BAAQMD 9-8-330,	N		Operation for reliability-related activities ≤ 50 hours/calendar year	BAAQMD 9-8-530,	C	Totalizing meter, records
Hours for maintenance and testing	Title 17, California Code of Regulations section 93115.6(b)(3)	N		Operation for reliability-related activities ≤ 50 hours/calendar year	93115.10(d)	P/E	Totalizing meter, records
Hours for Maintenance and Testing	Condition 22850, Part 1	N		Operation for reliability-related activities ≤ 50 hours/calendar year	BAAQMD 9-8-530, Condition 22850, Part 3	C	Totalizing meter, records

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – BX
Applicable Limits and Compliance Monitoring Requirements
S-707, Diesel Engine Backup Generator P1A,
S-708, Diesel Engine Backup Generator P1B
S-711, Diesel Engine Backup Generator 223

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-303	N		Ringelmann No. 2	None	N	N/A
Opacity	SIP 6-303	Y		Ringelmann No. 2	None	N	N/A
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	None	N	N/A
FP	SIP 6-310	Y		0.15 grain/dscf	None	N	N/A
SO2	BAAQMD 9-1-301	N		Ground level concentration ≤ 0.5 ppm for 3 minutes, 0.25 ppm for 60 minutes, or 0.05 over 24 hours	None	N	N/A
SO2	BAAQMD 9-1-304	N		Fuel sulfur content ≤ 0.5% by weight, unless the SO2 concentration in the resulting emissions ≤ 300 ppm, dry	None		N/A
Reliability Related Hours	BAAQMD 9-8-330, Condition	N		Operation for reliability-related activities ≤ 50 hours/calendar year	BAAQMD 9-8-530,	C	Totalizing meter, records
Hours for maintenance and testing	Title 17, California Code of Regulations section 93115.6(a)(4)	N		Not operate more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 – "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems," 2002 edition	93115.10(d)	P/E	Totalizing meter records
Hours for Maintenance and Testing	Condition 25675, Part 1	N		Operation for reliability-related activities ≤ 50 hours/calendar year	BAAQMD 9-8-530, Condition 25675, Part 3	C	Totalizing meter, records
Hours for Maintenance and Testing	Condition 22850, Part 1 (S-711 Only)	N		Operation for reliability-related activities ≤ 50 hours/calendar year	BAAQMD 9-8-530, Condition 22850, Part 3	C	Totalizing meter, records

Note: S-707, S-708, and S-711 is subject to Subpart ZZZZ (details MACT Monitoring Table).

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – BY
Applicable Limits and Compliance Monitoring Requirements
S-709, IC Engine Backup Generator (LPG) 471A

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-303	N		Ringelmann No. 2	None	N	N/A
Opacity	SIP 6-303	Y		Ringelmann No. 2	None	N	N/A
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	None	N	N/A
FP	SIP 6-310	Y		0.15 grain/dscf	None	N	N/A
SO2	BAAQMD 9-1-301	N		Ground level concentration ≤ 0.5 ppm for 3 minutes, 0.25 ppm for 60 minutes, or 0.05 over 24 hours	None	N	N/A
Reliability Related Hours	BAAQMD 9-8-330,	N		Operation for reliability-related activities ≤ 50 hours/calendar year	BAAQMD 9-8-530,	C	Totalizing meter, records
Reliability Related Hours	Condition 19724, Part 1	N		Operation for reliability-related activities ≤ 50 hours/calendar year	Condition 19724, Part 4		Totalizing meter, records

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	Condition 24763, Part 2	Y		Maximum Component Counts: Valves: 1198 Connectors: 4572 Pumps: 31 Press Relief Dvcs: 8 Compressors: 8	Condition 24763, Part 2	P/E	Records
VOC	Condition 24763, Part 3	Y		Leak Standard for Valves: ≤ 100 ppmv (as C1)	Condition 24763, Part 6	P/Q	Portable Hydrocarbon Analyzer (Method 21)
VOC	Condition 24763, Part 4	Y		Leak Standard for Connectors: ≤ 100 ppmv (as C1)	Condition 24763, Part 6	P/E (biannual)	Portable Hydrocarbon Analyzer (Method 21)
VOC	Condition 24763, Part 5	Y		Leak Standard for Pumps: ≤ 500 ppmv (as C1)	Condition 24763, Part 6	P/Q	Portable Hydrocarbon Analyzer (Method 21)
VOC	Condition 24763, Part 7	Y		≤ 0.891 tons per consecutive 12-month period (as C1) And ≤ 9.9 pounds per day (as C1)	Condition 24763, Part 6	P-Quarterly for Pumps and Valves, Biannual for Connectors	Portable Hydrocarbon Analyzer (Method 21)
VOC	Condition 24763, Part 9	Y		Rail Car Shipments: ≤ 271 per Consecutive 12-month period And Truck Trips: < 223 per Consecutive 12-month period	Condition 24763, Part 9	P/M	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – CB
Applicable Limits and Compliance Monitoring Requirements
S-1011 Auxiliary Boiler abated by A-1011 SCR

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	NSPS 40 CFR 60.44b (a)(1)(ii)	Y		0.2 lb/MM BTU (30-day rolling average) except during startup, shutdown, or malfunction	Condition #19356, part 14c	C	CEM
NOx	BAAQMD 9-7-307.6	N		9 ppmvd at 3% O2	Condition #19356, part 14c	C	CEM
NOx	SIP 9-7-301.1	Y		30 ppmvd at 3% O2	Condition #19356, part 14c	C	CEM
NOx	Condition #19356, part 3	Y		$\leq$ 9 ppmv @ 3% O_2, dry, averaged over any rolling 3 hour period, excluding startup and shutdown	Condition #19356, part 14c	C	CEM
NOx	Condition #19356, part 3	Y		$\leq$ 9 ppmv @ 3% O_2, dry, averaged over any rolling 3 hour period, excluding startup and shutdown	Condition #19356, part 12	Every 8,000 firing hours or 3 years, whichever comes first	Source Test
NOx	Condition #19356, part 13a	Y		6 tons per consecutive twelve month period	Condition #19356, part 14c	C	CEM
CO	BAAQMD 9-7-307.6	N		400 ppmvd @3% O2	Condition #19356, part 14c	C	CEM
CO	SIP 9-7-301.2	Y		400 ppmvd @3% O2	Condition #19356, part 14c	C	CEM

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – CB
Applicable Limits and Compliance Monitoring Requirements
S-1011 Auxiliary Boiler abated by A-1011 SCR

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	Condition #19356, part 4	Y		< 50 ppmv @ 3% O2, dry, averaged over any rolling 3 hour period, excluding startup and shutdown	Condition #19356, part 14c	C	CEM
	Condition #19356, part 4	Y		< 50 ppmv @ 3% O2, dry, averaged over any rolling 3 hour period, excluding startup and shutdown	Condition #19356, part 12	Every 8,000 firing hours or 3 years, whichever comes first	Source Test
	Condition #19356, part 13b	Y		20.3 tons per consecutive twelve month period	Condition #19356, part 14c	C	CEM
Precursor Organic Compounds	Condition #19356, part 13c	Y		0.7 tons per consecutive twelve month period	Condition #19356, parts 14f, 15d, 15f	P/M	Calculation, Records
Sulfur Dioxide	BAAQMD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N	None
	BAAQMD 9-1-302	Y		300 ppm (dry)		N	None
Sulfur Dioxide	Condition #19356, part 13e	Y		0.4 tons per consecutive twelve month period	Condition #19356, parts 15d, 15f	P/M	Record-keeping
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for < 3 min/hr		N	None
FP	BAAQMD 6-310	Y		0.15 grain/dscf @ 6 % O_2		N	None
	Condition #19356, part 8	Y		Ringelmann No. 1 for < 3 min/hr		N	None

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – CB
Applicable Limits and Compliance Monitoring Requirements
S-1011 Auxiliary Boiler abated by A-1011 SCR

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
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 – CC
Applicable Limits and Compliance Monitoring Requirements
Components

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-18-301	N		Except if subject to Sections 302, 303, 304, 305, 306: equipment leaks ≤ 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	SIP 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
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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – CC
Applicable Limits and Compliance Monitoring Requirements
Components

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	SIP 8-18-302	Y		Valve leaks ≤ 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	P – ≤ 90 days after startup, if opened during a turnaround.	Method 21 Inspection
					8-18-401.2	Accessible valves: P-Q	Method 21 Inspection
					8-18-401.3	Inaccessible valves: P-A	Method 21 Inspection
					8-18-401.5	If leak >Section 300 limits: P ≤ 24 hrs of repair.	Method 21 Inspection
					8-18-404	P-A, if requirements are met.	Method 21 Inspection

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – CC
Applicable Limits and Compliance Monitoring Requirements
Components

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-18-303	N		Pump and Compressor leaks ≤ 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	P – w/i 90 days of startup, if opened during a turnaround.	Method 21 Inspection
					8-18-401.2	Accessible Pumps and Compressors P-Q	Method 21 Inspection
					8-18-401.5	P-w/i 24 hours of repair, if leak > Section 300 limits.	Method 21 Inspection
					8-18-403	Pumps and Compressors: P-D, except when facility not staffed	Visual inspection Method 21 Inspection (upon discovery of liquid leak)

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – CC
Applicable Limits and Compliance Monitoring Requirements
Components

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	SIP 8-18-303	Y		Pump and Compressor leaks ≤ 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 8-18-401.5 8-18-403	P – w/i 90 days of startup, if opened during a turnaround. 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 Visual inspection Method 21 Inspection (upon leak discovery)
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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – CC
Applicable Limits and Compliance Monitoring Requirements
Components

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	SIP 8-18-304	Y		Connection leaks ≤ 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 – CC
Applicable Limits and Compliance Monitoring Requirements
Components

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-18-305	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/inaccessible horn shall have weephole inspected P-Q	Method 21 Inspection
					8-18-401.8	Pressure Relief Device that releases to atmosphere P-within 5 days of release	Method 21 Inspection

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – CC
Applicable Limits and Compliance Monitoring Requirements
Components

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	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/inaccessible horn shall have weephole inspected P-Q	Method 21 Inspection
					8-18-401.8	Pressure Relief Device that releases to atmosphere P-within 5 days of release	Method 21 Inspection

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – CC
Applicable Limits and Compliance Monitoring Requirements
Components

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-18-306.1	N		If cannot be repaired: Repair or replace within 5 yrs or at next scheduled turnaround, whichever is first	BAAQMD 8-18-502.4	P-E	Records
POC	SIP 8-18-306.1	Y		If cannot be repaired: Repair or replace within 5 yrs or at next scheduled turnaround, whichever is first	BAAQMD 8-18-502.4	P-E	Records
POC	BAAQMD 8-18-306.2	N		Non-repairable Equipment Allowed: 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	SIP 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 – CC
Applicable Limits and Compliance Monitoring Requirements
Components

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-18-306.3	N		A connection > 100 ppm and < 10,000 can be considered non-repairable equipment provided each non-repairable connection is considered as two valves toward the total number of non-repairable equipment allowed.	BAAQMD 8-18-502.4	P-E	Records
POC	SIP 8-18-306.3	Y		If cannot be repaired: 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 – CC
Applicable Limits and Compliance Monitoring Requirements
Components

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-18-306.4	N		A valve with a major leak may not be considered non-repairable equipment pursuant to 8-18-306 for more than 45 days after leak discovery, unless mass emission rate has been measured in accordance with 8-18-604 and emissions < 15 lb/day.	8-18-306.4	P-E	See 8-18-604
POC	BAAQMD 8-18-307	N		Liquid leaks must be discovered, minimized w/i 24 hours and repaired w/i 7 days.	BAAQMD 8-18-403	P-D, except when facility not staffed	Method 21 Inspection
POC	SIP 8-18-307	Y		Liquid leaks must be discovered, minimized w/i 24 hours and repaired w/i 7 days.	BAAQMD 8-18-403	P-D, except when facility not staffed	Method 21 Inspection
POC	SIP 8-25-302	Y		Pumps: 500 ppm as methane measured ≤ 1 cm from PRV, unless minimized within 24 hours and repaired within 7 days of discovery by operator or repaired within 24 hours if discovered by the APCO	SIP 8-25-401.2 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 – CC
Applicable Limits and Compliance Monitoring Requirements
Components

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	SIP 8-25-303	Y		Compressors: 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
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 ≤ 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 – CC
Applicable Limits and Compliance Monitoring Requirements
Components

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	SIP 8-25-307	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
POC	BAAQMD 8-28-402.1	N		Overpressure Events: Pressure Relief Device equipped with telltale indicator shall be inspected at least once per day unless the device has been equipped with a monitoring system pursuant to 8-28-503 and the facility has submitted a demonstration report pursuant to 8-28-406.	BAAQMD 8-28-402.1	P-D or monitoring system pursuant to 8-28-503	Visual Inspection or monitoring system pursuant to 8-28-503
POC	BAAQMD 8-28-402.2	N		PRV: Inspection within 5 working days of release event	BAAQMD 8-28-401	P-E	Method 21 Inspection and Report
POC	SIP 8-28-402	Y		PRV: Inspection within 5 working days of release event	BAAQMD 8-28-401	P-E	Method 21 Inspection and Report

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Organic HAP	40 CFR Part 63, §163(b)(2)(i)	Y		Pumps in light liquid service, Phase I: 10,000 ppm	§63.163(b)(1)	P-M	Method 21 inspection
Organic HAP	40 CFR Part 63, §163(b)(2)(ii)	Y		Pumps in light liquid service, Phase II: 5,000 ppm	§63.163(b)(1)	P-M	Method 21 inspection
Organic HAP	40 CFR Part 63, §163(b)(2)(iii)	Y		Other pumps, Phase III: 1,000 ppm	§63.163(b)(1)	P-M	Method 21 inspection
Organic HAP	40 CFR Part 63, §163(b)(3)	Y		Pumps in light liquid service: Liquid leak	§63.163(b)(3)	P-W	Visual inspection
Organic HAP	40 CFR Part 63, §163(d)(2)	Y		Pumps in light liquid service, Phase III: If > 10% of pumps or > 3 pumps in a process unit leak, a quality improvement plan must be implemented	§63.181(b)(1)	P-M	Calculations
Organic HAP	40 CFR Part 63, §165(a)	Y		Pressure relief devices in gas/vapor service: 500 ppm above background	§63.165(b)(2)	P-E	Method 21 inspection
Organic	40 CFR Part 63,	Y		Valves in gas/vapor and	§63.168(c)	P-Q	Method 21

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
HAP	§168(b)(2)(i)			light liquid service, Phase I: 10,000 ppm			inspection
Organic HAP	40 CFR Part 63, §168(b)(2)(ii)	Y		Valves in gas/vapor and light liquid service, Phase II: 500 ppm	§63.168(c)	P-Q	Method 21 inspection
Organic HAP	40 CFR Part 63, §168(b)(2)(iii)	Y		Valves in gas/vapor and light liquid service, III: 500 ppm	§63.165(d)(1) §63.165(d)(2) §63.165(d)(3) §63.165(d)(4)	For ≥ 2% leakers: P-M or P-Q with a Quality Improvement Plan For < 2% leakers: P-Q For < 1% leakers: P-once per 2 quarters For < 0.5% leakers: P-once per 4 quarters	Method 21 inspection Method 21 inspection Method 21 inspection Method 21 inspection
Organic HAP	40 CFR Part 63, §169(b)	Y		Agitators in heavy liquid service: 10,000 ppm			Method 21 inspection

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Organic HAP	40 CFR Part 63, §169(b)	Y		Valves, connectors, in heavy liquid service; instrumentation systems; pressure relief devices in liquid service: 500 ppm			Method 21 inspection
Organic HAP	40 CFR Part 63, §173(a)(2)	Y		Agitator in gas/vapor and light liquid service: 10,000 ppm	§63.173(a)(1)	P-M	Method 21 inspection
Organic HAP	40 CFR Part 63, §173(b)(2)	Y		Agitator in gas/vapor and light liquid service: liquid leak	§63.173(b)(1)	P-W	Visual inspection
Organic HAP	40 CFR Part 63, §174(a)(2)	Y		Connectors in gas/vapor and light liquid service: 500 ppm	§63.174(b)(3)(i) §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 < 0.5%: for 2 years: P-once every 4 years	Method 21 inspection Method 21 inspection Method 21 inspection

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – CF
Applicable Limits and Compliance Monitoring Requirements
40 CFR Part 60 Subpart Kb Sources
NSPS for Volatile Organic Liquid Storage Vessels
S-27, T-605A Terminalized Products abated by S-336 or S-389
S-30, Material Flow Tank T-608B abated by S-336 or S-389

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	NSPS Subpart Kb 60.112b (a)(3)(i)	Y		When operated with emission control system - Closed vent system leak tightness standards, VOC concentrations shall not exceed 500 ppmv above background.	NSPS Subpart Kb 60.116b	P/A	Method 21 Inspection
VOC	NSPS Subpart Kb 60.112b (a)(3)(ii)	Y		When not operated as a pressure tank - Control device standards; includes 95% efficiency requirement	NSPS Subpart Kb 60.116b BAAQMD 8-18-401 BAAQMD Conditions 2039, part 13, and 6859, part 6	C	Temperature monitoring

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

S-4, HCl Rail Tank Car Loading abated by A-199 Manufacturing Services Scrubber B-12 or S-336 Manufacturing Services Thermal Oxidizer
S-135, HCl Storage Tank T606A abated by A-18 Hydrochloric Acid Storage Tanks Scrubber
S-136, HCl Storage Tank T606B abated by A-18 Hydrochloric Acid Storage Tanks Scrubber
S-137, HCl Storage Tank T606C abated by A-18 Hydrochloric Acid Storage Tanks Scrubber
S-138, HCl Storage Tank T606D abated by A-18 Hydrochloric Acid Storage Tanks Scrubber
S-139, HCl Storage Tank T606E abated by A-18 Hydrochloric Acid Storage Tanks Scrubber
S-434, Manufacturing Services Facility abated by A-199 Manufacturing Services Scrubber B-12 or S-336 Manufacturing Services Thermal Oxidizer
S-576, HCl Storage Tank, T-122 abated by A-199 Manufacturing Service Scrubber B-12
S-620, HCl Tank Loading Operation abated by A-165 HCl Truck Loading Scrubber
S-646, 36% HCl Tank Truck Loading abated byA-179 X-39/B-39 Scrubber System or S-336 Manufacturing Services Thermal Oxidizer
S-647, Catalytic Hydrogen Chloride Plant abated by S-336 Manufacturing Services Thermal Oxidizer
S-648, Hydrogen Chloride Absorber, E-277 abated by S-336 Manufacturing Services Thermal Oxidizer and abatement train (A-410 B-16 Caustic Scrubber)
S-649, 36% Hydrogen Chloride Acid Storage Tank, V-277 abated by S-336 Manufacturing Services Thermal Oxidizer
S-650, 36% Hydrogen Chloride Acid Storage Tank, V-280A abated by S-336 Manufacturing Services Thermal Oxidizer
S-651, 36% Hydrogen Chloride Acid Storage Tank, V-280B abated by S-336 Manufacturing Services Thermal Oxidizer and abatement train (A-410 B-16 Caustic Scrubber)
S-652, 36% Hydrogen Chloride Acid Storage Tank, V-280C abated by S-336 Manufacturing Services Thermal Oxidizer and abatement train (A-410 B-16 Caustic Scrubber)

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – CG
Applicable Limits and Compliance Monitoring Requirements
Subpart NNNNN
NESHAP for Hydrogen Chloride Manufacturing

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
HCl	Subpart NNNNN 63.9000(a)	Y		Emission stream from an HCl storage tank at an existing source - reduce HCl emissions by ≥ 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 – CG
Applicable Limits and Compliance Monitoring Requirements
Subpart NNNNN
NESHAP for Hydrogen Chloride Manufacturing

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
HCl	Subpart NNNNN 63.9000(a)	Y		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.	63.9015(a), 63.9020(a)	P-every 5 years	Performance Test at A-199 Manufacturing Services Scrubber B-12 at S-434 (Note: Performance Test not required for S-336 abatement train since subject to Subpart EEE, RCRA and BIF permits, See 63.9000(c)(4))
HCl	Subpart NNNNN 63.9000(a)	Y		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.	63.9035(b)(1) and (2)	C	Flowmeter pH monitor

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – CG
Applicable Limits and Compliance Monitoring Requirements
Subpart NNNNN
NESHAP for Hydrogen Chloride Manufacturing

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
HCl	Subpart NNNNN 63.9000(a)	Y		Emission stream from an HCl storage tank at an existing source - reduce HCl emissions by ≥ 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 ≥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 – CH
Applicable Limits and Compliance Monitoring Requirements
40 CFR Part 63 Subpart MMM
NESHAP for Pesticide Active Ingredient Production
S-461, Plant 663 R-401 Reactor, Abated by A-96, B-405 Acid Absorber & Tails Tower – vapor recovery
S-462, Plant 663 R-402 Reactor, Abated by A-96, B-405 Acid Absorber & Tails Tower
S-463, Plant 663 F-403 Separator

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	63.1362(b)(3)(ii)	Y		HCl from process vents reduced by 94 percent or greater or to outlet concentrations less than or equal to 20 ppmv.	63.1365(a)(6) 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 Olfactory (AVO)

1 Control Device Process monitoring: HCl water absorber liquid recycle flow on a continuous basis, annual flowmeter calibration, annual inspection of HCl closed vent system to A-96.

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

S-5, 720 Terminalized Products
S-28, T-605B Material Flow
S-30, T-608B Terminalized Products, 333,000 gallons
S-36, N-Serve Plant Storage
S-44, N-Serve Plant, Note this applies to T-70 and T-74 at N-Serve Plant (No Source Numbers)
S-45, T-1 N-Serve
S-56, T-31 N-Serve
S-57, T-32 N-Serve
S-61, T-780 N-Serve
S-62, T-781 N-Serve
S-63, T-782 N-Serve
S-151, T-614 Terminalized Products, 700,000 gallons
S-346, T-241
S-372, T-20 Block 560 Storage Tank
S-382, N-Serve Unit Storage T-783
S-383, Petroleum Hydrocarbon Distillate Tank
S-407, T-728 N-Serve Formulation Tank
S-447, T-774

VII. Applicable Emission Limits & Compliance Monitoring Requirements

S-466, Plant 663 T-408A Intermediate Product Storage
S-467, Plant 663 T-408B Intermediate Product Storage
S-498, Sym Tet T-102 Storage Tank
S-625, T-610 Perc Expansion Tank
S-662, Storage Tank, T-243, Pressure Tank, 15,000 gallons
S-663, Storage Tank, T-242, Pressure Tank, 15,000 gallons
S-664, Storage Tank, T-244, Pressure Tank, 15,000 gallons
S-680, Pressure Tank, T-440

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

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

Table VII – CI
Applicable Limits and Compliance Monitoring Requirements
Subpart EEEE
NESHAP for Organic Liquid Distribution

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	63.2346(a)	Y		Storage Tanks, Table 2 emission limits for tanks requiring control	Subpart EEEE 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	Subpart EEEE	P/Varies in	Method 21

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – CI
Applicable Limits and Compliance Monitoring Requirements
Subpart EEEE
NESHAP for Organic Liquid Distribution

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
				each pump, valve, and sampling connection in organic liquids service at least 300 hours/year, Leak Detection and Repair Program	Table 4 Work Practice Standards Comply with the requirements for pumps, valves, and sampling connections in 40 CFR part 63, Subpart H.	Subpart H, Quarterly for Valves, E-Liquid Leak for Pumps with Dual Mechanical Seals and Barrier Fluid, M-for other Pumps	Inspection
VOC	63.2346(e)	Y		Operating Limits, High Throughput Racks must meet limits in Table 3. For each storage tank and low throughput transfer rack comply with requirements for monitored parameters as specified in Subpart SS or alternatively comply with Table 3.	Subpart EEEE 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))

Notes: 63.2374 requires monitoring and data collection in accordance with 40 CFR Part 63 Subpart SS. 63.983(b)(1)(i) requires closed vent systems to be inspected annually. Subpart H fugitive monitoring requires a weekly visual inspection for pumps per 63.163(b)(3) or 63.163(e)(4).

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – CJ
Applicable Limits and Compliance Monitoring Requirements
Subpart EEE
NESHAP for Hazardous Waste Combustors
S-336, Manufacturing Services Thermal Oxidizer
S-389, Sym-Tet Thermal Oxidizer

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Dioxins and Furans	Subpart EEE 63.1218(a)	Y		CO ≤ 100 ppm @ 7% O2	Subpart EEE 63.1207(a)(3) 63.1209(a) 63.1209(b) 63.1209(k)	Initial C C	Source Test CO CEM Oxidizer Temperature, Flowrate or Production Rate, Maximum Feed Rate
Mercury, Hydrogen Chloride, Chlorine, Specified Metals, and Particulate Matter	Subpart EEE 63.1218(a)	Y		HCl and Cl2 combined ≤ 150 ppm @ 7% O2: or System Removal Efficiency at least 99.923% of Cl2 and chloride fed to the combustor.	Subpart EEE 63.1209(o) 63.1207(d)	Initial P - every 5-years C C C	Comprehensive Performance Test Chlorine and Chloride Feedrate Caustic Scrubber Flowrate Scrubber pH
CO and hydrocarbons	Subpart EEE 63.1218(a)	Y		CO ≤ 100 ppm @ 7% O2 and hydrocarbons ≤ 10 ppm @ 7% O2	Subpart EEE 63.1209(a) 63.1207(d)	C for CO Initial for hydrocarbons	CEM Comprehensive Performance Test

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – CJ
Applicable Limits and Compliance Monitoring Requirements
Subpart EEE
NESHAP for Hazardous Waste Combustors
S-336, Manufacturing Services Thermal Oxidizer
S-389, Sym-Tet Thermal Oxidizer

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC/ HAP	Subpart EEE 63.1218(c)	Y		Destruction Removal Efficiency (DRE) 99.99%	Subpart EEE 63.1206(b)(7) 63.1207(d)	Initial	Comprehensive Performance Test with DRE Test
					CAM Condition 26192 Part 3, Part 8	P - every 5-years w/Subpart EEE Comprehensive Performance Test	DRE test using Subpart EEE methodology
					63.1209(j)	C	Oxidizer Temperature, Flowrate or Production Rate, Maximum Feed Rate, Operation of Waste Firing System

Notes: Halogen Acid Furnaces S-336 and S-389 monitor the following: Combustion temperature, feed rate, maximum chloride feed, scrubber pH, scrubber pressure drop, scrubber liquid to gas ratio, CO concentration, stack gas flow. Subpart EEE only requires an initial test to demonstrate compliance with the Destruction Removal Efficiency limits in 63.1218(c) (See 63.1206(b)(7)). CAM Condition 26192 Part 3 and Part 8 requires Dow to conduct a Destruction Removal Efficiency test on S-336 and S-389 during each Subpart EEE comprehensive performance test.

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

S-44 N-Serve Plant
S-302 Dowacil Train 1
S-303 Dowacil Train 2
S-434 Manufacturing Services
S-446 Sym-Tet Plant
S-474 Trifluro
S-476 Trifluro
S-593, Plant 640, Section 1
S-594, Plant 640, Section 2
S-595, Plant 640, Section 3
S-596, Plant 640, Section 4
S-693 Distillation System
S-695 Storage Tank, T-580
Storage Tanks that are also subject to Subpart EEEE may also be subject to Subpart FFFF.

Table VII – CK
Applicable Limits and Compliance Monitoring Requirements
Subpart FFFF
NESHAP for Miscellaneous Organic Chemical Manufacturing

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

Note: The monitoring requirements of 40 CFR Part 63 Subpart FFFF-Miscellaneous Chemical Manufacturing will be added into the Title V permit at a future date.

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – CL
Applicable Limits and Compliance Monitoring Requirements
Subpart ZZZZ
NESHAP for Stationary Reciprocating Internal Combustion Engines
S-706, Diesel Engine for FPI Standby Generator
S-707, Diesel Engine Backup Generator P1A
S-708, Diesel Engine Backup Generator P1B
S-711, Diesel Engine Backup Generator 223

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – CM
Applicable Limits and Compliance Monitoring Requirements
Subpart DDDDD
NESHAP for Boilers and Process Heaters
S-444, U-183 Dowtherm Heater
S-460, U-83 Dowtherm Heater
S-1011, Auxiliary Boiler

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
S-336, VOC, HAPs	Condition 6859 part 4, CAM Condition #26192 part 3	Y		Minimum Organic Destruction Efficiency of 99.99% by weight	CAM Condition #26192 part 3	P – every five years in accordance with Subpart EEE	Source Test
S-336, VOC, HAPs	Condition 6859 part 4, part 6, CAM Condition #26192 part 3, part 4	Y		Minimum Temperature 1745 degrees F, Minimum Organic Destruction Efficiency of 99.99% by weight	Condition 6859 part 6, CAM Condition #26192 part 6	C	Temperature
S-389, HAPs	Condition 2039 part 5, CAM Condition #26192 part 8	Y		Minimum Organic Destruction Efficiency of 99.99% by weight	CAM Condition #26192 part 8	P – every five years in accordance with Subpart EEE	Source Test
S-389, HAPs	Condition 2039 part 1, part 5, CAM Condition #26192 part 8, part 9	Y		Minimum Temperature of 1830 degrees F, Minimum Organic Destruction Efficiency of 99.99% by weight	Condition 2039 part 13, CAM Condition #26192 part 11	C	Temperature
A-400 (S-	Condition 2213	Y		Minimum Organic	CAM Condition	P – every five	Source Test

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
400) HAPs	part 8, CAM Condition #26192 part 13			Destruction Efficiency of 64% by weight	#26192 part 13	years	
A-400 (S-400) HAPs	Condition 2213 part 8, part 9, CAM Condition #26192 part 13, part 14	Y		Minimum Temperature 1472 degrees F Minimum Organic Destruction Efficiency of 64% by weight	Condition 2213 part 9, CAM Condition #26192 part 16	C	Temperature

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – CO
Applicable Limits and Compliance Monitoring Requirements
S-800 Diesel Engine Backup Generator

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-303	N		≥ Ringelmann No. 2 for no more than 3 minutes/hour	None	N	N/A
Opacity	SIP 6-303	Y		≥ Ringelmann No. 2 for no more than 3 minutes/hour	None	N	N/A
Visible Emissions	6-1-305	N		Prohibition of nuisance	None	N	N/A
Visible Emissions	SIP 6-305	N		Prohibition of nuisance	None	N	N/A
FP	BAAQMD 6-1-310.1	N		0.15 grain/dscf	None	N	N/A
FP	SIP 6-310	Y		0.15 grain/dscf	None	N	N/A
SO_2	BAAQMD 9-1-301	N		Ground level concentration ≤ 0.5 ppm for 3 minutes, 0.25 ppm for 60 minutes, or 0.05 over 24 hours	None	N	N/A
SO_2	BAAQMD 9-1-304	N		Fuel sulfur content ≤ 0.5% by weight, unless the SO2 concentration in the resulting emissions ≤ 300 ppm, dry	None		N/A
SO_2	40 CFR 60.4207(b)	Y		Use diesel fuel that meets 15 ppm sulfur content per 40 CFR 80.510(b) for nonroad diesel	None	N	N/A
H_2S	BAAQMD 9-2-301	N		Limitation of Hydrogen Sulfide: within 24 hour period cannot exceed 0.06 ppm averaged over 3 consecutive minutes or 0.03 ppm averaged over any 60 consecutive minutes	None	N	N/A
Hours of Operation	BAAQMD 9-8-330	N		Operation for reliability-related activities ≤ 50 hours/calendar year	BAAQMD 9-8-530	C	Totalizing meter, records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – CO
Applicable Limits and Compliance Monitoring Requirements
S-800 Diesel Engine Backup Generator

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Hours of operation	Title 17, California Code of Regulations section 93115.6(a)(3)(A)(1)(c)	N		< 50 hours/year for maintenance and testing	CCR, Title 17, Section 93115.10(d)	C	Totalizing meter records
Hours of operation	40 CFR 60.4211(f)	Y		50 hours/year non-emergency operation	40 CFR 60.4209(a)	C	Totalizing meter
Hours of operation	Condition 22850, Part 1 (S-800 Only)	N		Operation for reliability-related activities ≤ 50 hours/calendar year	Condition 22850, Part 3	C	Totalizing meter, records
HC	40 CFR 60.4205(a)	Y		0.15 g/bhp-hr	40 CFR 60.4211(a)	C	Operate and maintain per mfg instructions
NOx	40 CFR 60.4205(a)	Y		2.83 g/bhp-hr	40 CFR 60.4211(a)	C	Operate and maintain per mfg instructions
CO	40 CFR 60.4205(a)	Y		2.61 g/bhp-hr	40 CFR 60.4211(a)	C	Operate and maintain per mfg instructions
PM	40 CFR 60.4205(a)	Y		0.15 g/bhp-hr	40 CFR 60.4211(a)	C	Operate and maintain per mfg instructions

VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally found in Section 600 et seq. of the regulation. The following table indicates only the test methods associated with the emission limits included in Section VII, Applicable Limits & Compliance Monitoring Requirements, of this permit.

Table VIII
Test Methods

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 19356, Part 14	Fuel Sulfur Content	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.

IX. PERMIT SHIELD

None.

X. REVISION HISTORY

Final Major Facility Review Permit Issuance 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 confidential Parts 9 and 11 were replaced with a combined POC emission limit for S-695, S-696, and S-697; this was updated to Tables IV-CN, IV-CO, IV-CP, VII-CD,

X. Revision History

VII-CE, and VII-CF. Recordkeeping requirements for all 3 sources was consolidated to part 13.

- For Condition 15944: The confidential information in Part 1 was replaced with an annual PM10 emission limit, and calculation of emissions was added to the recordkeeping requirements in Part 4; this was updated to Tables IV-CK and VII-CA for S-684.
- For Condition 18128: The confidential information in Parts 3 and 4 was replaced with annual and daily abated HCl emission limits; this was updated to Tables IV-AO and VII-AI for S-449. The confidential information in Parts 1 and 2 was replaced with annual and daily abated PM and SO2 emission limits; this was updated to Table IV-AP and VII-AJ for S-454. Clarification that emissions should be calculated was added to Part 12 and a source test requirement to Part 10.
- For Condition 20303: The confidential information in Part 1 was replaced with annual sulfuryl fluoride, HF, HCl, and SO2 emission limits and emission calculation and a source test requirement were added to Part 7; this was updated to Tables IV-CX and VII-CN for future S-712. Table VII-CN was noted as future requirements**.**

Corrections:

- Correction of a typographical error for S-507, Table IV-BE
- For Condition 4780: Asterisk added to Part 13 to indicate the condition is not-federally enforceable. Citation of Part 10, which no longer exists, was removed from part 16.

Final Issuance of Minor Permit Revision October 3, 2005
(Application #10351)

For the gasoline dispensing facility, S-174: A permit condition was added for S-174 to enforce the Enhanced Vapor Recovery Phase I system operating, maintenance and testing requirements. The Source Specific Applicable Requirements and the Applicable Limits and Compliance Monitoring tables were updated.

For the Dowicil Plant and associated storage tanks, S-302, S-303, S-662, S-663, S-664: The Manufacturing Services Thermal Oxidizer, S-336, has been added as an additional abatement option for these sources in Permit Condition 14438. This revision was also updated to the Source Specific Applicable Requirements and the Applicable Limits and Compliance Monitoring tables. The citation of Rule 8-5 was updated to reflect the current version of this rule.

For sources, S-428 and S-448: The sources have been shown to be exempt from District permit requirements and have been designated as exempt in Permit Condition 5148.

For storage tank, S-683, at the Latex Plant: The permit condition for S-683 was modified to reflect the permitted throughput increase issued under District Application 12025. This revision was also incorporated in the Source Specific Applicable Requirements and the Applicable Limits and Compliance Monitoring tables. In addition, the citation of

X. Revision History

Rule 8-5 was updated to reflect the current version of this rule, and the vapor pressure limit in the permit condition was clarified to show a basis in Rule 8-6 and that the limit applies as measured at 25 degrees C.

Title V Renewal January 15, 2016
(Application # 18262)

MFR Revision (Application # 26078, 26663, 28556 and 29321) April 15, 2020

- Correct District address and District phone number on Title Page and Section I.F.
- Name change of Facility- make change on Title page and on Header of document
- Name change of Responsible official-make change on Title page
- Correct Engineering Contact and Issuer on Title Page
- Update amendment dates in Section I.A.
- Clarify standard conditions in Sections I.B and I.H.
- Add email addresses to Sections I.F. and I.G.
- Update description on S-726, S-729, S-730, S-731 S-733 and S-735 in Table II-A
- Added description and sources in Table II-A for the following S-736, S-737, S-738, S-800
- In Table II-B; update list of sources controlled by the installation of replacement scrubbers A-72 replaced with A-410 and A-94 replaced with new scrubber A-412 in Table II-B
- In Section III- added language for exempt sources, portable equipment and provided a new link address for EPA Region 9's website and strike out old website address link.
- In Table III - Revised effective dates for BAAQMD Rules and Regulations, added BAAQMD Regulations 6, 11-18 and 14-1, corrected updated date for 40 CFR 82- to 12/1/16; added SIP Regulation 9-1
- Revised Table IV-W- changed abatement device in header description from A-72 to A-410
- Revised Table IV-X- changed the abatement device in header description from A-94 to A-412
- Revised Table IV-AW- add new applicable requirements to the facility as shown in condition #4780: part 11, part 13 and part 16(g)
- Revised Table IV-AX- add new applicable requirements to S-604 truck loading tank operation condition # 4780 part 13
- Revise IV-BZ to add and modify condition #24763 parts 1 and part 9

X. Revision History

- Revised title of Table IV-CA to remove exempt sources, change description.
- Corrected table designations for Tables IV-CK-CN.
- Added Table IV-CO which included all applicable regulations and permit condition and Table VII-CO for addition of new source S-800 Diesel Engine
- Corrected permit condition formatting throughout Section VI.
- Updated Part VI Condition #2039, replace scrubber A-94 with A-412 in permit and include A/N 28034
- Removed repetitive text from Condition # 3500.
- Updated Part VI of Permit condition 4780 to include A/N 26077 and for condition #11, increased number of rail cars from 345 to 562; condition #13, include language for limit on tank truck trips
- Updated Part VI condition 4780, part 16 recordkeeping to include part g for tank truck trips
- Updated Part VI condition 6859; replace scrubber A-72 with A-410 in permit and include A/N 28034
- Removed obsolete text from Condition # 8894
- Updated Part VI condition #22850 to add S-800 diesel engine
- Updated Part VI Condition # 24763 to include A/N 26661 and 28555 and change component list for condition 2 which included increased number of valves, connections, pumps and pressure relief devices; Added a condition 9 to address rail car shipment, and limit on rail cars in a 12-month period. Included a proposed record keeping requirement for truck and rail car trips.
- Corrected table designations for Tables VII-S through VII-CN
- Updated Table VII-W and Table VII-X changed title description of scrubbers to A-410 and A-412 and replaced old scrubber A-72 with A-410 in limit section for pH.
- Added Condition # 4780, Part 11 limit to Table VII-AW.
- Added Condition # 4780, Part 13 limit to Table VII-AX.
- Added new and missing limits from Condition # 24763 to Table VII-BZ
- Replaced scrubber A-72 with A-410 in preamble to Table VII-CG
- Added Table VII-CO- added requirements for S-800 identified in NSR # 29320
- Added description of all changes to Section X, Revision History.

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. NOx 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

XI. Glossary

E 6, E 9, E 12
Very large or very small number values are commonly expressed in a form called scientific notation, which consists of a decimal part multiplied by 10 raised to some power. For example, 4.53 E 6 equals (4.53) x (10^6) = (4.53) x (10 x 10 x 10 x 10 x 10 x 10) = 4,530,000. Scientific notation is used to express large or small numbers without writing out long strings of zeros.

EFRT
An "external floating roof tank" minimizes VOC emissions with a roof with floats on the surface of the liquid, thus preventing the formation of a VOC-rich vapor space above the liquid surface as the level in the tank drops. If such a vapor space were allowed to form, it would be expelled when the tank was re-filled. On an EFRT, the floating roof is not enclosed by a second, fixed tank roof, and is thus described as an "external" roof.

EPA
The federal Environmental Protection Agency.

Excluded
Not subject to any District Regulations.

Federally Enforceable, FE
All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to 40 CFR Part 51, subpart I (NSR), Part 52.21 (PSD), Part 60 (NSPS), Part 61 (NESHAPs), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), and also including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

FP
Filterable Particulate as measured by BAAQMD Method ST-15, Particulate.

FR
Federal Register

FRT
Floating Roof Tank (See EFRT and IFRT)

GDF
Gasoline Dispensing Facility

GLM
Ground Level Monitor

XI. Glossary

grains
1/7000 of a pound

HAP
Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by 40 CFR Part 63.

H2S
Hydrogen Sulfide

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.

XI. Glossary

Major Facility
A facility with potential emissions of: (1) at least 100 tons per year of any regulated air pollutant, (2) at least 10 tons per year of any single hazardous air pollutant, and/or (3) at least 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity of hazardous air pollutants as determined by the EPA administrator.

MEI
Methyl ester intermediate

MFR
Major Facility Review. The District's term for the federal operating permit program mandated by Title V of the Act and implemented by District Regulation 2, Rule 6.

MOP
The District's Manual of Procedures

MSDS
Material Safety Data Sheet

NA
Not Applicable

NAAQS
National Ambient Air Quality Standards

NESHAPs
National Emission Standards for Hazardous Air Pollutants. See in 40 CFR Parts 61 and 63.

NMHC
Non-methane Hydrocarbons

NMOC
Non-methane Organic Compounds (Same as NMHC)

NOCS
Notification of Compliance Status

NOx
Oxides of nitrogen.

N-Serve
An agricultural product produced at this facility.

XI. Glossary

NSPS
Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Act, and implemented by 40 CFR Part 60 and District Regulation 10.

NSR
New Source Review. A federal program for pre-construction review and permitting of new and modified sources of air pollutants for which the District is classified "non-attainment". Mandated by Title I of the Clean Air Act and implemented by 40 CFR Parts 51 and 52 as well as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

O2
The chemical name for naturally-occurring oxygen gas.

Offset Requirement
A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source and any pre-existing cumulative increase minus any onsite contemporaneous emission reduction credits. Applies to emissions of POC, NOx, 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

XI. Glossary

PRD
Pressure Relief Device

PSD
Prevention of Significant Deterioration. A federal program for permitting new and modified sources of air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 and District Regulation 2, Rule 2.

RMP
Risk Management Plan

SCR
A "selective catalytic reduction" unit is an abatement device that reduces NOx 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 NOx 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

XI. Glossary

THC
Total Hydrocarbons (NMHC + Methane)

therm
100,000 British Thermal Unit

Title V
Title V of the federal Clean Air Act. Requires a federally enforceable operating permit program for major and certain other facilities.

TOC
Total Organic Compounds (NMOC + Methane, Same as THC)

TRE
Total Resource Effectiveness

TRMP
Toxic Risk Management Plan

TSP
Total Suspended Particulate

TRS
"Total reduced sulfur" is a measure of the amount of sulfur-containing compounds in a gas stream, typically a fuel gas stream, including, but not limited to, hydrogen sulfide. The TRS content of a fuel gas determines the concentration of 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

XI. Glossary

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
min	=	minute
mm	=	millimeter
MM	=	million
MM BTU	=	million btu
mm Hg	=	millimeters of Mercury (pressure)
MW	=	megawatts
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scfm	=	standard cubic feet per minute
yr	=	year

Symbols:

<	=	less than
>	=	greater than
≤	=	less than or equal to
≥	=	greater than or equal to