Bay Area Air Quality Management District

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

Proposed

MAJOR FACILITY REVIEW PERMIT

Issued To:

Dow Chemical Company
Facility #A0031

Facility Address:
901 Loveridge Road
Pittsburg, CA 94565

Mailing Address:
P.O. Box 1398
Pittsburg, CA 94565

Responsible Official	**Facility Contact**
John Sampson, Site Leader	Andree Youngson, Environmental Specialist
Telephone #925 432-5353	**Telephone #925 432-5639**

Type of Facility:	Chemical Manufacturing	BAAQMD Contact:
Primary SIC:	2879	Tamiko Endow
Product:	Agricultural Chemicals and Synthetic Resins	

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

_____ _____
Jack P. Broadbent, Executive Office/Air Pollution Control Officer Date

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I. STANDARD CONDITIONS

A. Administrative Requirements

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

BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 5/2/01);
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 8/1/01);
SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 5/17/00);
SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 5/17/00);
SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 1/26/99); and
BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 4/16/03).

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

1. This Major Facility Review Permit was issued on December 1, 2003, and expires on November 30, 2008. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than May 31, 2008 and no earlier than November 30, 2007. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after** November 30, 2008**.** (Regulation 2-6-307, 404.2, & 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 to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (MOP Volume II, Part 3, §4.11)

C. Requirement to Pay Fees

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

D. Inspection and Entry

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

E. Records

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

I. Standard Conditions

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

F. Monitoring Reports

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

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

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

G. Compliance Certification

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

Director of the Air Division
USEPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Attention: Air-3

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

I. Standard Conditions

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. 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, 11 loading arms, 11 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
25	T-734 Material Flow-Latex	Fixed Roof Tank, bottom/submerged fill	424,000 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	67,000 gallons
29	T-608A Terminalized Products	Fixed Roof Tank, bottom/submerged fill	331,000 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	142,000 gallons
35	T-773 Terminalized Products	Fixed Roof Tank, bottom/submerged fill	96,000 gallons
36	N-Serve Plant Storage	Fixed Roof Tank, bottom/submerged fill	430,000 gallons
40	Utilities Water Treatment Tank T-24	Fixed Roof Tank	1,100 gallons
44	N-Serve Plant	Reactors, Columns, and Tanks	
45	T-1 N-Serve	Fixed Roof Tank, bottom/submerged fill	15,000 gallons
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
55	T-30 N-Serve	Pressure Tank, bottom/submerged fill, nitrogen blanketed, heat transfer fluid	1,700 gallons
56	T-31 N-Serve	Fixed Roof Tank, bottom/submerged fill	50,000 gallons
57	T-32 N-Serve	Fixed Roof Tank, part splash/part submerged fill	14,700 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
135	HCl Storage Tank T-606A	Rubber-Lined Fixed Roof Tank	250,000 gallons
136	HCl Storage Tank T-606B	Rubber-Lined Fixed Roof Tank	250,000 gallons
137	HCl Storage Tank T-606C	Rubber-Lined Fixed Roof Tank	400,000 gallons
138	HCl Storage Tank T-606D	Rubber-Lined Fixed Roof Tank	400,000 gallons
139	HCl Storage Tank T-606E	Rubber-Lined Fixed Roof Tank	400,000 gallons
140	HCl Storage Tank T-606F	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	300,000 gallons
174	GDF, G#131	EMCO Wheaton vapor valve, 2 OPW nozzles, 1 pump, splash fill; 10,000 gallon underground tank – submerged fill, Phase I – 2 point; Phase II – balance	940,000 gallons/12 months

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. 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
176	Chloralkali Cooling Tower H-1A	Marley Class 600	378,000 kg/second
177	Chloralkali Cooling Tower H-1B	Marley Class 600	378,000 kg/second
178	Chloralkali Cooling Tower H-2A	Marley Class 600	378,000 kg/second
179	Chloralkali Cooling Tower H-2B	Marley Class 600	378,000 kg/second
198	T-366 Latex Plant Process Recycle Tank	Separation Tank	
199	T-367 Latex Plant Process Tank	Separation Tank	
207	T-5 Latex Plant; Butadiene Storage	Pressure Tank, submerged fill	20,000 gallons
208	T-6 Latex Plant; Butadiene Storage	Pressure Tank, bottom/submerged fill	20,000 gallons
209	T-1 Latex Plant-Styrene Storage Tank	Pressure Tank, bottom/submerged fill	34,000 gallons
222	T-3 Latex Plant; Hydroxyethyl Acrylate Storage	Fixed Roof Tank, bottom/submerged fill	5,800 gallons
226	T-364 Latex Plant-Process Tank	Pressure Tank, bottom/submerged fill	2,900 gallons
229	RM-1 Latex Plant Tank Car Unloading (Butadiene, Acrylonitrile)	Dow Custom Design, 2 unloading arms, 1 pump, bottom/submerged fill	25,000 lbs/hour
286	Railcar Purging Facility At Car-Barn	Hoses, water scrubber, water tanks	22,000 Gallons
302	Dowicil Train 1	Littleford Reactor/Drier Train	
303	Dowicil Train 2	Littleford Reactor/Drier Train	
308	Fumigants Cylinder Paint Hood C-11	Dow Custom Design Spray Booth, air atomized sprayer, Binks HVLP spray guns	
311	Fumigants Gas Cylinder Handling Area C-9	DeVilbiss Hood	
312	Fumigants Cylinder Valve Removal Area Dow C-8	Westinghouse AX1HC	
314	Fumigants Paint Booth F-2	Dow Custom Design Spray Booth, air atomized sprayer, Binks HVLP spray guns	
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
326	T-601	Fixed Roof Tank, bottom/submerged fill	500 gallons
336	Manufacturing Services Thermal Oxidizer	Custom Design, burning natural gas, process vents, and waste liquids	4,998,000 BTU/hour, 650 lb/hour liquid waste
345	T-1 Vikane Plant - Storage Tank	Fixed Roof Tank, bottom/submerged fill	400 gallons
346	T-241	Fixed Roof Tank, bottom/submerged fill	400 gallons
372	T-20 in Block 560	Fixed Roof Tank, bottom/submerged fill	380 gallons
382	N-Serve Unit Storage T-783	Fixed Roof Tank, bottom/submerged fill	116,000 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. 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
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
400	Experimental Thermal Oxidizer R-901	Custom Design, tube fired boiler, burning natural gas and liquid waste	2,000,000 BTU/hour
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
421	T-368 Latex Plant-Process Recycle Tank	Pressure Tank, bottom/submerged fill	
428	H-300 Sym-Tet Processing	Dow Custom Design, 25 feet X 15 feet	
429	T-130A Environmental Services	Pressure Tank, bottom/submerged fill	26,600 gallons
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	
444	U-183 Dowtherm Heater	Eclipse Process Heater, Alzeta low NOx burners, natural gas	25,000,000 BTU/hour
446	Sym-Tet Plant	Chemical Reactors, Columns, Tanks, and Compressors	
447	T-774	Fixed Roof Tank, part splash/part submerged fill	97,000 gallons
448	H-200 Sym-Tet	Dow Custom Design, Separation/purification	0.31 tons/hour
449	T-30 HC1	36% HCl	500 gallons
454	Vikane Plant Registration 25722	Reactors, tanks, columns	
458	T-80 in Block 660	Pressure Tank, insulated, part splash/part submerged fill	600 gallons
460	U-83 Dowtherm Burner	Process Heater, Eclipse Lookout 1250-8 VHC, Coen Low NOx Burners, natural gas	25,000,000 BTU/hour
461	Plant 663 R-401 Reactor	Pfaudler	
462	Plant 663 R-402 Reactor	Pfaudler	
463	Plant 663 F-403 Separator	Tolhurst Batch-O-Matic 48 inches X 30 inches	
464	Plant 663 D-413 Dryer	Rotary Dryer, 3 feet diameter X 10 feet	
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	67 tons/hour
489	B-100 Latex Still	Dow Custom Design, distillation column	
490	B-310 Partial Condenser	Dow Custom Design, spray tower	
491	T-363	Pressure Tank, bottom/submerged fill	
492	T-403 Environmental Services	Pressure Tank, bottom/submerged fill	33,400 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. 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
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	10,000 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
506	T-404 Storage Tank Environmental Services	Pressure Tank, nitrogen blanketed, bottom/submerged fill	51,600 gallons
507	Latex Plant Reactor R-100	Pfaudler Reactor	
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	2276 gallons
531	T410C Storage Tank Tote	Fixed Roof Tank, bottom/submerged fill	630 gallons
532	T410D Storage Tote Tank	Fixed Roof Tank, bottom/submerged fill	630 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	12,800 gallons
580	T-3A Specialty Chemicals Storage Tank	Pressure Tank, part splash/part submerged fill	4,000 gallons
581	T-3B Specialty Chemicals Storage Tank	Pressure Tank, part splash/part submerged fill	7,500 gallons
582	T-215 Specialty Chemicals Storage Tank	Pressure Tank, bottom/submerged fill	15,100 gallons
583	T-200 Specialty Chemicals Storage Tank	Pressure Tank, bottom/submerged fill	15,100 gallons
586	T-371 Recycle Tank	Pressure Tank, bottom/submerged fill	2,700 gallons
587	Tank Truck Loading at Latex for Recycle Styrene	Dow Custom Design, 1 nozzle with Kamvaloc fittings, 1 pump, submerged fill	100 gallons/minute
588	Drum Filling Station	GEA/TILL Custom Design	
589	Product Recovery Tank T-203	Fixed Roof Tank, bottom/submerged fill	100 gallons
593	Plant 640, Section 1	Reactors, Columns, Tanks, Centrifuges, and Dryer	
594	Plant 640, Section 2	Reactors, Columns, and Tanks	
595	Plant 640, Section 3	Reactors, Columns, and Tanks	
596	Plant 640, Section 4	Reactors, Column, and Tanks	
604	Truck Loading Facility Plant 640	Dow Custom Design, 1 loading arm, 1 pump, submerged fill	
607	T-1904 Plant 640	Pressure Tank, part splash/part submerged fill	8,000 gallons
609	Acetone Truck Loading 720 Rack	Dow Custom Design, 1 loading arm, 1 pump, submerged fill	300 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. 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
620	HCl Truck Loading Operation	Dow Custom Design, 1 loading arm, 1 pump, splash fill	300 gallons/minute
625	T-610 PERC Expansion Tank	Pressure Tank, part splash/part submerged fill	275 gallons
631	D-203C Portable Resin Drier	Resin Bed Dryer, 200 cfm, solvent circulation 35 tons/hour	150 gallon
633	Water Treatment Carbon Beds Regeneration	Dow Custom Design, 4 carbon beds, steam regeneration system, heat exchanger	600 gallons/minute
638	Truck Mounted Bulk Transportable Pressure Tank X-205	Pressure Tank, part splash/part submerged fill	5,100 gallons
641	T-440 Groundwater Treatment Plant Decant Tank	Pressure Tank, bottom/submerged fill	5,260 gallons
644	T-34A 36% Hydrochloric Acid Storage Tank	Fixed roof tank, bottom fill	25,000 gallons
645	T-34B, 36% Hydrochloric Acid Storage Tank	Fixed roof tank, bottom fill	25,000 gallons
646	36% Hydrochloric Acid Tank Truck Loading Operation	Dow Custom Design, 1 loading arm, 2 pump, splash fill	
647	Catalytic Hydrogen Chloride Plant	Dow Custom Design, 4 Reactors, 2 process tanks	
648	E-277 HCl Absorber	Custom Design	
649	T-277 36% HCl Storage Tank	Pressure tank, top fill	2,000 gallons
650	T-280A 36% HCl Storage Tank	Pressure tank, bottom fill	10,000 gallons
651	T-280B 36% HCl Storage Tank	Pressure tank, bottom fill	10,000 gallons
652	T-280C 36% HCl Storage Tank	Pressure tank, bottom fill	10,000 gallons
654	Abrasive Blasting Operation	Dow Custom Design	0.13 tons/hour
662	Storage Tank, T-243	Pressure Tank, bottom/submerged fill	15,000 gallons
663	Storage Tank, T-242	Pressure Tank, bottom/submerged fill	15,000 gallons
664	Storage Tank, T-244	Pressure Tank, bottom/submerged fill	10,000 gallons
675	Carbon Tetrachloride Railcar Storage	Pressurized Rail Car, part splash/part submerged fill	20,000 gallons
680	T-440 Pressure Vessel Storage Tank	Pressure Tank, splash fill, Carbon tetrachloride	25,000 gallons
681	Truck Transfer	Dow Custom Design, 1 loading arm, 1 pump, part splash/part submerged fill	Gravity fed
682	B-250 Groundwater Treatment Plant Air Stripper	Dow Custom Design, air stripper, 250 scfm	100 gallons/minute groundwater
683	D-110A Storage Vessel	Pressure Tank, submerged fill, insulated	10,000 gallons
684	Dowicil Packaging System	Dow Custom Design	
693	Distillation System	2 columns; 4 tanks	
694	Reaction/HCL Absorption System	2 columns; 2 reactors; 4 tanks	
695	T-580 FTF Storage	Pressure tank,	1,000 gallons
696	T-585	Pressure tank	8,800 gallons
697	ISO Container Loading Operation	one CARB 15 loading arm, one pump	
699	Purge Tank/Drum Loading Operation	Gravity fed – no loading arms, nozzles, or pumps	

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. 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
701	T-12 at Manufacturing Services	Fixed roof tank, White, 8 ft diam, may be operated as a pressure tank	3750 gallons
704	Acrylonitrile Storage Tank D120-A	FUTURE Source – Pressure tank	37,200 gallons
705	Shot Blast Unit	Steel shot, 2 min/batch	32 pounds/hour
706	Diesel Engine for FPI Standby Generator	885 in3 displacement, Diesel fuel	535 hp
707	Detroit Diesel Standby Generator P1A	552 in3 displacement, Diesel fuel	328 hp
708	Detroit Diesel Standby Generator P1B	552 in3 displacement, Diesel fuel	328 hp
709	DMT Standby Generator 471A	226 in3 displacement, Propane	58 hp
710	Onan Standby Generator	210 in3 displacement, Diesel fuel	52 hp
711	Onan Standby Generator	239 in3 displacement, Diesel fuel	86 hp
712	Sulfuryl Fluoride Plant	FUTURE source – Dow custom design, 2 reactors, 2 columns, heat exchangers, in-process tanks	
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
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
42	B-368 Latex Plant Styrene Scrubber – packed bed scrubber	S-198, S-199, S-226, S-421, S-489, S-490, S-491, S-507, S-586	BAAQMD 8-36-301 Condition 4002 Condition 16610	Styrene scrubber concentration	POC ≤ 10 lbs/day or abated ≥ 95% Styrene ≤ 346 lbs/day, prior to abatement Emissions vented to S-336 or S-389 ≥ 90% of Latex Plant operating time. When unabated, styrene scrubber concentration ≥ 80%, weight.

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
46	B-7 Caustic Scrubber at Vikane - packed bed scrubber	S-268, S-269, S-454	BAAQMD 6-301 6-310 6-311 9-1-302 Condition 18128	Caustic concentration	Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr 300 ppm SO2 HCl: 99% control by weight or emit ≤ 0.0023 lbs/hour. HF: 97% control by weight or emit ≤ 0.59 lbs/hour. Other acids: 99% control by weight or emit ≤ 0.025 lbs/hour. For SO2: 99% control by weight or emit ≤ 0.61 lbs/hour. caustic ≥ 2% by weight
54	B-15 Demister –mist eliminator, spray/irrigated	S-336 (A-21 upstream)	BAAQMD 6-301 6-310 6-311 Condition 6859		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr
55	Maintenance – packed bed scrubber	S-286	BAAQMD 6-301 6-310 6-311		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr
72	B-16 Caustic Scrubber – packed bed scrubber	S-336 (A-21 upstream)	BAAQMD 6-301 6-310 6-311 Condition 6859		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr
74	B-502 Caustic Scrubber – packed bed scrubber	S-389 (A-94 upstream)	BAAQMD 6-301 6-310 6-311 Condition 2039		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr
75	X-505 Particulate Scrubber – preformed spray scrubber	S-389 (A-74 upstream)	BAAQMD 6-301 6-310 6-311 Condition 2039		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr
76	B-503A Carbon Adsorber – activated carbon adsorption	S-389 (A-75 upstream)	BAAQMD 8-1-110.3/8-2-301 Condition 2039		

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
77	R-502 Nonselective Catalytic Reduction Unit	S-389 (A-76, A-80 upstream)			
79	Packed Scrubber B-902 – packed bed scrubber	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-446, S-454, S-516 (exempt), S-517 (exempt), S-576 (A-87 upstream)	BAAQMD 6-301 6-310 6-311 8-2-301 9-1-302 Condition 17985		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr 15 lbs/day & 300ppm carbon 300 ppm SO2 No detectable leaks in piping.
86	B-14 A & B Karbate Acid Absorber – vapor recovery	S-336	BAAQMD 6-301 6-310 6-311 Condition 6859		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr
87	HCl Absorber/Heat Exchanger, H-109 – vapor recovery	S-44, S-434, S-446, S-454, S-516 (exempt), S-517 (exempt), S-576	BAAQMD 6-301 6-310 6-311 8-2-301 9-1-302 Condition 17985		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr 15 lbs/day & 300ppm carbon 300 ppm SO2 No detectable leaks in piping.
88	B-106 Sym-Tet Scrubber – packed bed scrubber	S-44, S-446, S-630	BAAQMD 6-301 6-310 6-311 8-2-301		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr 15 lbs/day & 300 ppm carbon
89	X-3 Emergency Venturi at N-Serve/Sym-Tet – venturi scrubber	S-44, S-446	BAAQMD 6-301 6-310 6-311 8-2-301		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr 15 lbs/day & 300 ppm carbon

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
90	H-30 Acid Absorber – vapor recovery by absorption	S-454	BAAQMD 6-301 6-310 6-311 9-1-302 Condition 18128		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr 300 ppm SO2 Combined HCl removal efficiency of ≥ 99.99% by wt or emissions from A-91 ≤ 0.068 lbs/hr
91	B-30 Absorber – vapor recovery by absorption	S-449, S-454 (A-90 upstream)	BAAQMD 6-301 6-310 6-311 9-1-302 Condition 18128	Temperature	Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr 300 ppm SO2 Combined HCl removal efficiency of ≥ 99.99% by wt or emissions from A-91 ≤ 0.068 lbs/hr
94	B-501 Acid Absorber – packed bed scrubber	S-389	BAAQMD 6-301 6-310 6-311 Condition 2039		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr
95	F-413 Bag Filter – reverse jet baghouse	S-464	BAAQMD 6-301 6-310 6-311 Condition1359		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr
96	B-405 Acid Absorber & Tails Tower – vapor recovery	S-461, S-462	BAAQMD 6-301 6-310 6-311 8-2-301		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr 15 lbs/day & 300 ppm carbon
97	B-201 Organic Scrubber – packed bed scrubber	S-474, S-476	BAAQMD 6-301 6-310 6-311 8-2-301		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr 15 lbs/day & 300 ppm carbon

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
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)	BAAQMD 6-301 6-310 6-311 8-2-301		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr 15 lbs/day & 300 ppm carbon
100	B-230 Scrubber – packed bed scrubber	S-474, S-476 (A-97 upstream)	BAAQMD 6-301 6-310 6-311 8-2-301		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr 15 lbs/day & 300 ppm carbon
101	H-205 Falling Film Absorber – vapor recovery by absorption	S-474 (A-99 upstream)	BAAQMD 6-301 6-310 6-311 8-2-301		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr 15 lbs/day & 300 ppm carbon
102	B-206 Scrubber – vapor recovery by absorption	S-474 (A-101 upstream)	BAAQMD 6-301 6-310 6-311 8-2-301		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr 15 lbs/day & 300 ppm carbon
114	Vacuum System with Condenser – Condenser	S-464 (A-95 upstream)	BAAQMD 6-301 6-310 6-311 Condition 1359		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr
121	In-Process Technology Thermal Abatement Device – high temperature packed bed	S-504, S-505, S-625	BAAQMD 8-2-301 Condition 2213	Temperature	15 lbs/day & 300 ppm carbon 99.0% wt organic DRE, 3 hr ave. – unless emissions vented through S-400. Temp ≥ 1800 degF. residence time ≥ 1 second if organic gases are being processed.

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
140	Specialty Chemicals Pressure Storage Tanks Vapor Balance System – vapor balance	S-580, S-581, S-582, S-583	Condition 3195		
141	Vapor Balance System for Latex, Recycle Styrene Truck Loading – vapor balance	S-587 (to S-586)	Condition 4002		
142	Vapor Balance System from Drum Filling Station to Truck Mount Bulk Pressure Vessel – vapor balance	S-588, except for Lorsban 4E-HF (to S-638)	Condition 3712		
146	B-3000 Scrubber – packed bed scrubber	S-593, S-606	BAAQMD 8-2-301		15 lbs/day & 300 ppm carbon
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

II. Equipment

Table II B – Abatement Devices

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

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
161	Sorbathene for Acetone Truck Loading – activated carbon adsorption	S-609	BAAQMD 8-6-302.1 8-6-305 Condition 5180		0.34 lbs/mgal Capture efficiency ≥ 95% weight; POC emissions after abatement ≤ 0.35 lbs/1000 gallons
165	HCl Truck Loading Scrubber System – packed bed scrubber	S-620	BAAQMD 6-301 6-310 6-311 Condition 4945		Ringelmann 1 0.15 gr/dscf $4.10\ P^{0.67}$ lb/hr
167	Vapor Balance System for Chlorinated Pyridines Truck Loading – vapor balance	S-622 (to S-623)	Condition 5384		
168	B-609 Emergency Backup Caustic Scrubber – packed bed scrubber	S-446	BAAQMD 6-301 6-310 6-311 8-2-301 Condition 5385		Ringelmann 1 0.15 gr/dscf $4.10\ P^{0.67}$ lb/hr 15 lbs/day & 300 ppm carbon
175	Utilities T-24 Scrubber – packed bed scrubber	S-40	BAAQMD 6-301 6-310 6-311		Ringelmann 1 0.15 gr/dscf $4.10\ P^{0.67}$ lb/hr
177	Container Loading Vapor Balance Line – vapor balance	S-588, except for Lorsban 4E-HF (to S-638)	Condition 3712		
179	X-39/B-39 Scrubber System – packed bed and venturi scrubbers	S-644, S-645, S-646 (A-180 upstream)	BAAQMD 6-301 6-310 6-311 Condition 7775		Ringelmann 1 0.15 gr/dscf $4.10\ P^{0.67}$ lb/hr
180	HCl Tank Truck Loading Vapor Return Line – vapor balance	S-646	BAAQMD 6-301 6-310 6-311 Condition 7775		Ringelmann 1 0.15 gr/dscf $4.10\ P^{0.67}$ lb/hr
181	B-278 Packed Bed Column – packed bed scrubber	S-648, S-649, S-650, S-651, S-652	BAAQMD 6-301 6-310 6-311 Condition 8894	.	Ringelmann 1 0.15 gr/dscf $4.10\ P^{0.67}$ lb/hr

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
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
184	ME 290A/B Carbon Beds – activated carbon adsorption	S-648, S-649, S-650, S-651, S-652 (A-182 upstream)	BAAQMD 6-301 6-310 6-311 8-2-301 Condition 8894		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr 15 lbs/day & 300 ppm carbon VOC concentration > 10 ppmv, S-648 must be shutdown or abated by S-336.
185	Eagle Containment Screens – shrouds	S-654	BAAQMD 6-301 6-310 6-311		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr
191	CCl4 Tank Truck Loading Vapor Return Line – vapor balance	S-681	BAAQMD 8-6-302.1 8-6-304 8-6-305 Condition 14354		0.34 lbs/mgal 0.17 lbs/mgal
192	Vent Recovery System – vapor recovery by refrigeration	S-302, S-303, S-662, S-663, S-664	BAAQMD 8-2-301 Condition 14438		15 lbs/day & 300 ppm carbon
193	Cartridge Dust Collector System – pulse jet baghouse	S-684	BAAQMD 6-301 6-310 6-311 Condition 15944	Backpressure	Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr
194	X-600 Venturi Scrubber - 2300 ACFM	S-693	BAAQMD 6-301 6-310 6-311 Condition 15932	Caustic circulation rate	Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr Alkali solution circulation rate ≥ 17 gal/min when S-693 processing FTF.

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
195	B-615 Scrubber – Dow Design	S-693, S-694 (A-194 upstream)	BAAQMD 6-301 6-310 6-311 Condition 15932	Caustic circulation rate	Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr Alkali solution circulation rate ≥ 50 gal/min when S-694 processing organics.
197	B-4 Caustic Scrubber – packed bed scrubber	S-268, S-269, S-454	BAAQMD 6-301 6-310 6-311 9-1-302 Condition 18128	Caustic concentration	Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr 300 ppm SO2 HCl: 99% control by weight or emit ≤ 0.0023 lbs/hour. HF: 97% control by weight or emit ≤ 0.59 lbs/hour. Other acids: 99% control by weight or emit ≤ 0.025 lbs/hour. For SO2: 99% control by weight or emit ≤ 0.61 lbs/hour. caustic ≥ 2% by weight
198	Dust Collector - Wheelabrator #44 Mod 36 WCC	S-705	BAAQMD 6-301 6-310 6-311 Condition 17683		Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr
199	Manufacturing Services Scrubber B-12 - Dow Design 26inch I.D. X 12feet Packed Bed Caustic Scrubber	S-4, S-434, S-446, S-454, S-576 (A-85, A-87 upstream)	BAAQMD 6-301 6-310 6-311 8-2-301 Condition 17985	Caustic concentration	Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr 15 lbs/day & 300 ppm carbon Caustic ≥ 1% by weight
200	Sootlifter - Mine - X Sootlifter	S-706	Condition 18317		

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
201	Future Abatement Device: Venturi Scrubber X-100	S-311, S-312, S-712	BAAQMD 6-301 6-310 6-311 9-1-302 Condition 20302 Condition 20303	Water flowrate	Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr 300 ppm SO2 Combined control efficiency ≥ 98.5% for sulfuryl fluoride and 99.98% for all other pollutants Water flowrate ≥ 145 gal/minute
202	Future Abatement Device: Caustic Scrubber B-105	S-712	BAAQMD 6-301 6-310 6-311 9-1-302 Condition 20303	Caustic flowrate Caustic pH	Ringelmann 1 0.15 gr/dscf 4.10 $P^{0.67}$ lb/hr 300 ppm SO2 Combined control efficiency ≥ 98.5% for sulfuryl fluoride and 99.98% for all other pollutants Caustic flowrate ≥ 50gal/minute PH ≥ 8
203	Future Abatement Device: Carbon Adsorber, 8000 lbs carbon, 5000 cfm	S-308	Condition 20301	Organic concentration	8000 lbs carbon NMOC ≤ 7 ppmv, as propane after 1450 gallons coating applied since last carbon change
204	Future Abatement Device: Sulfuryl Fluoride Recovery System	S-311, S-312	Condition 20302	Coolant pressure	Coolant pressure ≤ 101 psia

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
-336	Manufacturing Services Thermal Oxidizer – furnace/firebox	S-4, S-5, S-6, S-7, S-27, S-29, S-30, S-31, S-33, S-35, S-151, S-153, S-198, S-199, S-226, S-321, S-322, S-323, S-324, S-421, S-431 and S-432 if not operated as pressure vessels, S-434, S-482, S-489, S-490, S-491, S-492, S-506, S-507, S-521, S-531 and S-532 vents, S-535, S-586, S-631, S-641, S-644, S-645, S-648, S-649, S-650, S-651, S-652, S-682, S-701 (A-42, A-125, A-180, A-182 upstream)	BAAQMD 6-301 6-310 6-311 8-2-301 Condition 2501	Temperature Liquid feedrate	Ringelmann 1 0.15 gr/dscf $4.10\ P^{0.67}$ lb/hr 15 lbs/day & 300 ppm carbon
-389	Sym-Tet Thermal Oxidizer R-501 – furnace/firebox	S-5, S-6, S-7, S-27, S-29, S-30, S-31, S-33, S-35, S-44, S-151, S-153, S-198, S-199, S-226, S-302, S-303, S-421, S-446, S-482, S-489, S-490, S-491, S-507, S-519, S-520, S-521, S-531, S-532, S-586, S-641, S-662, S-663, S-664, S-682 (A-42, S-192 upstream)	BAAQMD 6-301 6-310 6-311 8-2-301 Condition 2039	Temperature Oxygen Liquid feedrate	Ringelmann 1 0.15 gr/dscf $4.10\ P^{0.67}$ lb/hr 15 lbs/day & 300 ppm carbon

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Monitored Parameters	Limit or Efficiency
-400	Experimental Thermal Oxidizer R-901	S-372, S-504, S-505, S-625	BAAQMD 8-2-301 Condition 2213	Temperature	15 lbs/day & 300 ppm carbon 800 degrees C
401	Acid Absorber, B-901	S-402, S-504, S-505, S-625 (A-121 upstream)	BAAQMD 6-301 6-310 6-311 Condition 2213 Condition 5147		Ringelmann 1 0.15 gr/dscf $4.10\ P^{0.67}$ lb/hr

Table II C – Significant Sources

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

S-#	Description	Make or Type	Model	Capacity
	Cooling Towers			
	Internal Combustion Engines			< 50 hp, diesel

III. GENERALLY APPLICABLE REQUIREMENTS

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

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

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

The full language of SIP requirements is on EPA Region 9's website. The address is included at the end of this permit.

NOTE:

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

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (8/1/01)	N
BAAQMD 2-1-429	Federal Emissions Statement (6/7/95)	Y
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y
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 (3/6/02)	N
SIP Regulation 5	Open Burning (9/4/98)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	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 (6/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (11/21/01)	N
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (2/18/98)	Y
BAAQMD Regulation 8, Rule 4	Organic Compounds - General Solvent and Surface Coating Operations (10/16/02)	N
SIP Regulation 8, Rule 4	Organic Compounds - General Solvent and Surface Coating Operations (12/23/97)	Y
BAAQMD Regulation 8, Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (9/16/87)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (12/15/99)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds – Air Stripping and Soil Vapor Extraction Operations (6/15/94)	Y
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 6	Inorganic Gaseous Pollutants – Nitrogen Oxide Emissions from Natural Gas Fired Water Heaters	N
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	Y
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y
California Health and Safety Code Section 44300 et seq.	Air Toxics “Hot Spots” Information and Assessment Act of 1987	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (6/19/95)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (2/21/95)	
Subpart F, 40 CFR 82.156	Leak Repair	Y
Subpart F, 40 CFR 82.161	Certification of Technicians	Y
Subpart F, 40 CFR 82.166	Records of Refrigerant	Y

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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

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

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

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is included at the end of this permit. All other text may be found in the regulations themselves.

Table IV-A
Source-specific Applicable Requirements
Facility

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-107	Combination of Emissions	Y	
BAAQMD Regulation 8, Rule 5	**Organic Compounds – Storage of Organic Liquids (11/27/02)**		
8-5-328	Tank Degassing Requirements	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 (7/20/83)**		
8-10-301	Process Vessel Depressurizing	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
NESHAP Title 40 Part 63 Subpart A	**General Provisions of MACT Standards (03/16/94)**		
40 CFR 63.1	Applicability	Y	
40 CFR 63.2	Definitions	Y	
40 CFR 63.4	Prohibited activities and circumvention	Y	
40 CFR 63.5	Construction and Reconstruction	Y	
40 CFR 63.6	Compliance with standards and maintenance requirements	Y	
40 CFR 63.7	Performance testing requirements	Y	
40 CFR 63.8	Monitoring requirements	Y	
40 CFR 63.9	Notification requirements	Y	
40 CFR 63.10	Record keeping and reporting requirements	Y	
40 CFR 63.11	Control Device Requirements	Y	
40 CFR 63.12	State Authority and Delegations	Y	
40 CFR 63.13	Addresses of EPA Regional Offices	Y	
40 CFR 63.14	Incorporation by Reference	Y	
40 CFR 63.15	Availability of Information and confidentiality	Y	
40 CFR 63	**National Emission Standards for Hazardous Air Pollutants for Source Categories: General Provisions; and Requirements for Control Technology Determinations for Major Sources in Accordance with Clean Air Act Sections, Section 112(g) and 112(j); Final Rule**		
63.52	Approved process for new and existing affected sources.	Y	
63.52(a)	Sources subject to section 112(j) as of the section 112(j) deadline	Y	
63.52(a)(1)	Submit an application for Title V permit revision	Y	
63.52(e)	Permit application review	Y	
~~63.52(e)(1)~~	~~Submit a Part 2 MACT application meeting the requirements of 63.53(b) for Organic Liquids Distribution~~	~~Y~~	~~10/30/03~~
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of 63.53(b) for Process Heaters, burning no hazardous waste	Y	4/28/04
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	8/13/05
63.52(h)	Enhanced monitoring	Y	
63.52(h)(i)	MACT emission limitations	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
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	
40 CFR, Part 63, Subpart EEEE	**National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline) (2/3/2004)**	Y	compliance by 2/5/2007
40 CFR, Part 63, Subpart FFFF	**National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing (11/10/2003)**	Y	compliance by 11/10/2006
40 CFR, Part 63, Subpart GGGGG	**National Emission Standards for Hazardous Air Pollutants: Site Remediation (10/8/2003)**	Y	compliance by 10/9/2006
~~**BAAQMD Condition #21063**~~			
~~Part 1~~	~~Application content for case-by-case MACT determination (40 CFR 63.53(b), 2-6-409-10.3)~~	~~Y~~	
~~Part 2~~	~~Reporting Requirement (40 CFR 63.53(b), 2-6-409-10.3)~~	~~Y~~	
~~Part 3~~	~~Termination of schedule of compliance (40 CFR 63.53(b), 2-6-409-10.3)~~	~~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 1	**General Provisions and Definitions (5/2/01)**		
1-301	Public Nuisance	N	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
40 CFR, Part 63, Subpart NNNNN	**National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4/17/2003)**	Y	compliance by 4/17/2006
BAAQMD Condition #17985			
Part 1	Abatement Requirement during hydrochloric acid loading (6-310, 7-300, 2-1-403)	Y	

IV. Source-specific Applicable Requirements

Table IV-C
Source-specific Applicable Requirements
S-5, 720 Terminalized Products
Styrene Loading Abated by A-150, 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	
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 styrene 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-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-25, Material Flow Latex Tank, T-734
Abated by A-151, Vapor Balance System for Styrene Unloading

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-306	Requirements for Approved Emission Control Systems	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-501	Records	Y	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
BAAQMD Condition #5377			
Part 1	Abatement during Styrene Loading (voluntary limit)	N	
Part 2	Abatement required for organic materials with vapor pressure ≥ 0.5 psia (8-5-301)	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-306	Requirements for Approved Emission Control Systems	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-501	Records	Y	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
NSPS Subpart Kb Sections:	**Standards of Performance for Volatile Organic Liquid Storage Vessels**: This regulation applies only when storing a volatile organic liquid as defined in 40 CFR 51.100.		
60.112b(b)	Closed vent system and control device	Y	
60.112b(a)(3)(i)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device no detectable emissions	Y	
60.112b(a)(3)(ii)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction	Y	
60.113b(c)	Testing and Procedures; Closed vent system and control device (not flare)	Y	
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not flare) operating plan submission	Y	
60.113b(c)(1)(i)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--efficiency demonstration	Y	
60.113b(c)(1)(ii)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--monitoring parameters	Y	
60.113b(c)(2)	Testing and Procedures; Closed vent system and control device (not flare) operate in accordance with operating plan	Y	
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
BAAQMD Condition #11276			
Part 1	Abatement Requirement (8-5-306)	Y	
Part 2	Vapor-tight connections (8-5-306)	Y	

IV. Source-specific Applicable Requirements

Table IV – H
Source-specific Applicable Requirements
[Tanks storing liquids with vapor pressure ≤ 0.5 psia]
S-28, T-605B Material Flow
S-36, N-Serve Plant Storage
S-45, T-1 N-Serve
S-56, T-31 N-Serve
S-57, T-32 N-Serve
S-61, T-780 N-Serve
S-62, T-781 N-Serve
S-63, T-782 N-Serve
S-222, Latex Plant – Hydroxyethyl Acrylate Storage, T-3
S-345, T-1 Vikane Plant – Storage Tank
S-346, T-241
S-372, T-20 Block 560 Storage Tank, Abated by S-400, Experimental Thermal Oxidizer R-901
S-382, N-Serve Unit Storage T-783
S-383, Petroleum Hydrocarbon Distillate Tank
S-407, T-728 N-Serve Formulation Tank
S-447, T-774
S-466, Plant 663 T-408A Intermediate Product Storage
S-467, Plant 663 T-408B Intermediate Product Storage
S-498, Sym Tet T-102 Storage Tank

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #21059			
Part 1	Restriction on vapor pressure to ≤ 0.5 psia (Regulation 2-1-301)	Y	
Part 2	Recordkeeping Requirement (Regulation 2-1-403, 2-6-501)	Y	

IV. Source-specific Applicable Requirements

Table IV – I
Source-specific Applicable Requirements
[1.5 to 11 psia, > 75 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 (06/05/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-306	Requirements for Approved Emission Control Systems	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-501	Records	Y	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	Y	
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- J
Source-specific Applicable Requirements
S-40, Water Treatment HCl Storage T-24
Abated by A-175, Utilities T-24 Scrubber

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-301	Public Nuisance	N	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (6/15/94)**		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 8, Rule 10	**Organic Compounds – Process Vessel Depressurization (7/20/83)**		
8-10-301	Process Vessel Depressurizing	Y	
BAAQMD Condition 21060			
Part 1	Recordkeeping Requirement (2-6-501, 8-10-301)	Y	

IV. Source-specific Applicable Requirements

Table IV – L
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 Condition #5148			
Part 4	Abatement Requirement (2-1-403)	Y	
Part 5	Recordkeeping (2-1-403, 2-6-501)	Y	

Table IV – M
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 (06/05/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	
8-5-501	Records	Y	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	Y	
8-5-503	Portable Hydrocarbon Detector	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	

Table IV- O
Source-specific Applicable Requirements
S-137, HCl Storage Tank T606C
S-138, HCl Storage Tank T606D
S-139, HCl Storage Tank T-606E
S-140, HCl Storage Tank T-606F
Abated by A-18, Hydrochloric Acid Storage Tanks Scrubber

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
40 CFR, Part 63, Subpart NNNNN	**National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003)**	Y	compliance by 4/17/2006

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 7	**Organic Compounds – Gasoline Dispensing Facilities (11/6/2002)**		
8-7-301	Phase I Requirements	Y	
8-7-302	Phase II Requirements	Y	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-306	Prohibition of Use	Y	
8-7-307	Posting of Operating Instructions	Y	
8-7-308	Operating Practices	Y	
8-7-309	Contingent Vapor Recovery Requirement	Y	
8-7-315	Pressure Vacuum Valve Requirements, Underground Tanks	Y	
8-7-407	Periodic Testing Requirements	Y	
8-7-408	Periodic Testing Notification and Submission Requirements	Y	
8-7-502	Right of Access	Y	
8-7-503	Recordkeeping Requirements	Y	
BAAQMD Condition #14098			
Part 1	Maximum Annual Gasoline Throughput (TRMP)	N	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	

IV. Source-specific Applicable Requirements

Table IV – R
Source-specific Applicable Requirements
S-198, Latex Plant Process Recycle Tank, T-366
S-199, Latex Plant Process Tank, T-367
S-226, Latex Plant Process Tank, T-364
S-421, Latex Plant Process Recycle Tank, T-368
S-491, T-363
Each Abated by A-42, B-368 Latex Plant Styrene Scrubber followed by S-336 or S-389, Thermal Oxidizers

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

IV. Source-specific Applicable Requirements

Table IV – S
Source-specific Applicable Requirements
[Pressure Tank < 75m^3]
S-207, T-5 Latex Plant
S-208, T-6 Latex Plant

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.2	Tank Degassing Restriction	Y	
8-5-501	Records	Y	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	Y	
8-5-503	Portable Hydrocarbon Detector	Y	

Table IV – T
Source-specific Applicable Requirements
[Pressure Tank Storing liquids with vapor pressure ≤ 0.5 psia]
S-209, T-1 Latex Plant
S-625, T-610 Perc Expansion Tank, Abated by A-121, IPT Thermal Abatement Device or Abated by S-400, Experimental 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 (06/05/02)**		
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	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-U
Source-specific Applicable Requirements
S-229, Latex Plant Tank Car Unloading (Butadiene), RM-1
Abated by Vapor Balance System

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 6	**Organic Compounds - Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)**		
8-6-114	Exemption, Maintenance and Repair	Y	
8-6-302	Bulk Plant Limitations	Y	
8-6-302.1	Vapor Recovery Requirement	Y	
8-6-302.2	Submerged Fill Requirement	Y	
8-6-304	Deliveries to Storage Tanks	Y	
8-6-306	Equipment Maintenance	Y	
8-6-307	Operating Practices	Y	
8-6-501	Records	Y	
BAAQMD Condition #21061			
Part 1	Leak Inspection (8-6-302, 8-6-304, 8-6-306)	Y	
Part 2	Records (8-6-302, 8-6-304, 8-6-306, 2-6-501)	Y	

IV. Source-specific Applicable Requirements

Table IV-V
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 1	**General Provisions and Definitions (5/2/01)**		
1-301	Public Nuisance	N	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #20826			
Part 1	Visual Check (6-310/2-1-403)	Y	
Part 2	Records (6-310/2-1-403, 2-6-501)	Y	

IV. Source-specific Applicable Requirements

Table IV-W
Source-specific Applicable Requirements
S-302, Dowicil Train 1
S-303, Dowicil Train 2
Abated by A-192, Vent Recovery System (refrigeration)
Followed by S-389, Sym-Tet Thermal Oxidizer at least 89% of the Dowicil Plant operating time

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #14438			
Part 3	Abatement Requirement (BACT)	Y	
Part 8	Recordkeeping Requirement (Cumulative Increase, BACT, 2-6-501)	Y	

IV. Source-specific Applicable Requirements

Table IV-X
Source-specific Applicable Requirements
S-308, Fumigants Cylinder Paint Hood C-11
(FUTURE Abatement System[1]: Abated by A-203, Carbon Adsorber)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 19	**Organic Compounds - Surface Preparation and Coating of Miscellaneous Parts and Products (10/16/02)**		
8-19-302	Limits	Y	
8-19-307	Prohibition of Specification	Y	
8-19-313	Spray Application Equipment Limitations	Y	
8-19-320	Solvent Evaporative Loss Minimization	N	
8-19-321	Surface Preparation Standards	N	
8-19-501	Records	N	
SIP Regulation 8, Rule 19	**Organic Compounds - Surface Preparation and Coating of Miscellaneous Parts and Products (12/23/97)**		
8-19-320	Solvent Evaporative Loss Minimization	Y	
8-19-501	Records	Y	
BAAQMD Condition #20301			
Part 1	Maximum Coating Usage (Cumulative Increase)	Y	[1]
Part 2	Maximum VOC Coating Content (Cumulative Increase)	Y	[1]
Part 3	Abatement Requirement (Cumulative Increase)	Y	[1]
Part 4	Minimum Carbon (Cumulative Increase)	Y	[1]
Part 5	Carbon Replacement – Coating Usage (Cumulative Increase)	Y	[1]
Part 6	Carbon Replacement – NMOC Exhaust Concentration (Cumulative Increase)	Y	[1]
Part 7	Recordkeeping (Cumulative Increase, 2-6-501)	Y	[1]

[1] Upon Start-up of S-712

IV. Source-specific Applicable Requirements

Table IV-Y
Source-specific Applicable Requirements
S-311, Fumigants Gas Cylinder Handling Area C-9
S-312, Fumigants Cylinder Valve Removal Area Dow C-8
(FUTURE Abatement System[1]: Abated by A-201, Venturi Scrubber or A-204, Sulfuryl Fluoride Recovery System)

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

[1] Upon Start-up of S-712

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 19	**Organic Compounds - Surface Preparation and Coating of Miscellaneous Parts and Products (10/16/02)**		
8-19-302	Limits	Y	
8-19-307	Prohibition of Specification	Y	
8-19-313	Spray Application Equipment Limitations	Y	
8-19-320	Solvent Evaporative Loss Minimization	N	
8-19-321	Surface Preparation Standards	N	
8-19-501	Records	N	
SIP Regulation 8, Rule 19	**Organic Compounds - Surface Preparation and Coating of Miscellaneous Parts and Products (12/23/97)**		
8-19-320	Solvent Evaporative Loss Minimization	Y	
8-19-501	Records	Y	

IV. Source-specific Applicable Requirements

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

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

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

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

IV. Source-specific Applicable Requirements

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

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	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-AE
Source-specific Applicable Requirements
S-336, Manufacturing Services Thermal Oxidizer
Abated by A-86, B14A & B Karbate Acid Absorber > A-21, B-15 Manufacturing Services Scrubber > A-54, B-15 Demister > A-72, B-16 Caustic Scrubber in series

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-107	Combination of Emissions	Y	
1-301	Public Nuisance	N	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
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 (6/15/94)**		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Condition #1785			
Part 2	Abatement Requirement (Cumulative Increase, 8-2-301)	Y	
BAAQMD Condition #2501			
Part 1	Abatement Requirement (8-1-110.3)	Y	
Part 2	Abatement Requirement (voluntary limit)	N	
Part 3	Recordkeeping (2-6-501, 8-1-110.3)	Y	
BAAQMD Condition			

IV. Source-specific Applicable Requirements

Table IV-AE
Source-specific Applicable Requirements
S-336, Manufacturing Services Thermal Oxidizer
Abated by A-86, B14A & B Karbate Acid Absorber > A-21, B-15 Manufacturing Services Scrubber > A-54, B-15 Demister > A-72, B-16 Caustic Scrubber in series

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
#5336			
Part 1	Abatement Requirement (Cumulative Increase)	Y	
BAAQMD Condition #5722			
Part 2	Abatement Requirement (TRMP, 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	
BAAQMD Condition #7775			
Part 2	Abatement Requirement (2-1-403)	Y	
Part 4	Abatement Requirement (2-1-403)	Y	
BAAQMD Condition. #8894			
Part 2	Abatement Requirement (Cumulative Increase)	Y	
Part 10	Abatement Requirement (Cumulative Increase, TRMP)	Y	
Part 12	Abatement Requirement (Cumulative Increase, TRMP)	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	

IV. Source-specific Applicable Requirements

Table IV-AE
Source-specific Applicable Requirements
S-336, Manufacturing Services Thermal Oxidizer
Abated by A-86, B14A & B Karbate Acid Absorber > A-21, B-15 Manufacturing Services Scrubber > A-54, B-15 Demister > A-72, B-16 Caustic Scrubber in series

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

IV. Source-specific Applicable Requirements

Table IV-AF
Source-specific Applicable Requirements
S-389, Sym-Tet Thermal Oxidizer, R-501
Abated by A-74, B-502 Caustic Scrubber and A-94, B-501 Acid Absorber at all times
Abated by A-75, X-505 Particulate Scrubber when burning chlorinated liquids
Abated by A-77, R-502 Nonselective Catalytic Reduction Unit, and A-76, B-503A Carbon Adsorber and A-80, B-503B Carbon Adsorber when A-77 is operating

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-107	Combination of Emissions	Y	
1-301	Public Nuisance	N	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (6/15/94)**		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Condition #1748			
Part 1	Abatement Requirement (Cumulative Increase)	Y	
BAAQMD Condition #1785			
Part 2	Abatement Requirement (Cumulative Increase, 8-2-301)	Y	
BAAQMD			

IV. Source-specific Applicable Requirements

Table IV-AF
Source-specific Applicable Requirements
S-389, Sym-Tet Thermal Oxidizer, R-501
Abated by A-74, B-502 Caustic Scrubber and A-94, B-501 Acid Absorber at all times
Abated by A-75, X-505 Particulate Scrubber when burning chlorinated liquids
Abated by A-77, R-502 Nonselective Catalytic Reduction Unit, and A-76, B-503A Carbon Adsorber and A-80, B-503B Carbon Adsorber when A-77 is operating

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	~~Deleted due to confidential information claim~~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 Operation (Cumulative Increase)	Y	
Part 13	Continuous Monitors (Cumulative Increase, BACT)	Y	
Part 14	Stack Height Requirements (TRMP)	N	
Part 15	Recordkeeping Requirement (Cumulative Increase, BACT, 2-6-501)	Y	
BAAQMD Condition #5722			
Part 2	Abatement Requirement (TRMP, 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			

IV. Source-specific Applicable Requirements

Table IV-AF
Source-specific Applicable Requirements
S-389, Sym-Tet Thermal Oxidizer, R-501
Abated by A-74, B-502 Caustic Scrubber and A-94, B-501 Acid Absorber at all times
Abated by A-75, X-505 Particulate Scrubber when burning chlorinated liquids
Abated by A-77, R-502 Nonselective Catalytic Reduction Unit, and A-76, B-503A Carbon Adsorber and A-80, B-503B Carbon Adsorber when A-77 is operating

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 4	Abatement Requirement (Cumulative Increase, 8-5-306, 8-5-307)	Y	
Part 5	Minimum Abatement Period (BACT)	Y	
BAAQMD Condition #14722			
Part 1	Abatement Requirement (Cumulative Increase, Offsets, 8-47-301)	Y	
BAAQMD Condition #16610			
Part 5	Abatement Requirement (Offsets)	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-107	Combination of Emissions	Y	
1-301	Public Nuisance	N	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (6/15/94)**		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	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 (3/15/95)**		
9-7-304	Low Fuel Usage Requirements	Y	
9-7-304.2	Tune once every 12 months	Y	
9-7-503	Records	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	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 10	Temperature Excursions (2-1-403)	Y	
Part 11	Temperature Excursions (2-1-403)	Y	
Part 12	Recordkeeping Requirement (2-1-403, 2-6-501)	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #5147			
Part 1	Abatement Requirement (TRMP)	N	
Part 2	Annual Throughput Limit (TRMP)	N	
Part 3	Recordkeeping Requirement (TRMP)	N	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 1	**Organic Compounds – General Provisions (6/15/94)**		
8-1-110.3	Exemptions	Y	
BAAQMD Condition #5148			
Part 2	Heat Exchanger Temperature Condition (8-1-110.3, 8-2-301)	Y	
Part 3	Monitoring Requirement (8-1-110.3, 8-2-301/2-1-403)	Y	
Part 4	Abatement Requirement (8-1-110.3, 8-2-301/2-1-403)	Y	
Part 5	Recordkeeping (2-6-501, 8-1-110.3, 8-2-301/2-1-403)	Y	

Table IV – AJ
Source-specific Applicable Requirements
[Pressure Tank > 75 m^3 with submerged fill]
S-429, T-130A Environmental Services

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-501	Records	Y	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	Y	
8-5-503	Portable Hydrocarbon Detector	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-306	Requirements for Approved Emission Control Systems (when operated with emission control system)	Y	
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, TRMP)	Y	
Part 2	Abatement Requirement (Cumulative Increase, TRMP)	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-107	Combination of Emissions	Y	
1-301	Public Nuisance	N	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
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 (6/15/94)**		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 8, Rule 10	**Organic Compounds – Process Vessel Depressurization (7/20/83)**		
8-10-301	Process Vessel Depressurizing	Y	
40 CFR, Part 63, Subpart NNNNN	**National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003)**	Y	compliance by 4/17/2006
BAAQMD Condition #17985			
Part 2	Abatement Requirement	Y	
Part 6	Minimum Caustic Concentration	Y	
Part 7	Testing	Y	
Part 8	Recordkeeping Requirement	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 9	Annual hydrochloric acid production limit and recordkeeping (Cumulative Increase, TRMP, 2-6-501)	Y	[1]
BAAQMD Condition 21060			
Part 2	Recordkeeping Requirement (2-6-501, 8-10-301)	Y	

[1] Upon Start-up of S-712

IV. Source-specific Applicable Requirements

Table IV-AM
Source-specific Applicable Requirements
S-444, U-183 Dowtherm Heater

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	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 (9/16/92)**		
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	
BAAQMD Condition #11054			
Part 1	Fuel Restriction - Natural Gas (BACT)	Y	
Part 2	NOx Emission Limit (9-7-301)	Y	
Part 3	CO Emission Limit (BACT)	Y	
Part 4	NOx Source Test (9-7-301)	Y	
Part 5	Recordkeeping Requirement (2-6-501, 9-7-301)	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-301	Public Nuisance	N	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
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 (6/15/94)**		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 8, Rule 10	**Organic Compounds – Process Vessel Depressurization (7/20/83)**		
8-10-301	Process Vessel Depressurizing	Y	
BAAQMD Condition #5385			
Part 1	Abatement of Reactor/Stripping Systems	Y	
BAAQMD Condition 21060			
Part 2	Recordkeeping Requirement (2-6-501, 8-10-301)	Y	

IV. Source-specific Applicable Requirements

Table IV-AO
Source-specific Applicable Requirements
S-449, HCl Storage Tank, T-30
Abated by A-91, B-30 Absorber

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	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)**	Y	compliance by 4/17/2006
BAAQMD Condition #18128			
Part 3	~~Deleted due to confidential information claim~~Annual Abated HCl Emission Limit (Cumulative Increase)	Y	
Part 4	~~Deleted due to confidential information claim~~ Daily Abated HCl Emission Limit (Cumulative Increase)	Y	
Part 7	Abatement Requirement (Cumulative Increase, TRMP, 6-310/2-1-403)	Y	
Part 12	Recordkeeping Requirement (Cumulative Increase, TRMP, 2-6-501, 6-310, 9-1-302)	Y	

IV. Source-specific Applicable Requirements

Table IV-AP
Source-specific Applicable Requirements
S-454, Vikane Plant
Abated by S-434, Manufacturing Services Facility followed further abatement (see table to S-434) or
Abated by A-87, HCl Absorber/Heat Exchanger H-109 and A-85, Absorber – Packed Bed, in series followed by A-199, Manufacturing Services Scrubber B-12 Process Flow Abated by A-90, H-30 Acid Absorber and A-91, B-30 Absorber, in series, and Intermittent Process Vents Abated by A-46, B-7 Caustic Scrubber or A-197, B-4 Caustic Scrubber

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
40 CFR, Part 63, Subpart NNNNN	**National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003)**	Y	compliance by 4/17/2006
BAAQMD Condition #18128			
Part 1	~~Deleted due to confidential information claim~~Annual Abated PM and SO2 Emission Limits (Cumulative Increase)	Y	
Part 2	~~Deleted due to confidential information claim~~ Daily Abated PM and SO2 Emission Limits (Cumulative Increase)	Y	
Part 5	Abatement Requirement (Cumulative Increase, TRMP, 6-310/2-1-403)	Y	
Part 6	Abatement Requirement (Cumulative Increase, TRMP, 6-310/2-1-403)	Y	
Part 8	Abatement Efficiency (Cumulative Increase, TRMP, 6-310/2-1-403)	Y	
Part 9	Monitoring (Cumulative Increase, TRMP, 6-310/2-1-403)	Y	
Part 10	Abatement Efficiency (Cumulative Increase, TRMP, 6-310, 9-1-302)	Y	
Part 11	Monitoring (Cumulative Increase, TRMP, 6-310, 9-1-302)	Y	
Part 12	Recordkeeping Requirement (Cumulative Increase, TRMP, 2-6-501, 6-	Y	

IV. Source-specific Applicable Requirements

Table IV-AP
Source-specific Applicable Requirements
S-454, Vikane Plant
Abated by S-434, Manufacturing Services Facility followed further abatement (see table to S-434) or
Abated by A-87, HCl Absorber/Heat Exchanger H-109 and A-85, Absorber – Packed Bed, in series followed by A-199, Manufacturing Services Scrubber B-12 Process Flow Abated by A-90, H-30 Acid Absorber and A-91, B-30 Absorber, in series, and Intermittent Process Vents Abated by A-46, B-7 Caustic Scrubber or A-197, B-4 Caustic Scrubber

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	310, 9-1-302)		

Table IV–AQ
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 (06/05/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	
8-5-501	Records	Y	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	Y	
8-5-503	Portable Hydrocarbon Detector	Y	

IV. Source-specific Applicable Requirements

Table IV-AR
Source-specific Applicable Requirements
S-460, Dowtherm Heater U-83

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	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 (9/16/92)**		
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	
BAAQMD Condition #503			
Part 1	Natural Gas Only (Cumulative Increase)	Y	
Part 2	Fuel Gas Flow Meter Requirement (Cumulative Increase)	Y	
Part 3	Flue Gas Recirculation Requirement (Cumulative Increase, 9-7/2-1-403)	Y	
Part 7	NOx Source Test Requirement (9-7-301.1)	Y	
Part 8	Recordkeeping Requirement (2-6-501, 9-7-301.1)	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-301	Public Nuisance	N	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
40 CFR Part 63, Subpart MMM	**National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production (6/23/1999)**	Y	compliance by 12/23/2003

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-301	Public Nuisance	N	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	

Table IV-AU
Source-specific Applicable Requirements
S-464, 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	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #1359			
Part 1	Abatement Requirement (Cumulative Increase, Regulation 6)	Y	

IV. Source-specific Applicable Requirements

Table IV-AV
Source-specific Applicable Requirements
S-474, Plant 421 - Verdict Reactor R-210,
Abated by A-97, B-201 Organic Scrubber, A-98, B-202 Reactor Vent Scrubber, A-99, B-203 Scrubber, A-100, B-230 Scrubber, A-101, H-205 Falling Film Absorber, and A-102, B-206 Scrubber
S-476, Plant 421 Trifluoro,
Abated by A-97, B-201 Organic Scrubber, and A-100, B-230 Scrubber

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-301	Public Nuisance	N	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (6/15/94)**		
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)**	Y	compliance by 4/17/2006

IV. Source-specific Applicable Requirements

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

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

IV. Source-specific Applicable Requirements

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

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

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

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

IV. Source-specific Applicable Requirements

Table IV–AZ
Source-specific Applicable Requirements
S-492, T-403 Environmental Services

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-306	Requirements for Approved Emission Control Systems (when operated with emission control system)	Y	
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-BA
Source-specific Applicable Requirements
S-496, T-241 Storage Tank Specialty Chemicals

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	
8-5-501	Records	Y	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
BAAQMD 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-BB
Source-specific Applicable Requirements
S-504, Chlorinolysis Train 1
Abated by Either S-400, Experimental Thermal Oxidizer R-901 or
A-121, In-Process Technology Thermal Abatement Device
Followed by A-401, Acid Adsorber B-901 and A-79, Packed Bed Scrubber B-902

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (6/15/94)**		
8-2-301	Miscellaneous Operations	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 13	Recordkeeping Requirement (2-1-403, 2-6-501)	Y	

IV. Source-specific Applicable Requirements

Table IV-BC
Source-specific Applicable Requirements
S-505, Chlorinolysis Train 2
Abated by either S-400, Experimental Thermal Oxidizer R-901 or
A-121, In-Process Technology Thermal Abatement Device
Followed by A-401, Acid Adsorber B-901 and A-79, Packed Bed Scrubber B-902

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (6/15/94)**		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Condition #2213			
Part 5	Pre-Abatement Organic Emission Limit (Cumulative Increase)	Y	
Part 7	Abatement Requirement (Cumulative Increase, 8-2-301)	Y	
Part 13	Recordkeeping Requirement (2-1-403, 2-6-501)	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-306	Requirements for Approved Emission Control Systems (when operated with emission control system)	Y	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks (when operated as a pressure tank)	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-501	Records	Y	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
NSPS Subpart Kb Sections:	**Standards of Performance for Volatile Organic Liquid Storage Vessels**		
60.112b(a)(3)(i)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device no detectable emissions	Y	
	NOTE: THE FOLLOWING TWO REQUIREMENTS APPLY ONLY WHEN THE TANK IS NOT OPERATED AS A PRESSURE TANK.	Y	
60.112b(a)(3)(ii)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction	Y	
60.112b(b)	Closed vent system and control device	Y	
	NOTE: THE FOLLOWING REQUIREMENT APPLIES ONLY WHEN THE TANK IS OPERATED AS A PRESSURE TANK.		
60.112b(d)	Equivalent system	Y	
	NOTE: THE FOLLOWING FIVE REQUIREMENTS APPLY TO OPERATION AS A PRESSURE TANK.		
60.113b(c)	Testing and Procedures; Closed vent system and control device (not flare)	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.113b(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	
	THE FOLLOWING REQUIREMENT REFERS TO OPERATION AS A PRESSURE TANK		
60.114b	Alternative means of emission limitation (when operating as a pressure tank)	Y	
	THE FOLLOWING SIX REQUIREMENTS REFER TO OPERATION AS A TANK OPERATING WITH A CLOSED VENT SYSTEM AND CONTROL DEVICE		
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks	Y	
60.115 (c)(1)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy	Y	
60.115 (c)(2)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating records	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(g)	Monitoring of Operations; Exemption from 116b(c) and 116b(d)	Y	
BAAQMD Condition # 17971			
Part 1	Operating Requirement (Cumulative Increase, 8-6-304)	Y	
Part 2	Nitrogen Blanket and Minimum Pressure Relief Setting (Cumulative Increase)	Y	
Part 3	No Detectable Organic Emissions (Cumulative Increase, 8-5-307)	Y	

IV. Source-specific Applicable Requirements

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

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

IV. Source-specific Applicable Requirements

Table IV–BF
Source-specific Applicable Requirements
S-519, Chlorinated Pyridine Storage Tank, T-502A
S-520, Chlorinated Pyridine Storage Tank, T-501B
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 (06/05/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-306	Requirements for Approved Emission Control Systems (when operated with emission control system)	Y	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks (when operated as a pressure tank)	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 (11/27/2002)**		
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-BG
Source-specific Applicable Requirements
S-521, Water Treatment System – Steam Stripper
Abated by S-336 or S-389, Thermal Oxidizers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (6/15/94)**		
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	

Table IV-BH
Source-specific Applicable Requirements
S-530, T-902 HCl Storage Tank

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-306	Requirements for Approved Emission Control Systems	Y	
8-5-501	Records	Y	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	Y	
BAAQMD Condition #1785			
Part 1	Vapor Tight (Cumulative Increase)	Y	
Part 2	Abatement Requirement (Cumulative Increase, 8-2-301)	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	N	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations		
6-401	Appearance of Emissions	Y	
40 CFR, Part 63, Subpart NNNNN	**National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003)**	Y	compliance by 4/17/2006
BAAQMD Condition #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 – BK
Source-specific Applicable Requirements
S-580, Specialty Chemicals Storage Tank, T-3A
S-581, Specialty Chemicals Storage Tank, T-3B
S-582, Specialty Chemicals Storage Tank, T-215
S-583, Specialty Chemicals Storage Tank, T-200
Each abated by A-140, Specialty Chemicals Pressure Storage Tanks Vapor Return System

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/02)**		
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	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 – BL
Source-specific Applicable Requirements
S-586, Recycle Styrene Storage Tank, T-371
Abated by A-42, B-368 Latex Plant Styrene Scrubber, followed by S-336 or S-389, Thermal Oxidizers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	
8-5-501	Records	Y	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
BAAQMD Condition #4002			
Part 3	Vapor Tight and Abatement Requirement (Cumulative Increase)	Y	
Part 4	Recordkeeping (Cumulative Increase, 2-6-501)	Y	

IV. Source-specific Applicable Requirements

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

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

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (6/15/94)**		
8-2-301	Miscellaneous Operations – for the cleaning operations	Y	
BAAQMD Regulation 8, Rule 6	**Organic Compounds - Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)**		
8-6-110	Exemption, Low Vapor Pressure Liquids – for the loading operations	Y	
8-6-116	Exemption, Small Transportable Containers	Y	
8-6-503	Burden of Proof	Y	
BAAQMD Condition #3712			
Part 1	Vapor Balancing Requirement (Cumulative Increase)	Y	
Part 5	Chlorinated Solvent - Maximum Combined Annual and Daily Throughput Limits (Cumulative Increase)	Y	
Part 6	~~Deleted due to confidential information claim.~~Annual and Daily Agricultural Product Drum Loading Limit (Cumulative Increase)		
Part 7	Recordkeeping Requirement (Cumulative Increase, 2-6-501)	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (6/15/94)**		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Condition #4780			
Part 1	POC Emission Limit (Cumulative Increase)	Y	
Part 2	Toxic Compound Emission Limit (TRMP)	N	
Part 3	Ammonia Emission Limit (TRMP)	N	
Part 5	Unidentified Emissions (TRMP)	N	
Part 11	Maximum Annual Rail Car Shipments (Cumulative Increase)	Y	
Part 12	Detectable Off-property Odors (7-301)	N	
Part 14	Product Loading Requirements (Cumulative Increase, TRMP)	Y	
Part 16	Recordkeeping Requirement (Cumulative Increase, 6-301, 2-6-501)	Y	
Part 17	Abatement Requirements (Cumulative Increase, 8-2-301)	Y	
Part 18	Source Test Requirement (Cumulative Increase, 8-2-301)	Y	

IV. Source-specific Applicable Requirements

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

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

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	
8-5-501	Records	Y	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
BAAQMD Condition 4780			
Part 16	Recordkeeping Requirement (Cumulative Increase, 6-301, 2-6-501)	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD 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	
8-6-305	Delivery Vehicle Requirements	Y	
8-6-306	Equipment Maintenance	Y	
8-6-307	Operating Practices	Y	
8-6-501	Records	Y	
BAAQMD Condition #5180			
Part 1	Abatement Requirement (8-6-302.1/2-1-403)	Y	
Part 3	POC Emission Limit, Post-Abatement (8-6-302.1)	Y	
Part 6	Recordkeeping Requirement (2-6-501, 8-6-302.1, 8-6-305, 8-6-306)	Y	
Part 7	Leak Inspection (8-6-305, 8-6-306)	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-301	Public Nuisance	N	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
40 CFR, Part 63, Subpart NNNNN	**National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003)**	Y	compliance by 4/17/2006
BAAQMD Condition #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-BT
Source-specific Applicable Requirements
S-631, Portable Resin Drier, D-203C
Abated by S-336, Manufacturing Services Thermal Oxidizer

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #5336			
Part 1	Abatement Requirement (Cumulative Increase)	Y	
Part 2	No Detectable Fugitive Emissions (Cumulative Increase)	Y	
Part 3	Recordkeeping Requirement (Cumulative Increase, 2-6-501)	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 1	**Organic Compounds – General Provisions (6/15/94)**		
8-1-110.3	Exemptions	Y	
BAAQMD Condition #5722			
Part 1	Detectable Emissions (TRMP, 8-1-110.3/2-1-403)	Y	
Part 2	Abatement Requirement (TRMP, 8-1-110.3/2-1-403)	Y	
Part 3	Shut Down (TRMP, 8-1-110.3/2-1-403)	Y	
Part 4	Recordkeeping Requirement (TRMP, 2-6-501, 8-1-110.3/2-1-403)	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	
8-5-501	Records	Y	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
BAAQMD Regulation 8 Rule 6	**Organic Compounds – ORGANIC LIQUID BULK TERMINALS AND BULK PLANTS (02/02/94)**		
8-6-302	Bulk Plant Limitations	Y	
8-6-501	Records	Y	
BAAQMD Condition # 3712			
Part 1	Vapor Balancing Requirement (Cumulative Increase)	Y	
Part 8	Gas Tight Check (8-5-307/2-1-403)	Y	
Part 9	Recordkeeping Requirement (8-5-307/2-1-403, 2-6-501)	Y	

IV. Source-specific Applicable Requirements

Table IV – BW
Source-specific Applicable Requirements
S-641, Groundwater Treatment Plant Decant Tank, T-440
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 (06/05/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-306	Requirements for Approved Emission Control Systems (when operated with emission control system)	Y	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks (when operated as pressure tank)	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-BX
Source-specific Applicable Requirements
S-644, Hydrochloric Acid Storage Tank, T-34A
S-645, Hydrochloric Acid Storage Tank, T-34B
Both abated by A-179, X-39/B-39 Scrubber System or S-336,
Manufacturing Services Thermal Oxidizer

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	N	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations		
6-401	Appearance of Emissions	Y	
40 CFR, Part 63, Subpart NNNNN	**National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003)**	Y	compliance by 4/17/2006
BAAQMD Condition #7775			
Part 1	Annual Combined Throughput Limit (2-1-403)	Y	
Part 2	Abatement Requirement (2-1-403)	Y	
Part 5	Recordkeeping Requirement (2-1-403, 2-6-501, 6-301)	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-301	Public Nuisance	N	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
40 CFR, Part 63, Subpart NNNNN	**National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003)**	Y	compliance by 4/17/2006
BAAQMD Condition #7775			
Part 3	Annual Throughput Limitation (2-1-403)	Y	
Part 4	Abatement Requirement (2-1-403)	Y	
Part 5	Recordkeeping Requirement (2-1-403, 2-6-501, 6-301)	Y	

IV. Source-specific Applicable Requirements

Table IV-BZ
Source-specific Applicable Requirements
S-647, Catalytic Hydrogen Chloride Plant
Followed by S-648, Hydrogen Chloride Absorber E-277
Vents Abated by A-181, B-278 Packed Bed Column,
Followed by A-182, B-279 Packed Bed Column,
Followed by A-184, ME 290 A/B Carbon Beds, or
S-336, Manufacturing Services Thermal Oxidizer

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-301	Public Nuisance	N	
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (6/15/94)**		
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)**	Y	compliance by 4/17/2006
BAAQMD Condition #8894			
Part 3	Venting Requirement (Cumulative Increase, TRMP) ~~[Throughput limit deleted due to confidential information claim]~~	Y	
Part 4	Pump Specifications (Cumulative Increase, TRMP)	Y	
Part 5	Pressure Relief Valve Specification (Cumulative Increase, TRMP)	Y	
Part 6	Valve Specification (Cumulative Increase, TRMP)	Y	
Part 8	Recordkeeping Requirement (Cumulative Increase, TRMP, 2-6-501)	Y	

IV. Source-specific Applicable Requirements

Table IV-CA
Source-specific Applicable Requirements
S-648, Hydrogen Chloride Absorber, E-277
Abated by A-181, B-278 Packed Bed Column,
Followed by A-182, B-279 Packed Bed Column,
Followed by A-184, ME 290 A/B Carbon Beds or
S-336, Manufacturing Services Thermal Oxidizer

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-301	Public Nuisance	N	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
40 CFR, Part 63, Subpart NNNNN	**National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003)**	Y	compliance by 4/17/2006
BAAQMD Condition 8894			
~~Part 9~~	~~Deleted due to confidential information claim~~		
Part 10	Abatement Requirement (Cumulative Increase, TRMP)	Y	
Part 12	Monitoring and Shutdown (Cumulative Increase, TRMP)	Y	
Part 13	Annual POC and HCl Emission Limits (Cumulative Increase, TRMP)	Y	
Part ~~13~~14	Recordkeeping Requirement (Cumulative Increase, TRMP, 2-6-501)	Y	

IV. Source-specific Applicable Requirements

Table IV-CB
Source-specific Applicable Requirements
S-649, 36% Hydrogen Chloride Acid Storage Tank, V-277
Abated by A-181, B-278 Packed Bed Column, followed by A-182, B-279 Packed Bed Column, followed by A-184, ME 290A/B Carbon Beds or S-336, Manufacturing Services Thermal Oxidizer

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
40 CFR, Part 63, Subpart NNNNN	**National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003)**	Y	compliance by 4/17/2006
BAAQMD Condition 8894			
~~Part 15~~	~~Deleted due to confidential information claim~~		
Part 16	Abatement Requirement (TRMP)	N	
Part 17	Recordkeeping Requirement (TRMP)	N	

IV. Source-specific Applicable Requirements

Table IV-CC
Source-specific Applicable Requirements
S-650, 36% Hydrogen Chloride Acid Storage Tank, V-280A
S-651, 36% Hydrogen Chloride Acid Storage Tank, V-280B
S-652, 36% Hydrogen Chloride Acid Storage Tank, V-280C
Abated by A-181, B-278 Packed Bed Column, followed by A-182, B-279 Packed Bed Column, followed by A-184, ME 290A/B Carbon Beds or S-336, Manufacturing Services Thermal Oxidizer

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
40 CFR, Part 63, Subpart NNNNN	**National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003)**	Y	compliance by 4/17/2006
BAAQMD Condition 8894			
~~Part 18~~	~~Deleted due to confidential information claim~~		
Part 19	Abatement Requirement (TRMP)	N	
Part 20	Recordkeeping Requirement (TRMP, 2-6-501)	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90) (for permanent confined blasting operation)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-311	General Operations	Y	
BAAQMD Regulation 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 (6-301/2-1-403)	Y	

IV. Source-specific Applicable Requirements

Table IV – CE
Source-specific Applicable Requirements
S-662, Storage Tank, T-243
S-663, Storage Tank, T-242
S-664, Storage Tank, T-244
Abated by A-192, Vent Recovery System, S-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 (06/05/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	
8-5-501	Records	Y	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
BAAQMD Condition #14438			
~~Part 2~~	~~Deleted due to confidential information claim~~		
Part 4	Emissions Control (Cumulative Increase, 8-5-307)	Y	
Part 8	Recordkeeping Requirements (Cumulative Increase, BACT, 2-6-501)	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-501	Records	Y	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
BAAQMD Condition # 13335			
Part 1	Throughput Limit (Cumulative Increase)	Y	
Part 2	Annual Unloading Event Limit (Cumulative Increase)	Y	
Part 3	Recordkeeping Requirement (Cumulative Increase, 2-6-501)	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-501	Records	Y	
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
BAAQMD 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 #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-CH
Source-specific Applicable Requirements
S-681, Truck Transfer
Abated by A-191, Carbon Tetrachloride Tank Truck Loading Vapor Return Line – Vapor Balance

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

IV. Source-specific Applicable Requirements

Table IV-CI
Source-specific Applicable Requirements
S-682, Groundwater Treatment Plant Air 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 47	**Organic Compounds – Air Stripping and Soil Vapor Extraction Operations (6/15/94)**		
8-47-301	Emission Control Requirement, Specific Compounds	Y	
8-47-501	Records	Y	
8-47-601	Air Stripper Water Sampling	Y	
BAAQMD Condition #14722			
Part 1	Abatement Requirement (Cumulative Increase, Offsets, 8-47-301)	Y	
Part 2	Annual Throughput Limit for Ground Water Treated (Cumulative Increase, Offsets)	Y	
Part 3	Annual Throughput Limit for VOC Feed (Cumulative Increase, Offsets)	Y	
Part 4	Carbon Tetrachloride Feed Limit (Cumulative Increase, TRMP)	Y	
Part 5	Recordkeeping Requirement (Cumulative Increase, Offsets, TRMP, 2-6-501)	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/02)**		
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	
BAAQMD Condition # 15372			
Part 1	Pressure Relief Valve (8-5-307)	Y	
Part 2	Vapor Balance Line (Cumulative Increase)	Y	
Part 3	Annual Throughput Limit (Cumulative Increase)	Y	
Part 4	Recordkeeping Requirement (Cumulative Increase, 2-6-501)	Y	
Part 5	Vapor pressure ≤ 0.5 psia (2-1-301)	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	Emission Rate Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #15944			
Part 1	~~Deleted due to confidential information claim~~Annual Abated PM10 Emission Limit (Cumulative Increase)	Y	
Part 2	Abatement Requirement (Cumulative Increase)	Y	
Part 3	Monitoring Requirement (Cumulative Increase, Regulation 6)	Y	
Part 4	Recordkeeping Requirement (Cumulative Increase, 1-441, 2-6-501, 6/2-1-403)	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	Emission rate Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (6/15/94)**		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 8, Rule 10	**Organic Compounds – Process Vessel Depressurization (7/20/83)**		
8-10-301	Process Vessel Depressurizing	Y	
40 CFR, Part 63, Subpart NNNNN	**National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003)**	Y	compliance by 4/17/2006
BAAQMD Condition #15932			
Part 1	~~Deleted due to confidential information claim~~Annual Combined POC Emission Limit for S-693 and S-694 (Cumulative Increase, Offsets)	Y	
Part 2	Abatement Requirement (TRMP, Offsets)	Y	
Part 48	Recordkeeping Requirement (Cumulative Increase, Offsets, TRMP, 2-6-501)	Y	
BAAQMD Condition 21060			
Part 2	Recordkeeping Requirement (2-6-501, 8-10-301)	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (6/15/94)**		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 8, Rule 10	**Organic Compounds – Process Vessel Depressurization (7/20/83)**		
8-10-301	Process Vessel Depressurizing	Y	
40 CFR, Part 63, Subpart NNNNN	**National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003)**	Y	compliance by 4/17/2006
BAAQMD Condition #15932			
Part 1	Annual Combined POC Emission Limit for S-693 and S-694 (Cumulative Increase, Offsets)	Y	
~~Part 5~~	~~Deleted due to confidential information claim~~		
Part 6	Abatement Requirement (Cumulative Increase, TRMP)	Y	
Part 8	Recordkeeping Requirement (Cumulative Increase, Offsets, TRMP, 2-6-501)	Y	
BAAQMD Condition 21060			
Part 2	Recordkeeping Requirement (2-6-501, 8-10-301)	Y	

IV. Source-specific Applicable Requirements

Table IV – CN
Source-specific Applicable Requirements
S-695, Storage Tank, T-526

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/02)**		
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	
BAAQMD Condition #15932			
Part 9	~~Deleted due to confidential information claim~~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 11~~	~~Recordkeeping Requirement (Cumulative Increase, 2-6-501)~~	~~Y~~	
Part 12	Abatement Requirement (Cumulative Increase)	Y	
Part 13	Recordkeeping Requirement (Cumulative Increase, 2-6-501)	Y	

IV. Source-specific Applicable Requirements

Table IV – CO
Source-specific Applicable Requirements
S-696, T-585

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/02)**		
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	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 11~~	~~Recordkeeping Requirement (Cumulative Increase, 2-6-501)~~	~~Y~~	
Part 12	Abatement Requirement (Cumulative Increase)	Y	
Part 13	Recordkeeping Requirement (Cumulative Increase, 2-6-501)		

Table IV-CP
Source-specific Applicable Requirements
S-697, ISO Container Loading Operation
Abated by Vapor Balance System

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

IV. Source-specific Applicable Requirements

Table IV-CQ
Source-specific Applicable Requirements
S-699, Purge Tank/Drum Loading Operation

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

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-306	Requirements for Approved Emission Control Systems	Y	
8-5-307	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 (TRMP)	N	
Part 2	Venting Requirement (8-5-301, 8-5-306 or 8-5-307)	Y	
Part 3	Recordkeeping Requirement (TRMP, 2-6-501, 8-5-501.1)	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (06/05/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	[1]
8-5-112	Limited Exemption, Tanks in Operation	Y	[1]
8-5-301	Storage Tank Control Requirements	Y	[1]
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	[1]
8-5-328	Tank Degassing Requirements	Y	[1]
8-5-501	Records	Y	[1]
8-5-501.1	Type and Amount of Liquids Stored, Blanket Gases, TVP	Y	[1]
8-5-503	Portable Hydrocarbon Detector	Y	[1]
BAAQMD Condition #17878			
Part 1	Pressure Relieve Valve Requirement (8-5-303)	Y	[1]
Part 2	Gas Tight Vapor Balance (Cumulative Increase)	Y	[1]
Part 3	Throughput Limit (Cumulative Increase)	Y	[1]
Part 4	Recordkeeping (Cumulative Increase, 2-6-501)	Y	[1]

[1] Upon startup

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	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 #17683			
Part 1	Maximum Annual Abrasive Throughput Limit (Cumulative Increase)	Y	
Part 2	Abatement Requirement (Cumulative Increase)	Y	
Part 3	Recordkeeping Requirement (Cumulative Increase, 2-6-501)	Y	

IV. Source-specific Applicable Requirements

Table IV-CU
Source-specific Applicable Requirements
S-706, FPI Standby Generator (Diesel)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-110.2	Exclusions	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-303	Ringelmann Number 2 Limitation	N	
6-303.1	Standby Engines	N	
6-305	Visible Particles	N	
6-310	Particulate Weight Limitation	N	
6-401	Appearance of Emissions	N	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Operations	N	
9-1-304	Fuel Sulfur Content Limitation	N	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants – NOx and CO (8/1/01)**		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	
BAAQMD Condition #18317			
Part 1	Fuel Sulfur Content Limitation (Cumulative Increase)	N	
Part 2	Operating Limits (9-8-330, Offsets)	N	
Part 3	Definition of "Emergency Conditions" (9-8-231)	N	
Part 4	Definition of "Reliability-related activities" (9-8-232)	N	
Part 5	Monitoring Requirement (9-8-530, Offsets)	N	
Part 6	Recordkeeping Requirement (1-441, 2-6-501, 9-8-530)	N	
Part 7	Soot Filter (2-1-302)	N	

IV. Source-specific Applicable Requirements

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

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	**Particulate Matter and Visible Emissions (12/19/90)**		
6-303	Ringelmann Number 2 Limitation	N	
6-303.1	Standby Engines	N	
6-305	Visible Particles	N	
6-310	Particulate Weight Limitation	N	
6-401	Appearance of Emissions	N	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Operations	N	
9-1-304	Fuel Sulfur Content Limitation	N	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants – NOx and CO (8/1/01)**		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	
BAAQMD Condition #19724			
Part 1	Operating Limits (9-8-330)	N	
Part 2	Definition of "Emergency Conditions" (9-8-231)	N	
Part 3	Definition of "Reliability-related activities" (9-8-232)	N	
Part 4	Monitoring Requirement (9-8-530)	N	
Part 5	Recordkeeping Requirement (1-441, 2-6-501, 9-1-304, 9-8-530)	N	

IV. Source-specific Applicable Requirements

Table IV-CW
Source-specific Applicable Requirements
S-709, IC Engine Backup Generator 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	**Particulate Matter and Visible Emissions (12/19/90)**		
6-303	Ringelmann Number 2 Limitation	N	
6-303.1	Standby Engines	N	
6-305	Visible Particles	N	
6-310	Particulate Weight Limitation	N	
6-401	Appearance of Emissions	N	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Operations	N	
9-1-304	Fuel Sulfur Content Limitation	N	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants – NOx and CO (8/1/01)**		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	
BAAQMD Condition #19724			
Part 1	Operating Limits (9-8-330)	N	
Part 2	Definition of "Emergency Conditions" (9-8-231)	N	
Part 3	Definition of "Reliability-related activities" (9-8-232)	N	
Part 4	Monitoring Requirement (9-8-530)	N	
Part 5	Recordkeeping Requirement (1-441, 2-6-501, 9-1-304, 9-8-530)	N	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	[1]
6-305	Visible Particles	Y	[1]
6-310	Particulate Weight Limitation	Y	[1]
6-311	General Operations	Y	[1]
6-401	Appearance of Emissions	Y	[1]
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	[1]
9-1-302	General Emission Limitation	Y	[1]
40 CFR, Part 63, Subpart NNNNN	**National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production (4-17-2003)**	Y	Compliance by 4/17/2006
BAAQMD Condition #20303			
Part 1	~~Deleted due to confidential information claim~~Annual Abated Emission Limits for Sulfuryl Fluoride, HF, HCl, and SO2 (Cumulative Increase, TRMP)	Y	
Part 2	Abatement Requirement (TRMP)	Y	[1]
Part 3	Abatement Requirement (TRMP)	Y	[1]
Part 4	Minimum Abatement Efficiency (TRMP)	Y	[1]
Part 5	Monitoring (TRMP)	Y	[1]
Part 6	Sampling (Cumulative Increase, TRMP, 2-6-501)	Y	[1]
Part 7	Recordkeeping (Cumulative Increase, TRMP, 2-6-501)	Y	[1]

[1] Upon Start-up

IV. Source-specific Applicable Requirements

Table IV-CY
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 (11/27/2002)**		
8-18-110	Exemption, Controlled Seal Systems and Pressure Relief Devices	Y	
8-18-112	Exemption, Bulk Plant and Terminal Loading Racks	Y	
8-18-113	Limited Exemption, Initial Boiling Point	Y	
8-18-115	Limited Exemption, Storage Tanks	Y	
8-18-116	Limited Exemption, Vacuum Service	Y	
8-18-117	Limited Exemption, Visual Inspection	Y	
8-18-301	General	Y	
8-18-302	Valves	Y	
8-18-303	Pumps and Compressors	Y	
8-18-304	Connections	Y	
8-18-305	Pressure Relief Devices	Y	
8-18-306	Non-repairable Equipment	Y	
8-18-307	Liquid Leak	Y	
8-18-401	Inspection	Y	
8-18-402	Identification	Y	
8-18-403	Visual Inspection Schedule	Y	
8-18-404	Alternative Inspection Schedule	Y	
8-18-502	Records	Y	
SIP Regulation 8, Rule 22	**Organic Compounds – Valves and Flanges at Chemical Plants (FR 2/16/95)**		
8-22-115	Exemption, Chemical Plants with 100 or More Valves	Y	
SIP Regulation 8, Rule 25	**Organic Compounds – Pump and Compressor Seals at Petroleum Refineries, Chemical Plants, Bulk Plants, and Bulk Terminals (FR 3/7/95)**		
8-25-302	Pumps	Y	
8-25-303	Compressors	Y	
8-25-304	Non-repairable Pumps and Compressors	Y	
8-25-305	New or Replaced Pumps and Compressors	Y	
8-25-306	Repeat Leakers	Y	

IV. Source-specific Applicable Requirements

Table IV-CY
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Components

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 (3/18/98)**		
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 –Pressure Relief Devices at Petroleum Refineries and Chemical Plants (FR 12/9/94)**		
8-28-111	Exemption, Low Vapor Pressure	Y	
8-28-112	Exemption, Storage Tanks	Y	
8-28-301	Pressure Relief Valve	Y	
8-28-401	Reporting	Y	
8-28-402	Inspection	Y	
8-28-403	Records	Y	
8-28-404	Identification	Y	

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

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

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

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§63.7(e)(2)	Test methods and procedures from this section, in each relevant standard, and in appendices, or other approved method	Y	
§63.7(e)(4)	Does not abrogate authority to require Section 114 testing	Y	
§63.7(f)	Use of alternative test method	Y	
§63.7(g)	Data analysis, recordkeeping, and reporting	Y	
§63.7(h)	Waiver of performance tests	Y	
§63.8	Monitoring Requirements	Y	
§63.8(a)(1)	Applicability	Y	
§63.8(a)(4)	Additional monitoring requirements	Y	
§63.8(b)(1)	Conduct of monitoring	Y	
§63.8(b)(3)	More than one CMS	Y	
§63.8(c)	Operation and maintenance of continuous monitoring systems	Y	
§63.8(c)(1)(i)	Maintenance and operation	Y	
§63.8(c)(1)(iii)	Written startup, shutdown, malfunction plan	Y	
§63.8(c)(2)	Installation	Y	
§63.8(c)(3)	Verification of operational status	Y	
§63.8(f)	Use of an alternative monitoring method	Y	
§63.8(f)(1)	General	Y	
§63.8(f)(5)	Approval of request to use alternative monitoring procedure	Y	
§63.8(f)(5)(iii)	Implementation after approval	Y	
§63.9	Notification Requirements	Y	
§63.9(a)	Applicability and general information	Y	
§63.9(c)	Request for extension of compliance	Y	
§63.9(d)	Notification for special compliance requirements	Y	
§63.9(i)	Adjustments to time periods or postmark deadlines	Y	
§63.10	Recordkeeping and Reporting Requirements	Y	
§63.10(a)	Applicability and general information	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§63.10(d)	General reporting requirements	Y	
§63.10(d)(1)	Report submission	Y	
§63.10(d)(4)	Progress reports	Y	
§63.10(d)(5)(i)	Periodic startup, shutdown, and malfunction reports	Y	
§63.10(f)	Waiver of recordkeeping or reporting requirements	Y	
§63.13	Addresses for requests, reports, applications, submittals, and other communications	Y	
§63.14	Incorporations by reference	Y	
§63.15	Availability of information	Y	
40 CFR, Part 63, Subpart F	**National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry (4-22-1994)**	Y	
§63.104	Heat Exchange System Requirements	Y	
§63.104(a)	Monitoring according to (b) or (c):	Y	
§63.104(c)	Surrogate indicator of heat exchange system leaks	Y	
§63.104(c)(1)	Prepare and implement a monitoring plan, including:	Y	
§63.104(c)(1)(i)	Description of monitored parameter and explanation of how parameter indicates presence of a leak	Y	
§63.104(c)(1)(ii)	Parameter levels that shall constitute a leak, documented by data or calculations	Y	
§63.104(c)(1)(iii)	Monitoring frequency, no less frequent than monthly for first 6 months and quarterly thereafter	Y	
§63.104(c)(1)(iv)	Records to be maintained to document compliance with plan	Y	
§63.104(c)(2)	Monitoring plan revision	Y	
§63.104(c)(3)	Monitoring plan accessibility and records	Y	
§63.104(d)	Leak detection:	Y	
§63.104(d)(1)	Repaired no later than 45 calendar days after confirmation of leak, unless leak due to some other condition	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§63.104(d)(2)	Confirmation of heat exchange system repair within 7 calendar days of repair or startup, whichever later	Y	
§63.104(e)	Delay of leak repair – if equipment is isolated from process, if technically infeasible without a shutdown and:	Y	
§63.104(e)(1)	Shutdown planned within the next 2 months or	Y	
§63.104(e)(2)	If next shutdown not planned within 2 months: delayed repair according to (e)(2)(i) or (e)(2)(ii):	Y	
§63.104(e)(2)(i)	Repair shutdown would cause greater emissions than from delaying repair	Y	
§63.104(e)(2)(i)(A)	Calculation of potential leak emissions	Y	
§63.104(e)(2)(i)(B)	Emissions from purging and depressurizing	Y	
§63.104(e)(2)(ii)	If other than (e)(2)(i) and necessary parts or personnel unavailable, repair must occur within 120 calendar days	Y	
§63.104(f)(1)	Required Records:	Y	
§63.104(f)(1)(i)	Monitoring data indicating a leak, date, and basis for determination that no leak exists, if applicable	Y	
§63.104(f)(1)(ii)	Records of any leaks detected by (c)(2) and date	Y	
§63.104(f)(1)(iii)	Dates of leak repair efforts	Y	
§63.104(f)(1)(iv)	Method or procedure used to confirm leak repair and date	Y	
§63.104(f)(2)	Reports: If delay of repair provisions used, submit in subsequent semiannual report(s) until repaired:	Y	
§63.104(f)(2)(i)	Presence of a leak and date detected	Y	
§63.104(f)(2)(ii)	Whether leak has been repaired or not	Y	
§63.104(f)(2)(iii)	Reason(s) for delay of repair and emission estimates if applicable	Y	
§63.104(f)(2)(iv)	If remaining unrepaired, expected repair date	Y	
§63.104(f)(2)(v)	Date the leak repaired	Y	
40 CFR, Part 63, Subpart G	**National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for**	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	Process Vents, Storage Vessels, Transfer Operations, and Wastewater (4-22-1994)		
§63.111	Definitions	Y	
§63.113	Process Vent Provisions – Reference control technology	Y	
§63.113(a)	Group 1 process vent	Y	
§63.113(a)(2)	Reduce emissions or organic HAPs by 98wt% or to 20 ppmv dry, corrected to 3% oxygen	Y	
§63.113(b)	Boilers/process heaters: vent stream must be introduced into the flame zone	Y	
§63.113(h)	Group determination in §63.115 not required	Y	
§63.114	Process Vent Provisions – Monitoring requirements	Y	
§63.114(a)	Monitoring equipment:	Y	
§63.114(a)(3)	Boiler or process heater < 44MW design capacity, except if gas stream introduced with primary fuel: temperature monitor and continuous recorder	Y	
§63.114(d)	Bypass line	Y	
§63.114(d)(1)	Bypass line flow meter	Y	
§63.114(e)	Parameter monitor range	Y	
§63.116	Process Vent Provisions – Performance test methods and procedures to determine compliance	Y	
§63.116(b)	Performance test not required for:	Y	
§63.116(b)(4)(i)	Boiler or process heater burning hazardous waste issued a final permit under 40 CFR Part 270 and complies with 40 CFR Part 266, Subpart H	Y	
§63.118	Process Vent Provisions – Periodic reporting and recordkeeping requirements	Y	
§63.118(a)	Records for control devices subject to §63.113(a)(2)	Y	
§63.118(f)	Periodic reports	Y	
§63.119	Storage Vessel Provisions – Reference control technology	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§63.119(a)	Storage Vessel Provisions – Requirements and compliance schedule	Y	
§63.119(a)(3)	Storage Vessel Provisions – Group 2 vessels not part of an emissions average	Y	
§63.123	Storage Vessel Provisions – Recordkeeping	Y	
§63.123(a)	Storage Vessel Provisions – Dimensions and capacity	Y	
§63.148	Leak inspection provisions	Y	
§63.148(a)	Compliance with (b) through (j) required, unless meeting (k)	Y	
§63.148(b)	Inspection of vapor collection and closed-vent system, except as in (g) and (h)	Y	
§63.148(b)(1)	For vapor collection or closed-vent systems constructed of hard-piping:	Y	
§63.148(b)(1)(i)	Conduct an initial inspection according to (c)	Y	
§63.148(b)(1)(ii)	Conduct annual inspections for visible, audible, or olfactory indications of leaks	Y	
§63.148(c)	Inspection procedures	Y	
§63.148(d)	Leak repair - for readings > 500 ppm above background or visual leaks	Y	
§63.148(e)	Delay of repair	Y	
§63.148(f)	Bypass lines on vapor collection or closed vent systems	Y	
§63.148(g)	Unsafe to inspect	Y	
§63.148(h)	Difficult to inspect	Y	
§63.148(i)	Records	Y	
§63.148(j)	Reports	Y	
40 CFR, Part 63, Subpart U	**National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (Latex MACT) (9-5-1996)**		
§63.480	Applicability and designation of affected sources	Y	
§63.480(i)	Changes or additions to plant sites	Y	
§63.480(i)(1)	Adding an EPPU to a plant site	Y	
§63.480(i)(2)	Adding emission points or making process changes to existing affected sources	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§63.480(i)(2)(i)	Changes which constitute a new affected source	Y	
§63.480(i)(2)(ii)	Changes for which existing affected source status is unchanged	Y	
§63.480(i)(2)(iii)	Compliance dates	Y	
§63.480(i)(3)	Existing affected source requirements for surge control vessels and bottoms receivers that become subject to Subpart H requirements	Y	
§63.480(i)(4)	Existing affected source requriemetns for compressors that become subject to Subpart H requirements	Y	
§63.480(i)(5)	Determining what are and are not process changes	Y	
§63.480(i)(6)	Reporting requirements for owners or operators that change or add to their plant site or affected source	Y	
§63.480(j)	Applicability of this subpart except during periods of startup, shutdown, and malfunction	Y	
§63.481	Compliance date and relationship to this subpart to existing applicable rules	Y	
§63.481(c)	Existing affected sources: compliance date for this subpart, except for §63.502, is June 19, 2001 unless an extension is granted	Y	
§63.481(d)	Existing affected sources: compliance date for §63.502, is July 31, 1997, except as specified in (d)(1) through (d)(6) unless an extension is granted	Y	
§63.481(d)(1)	Compliance with compressor provisions §63.164 by September 5, 1997 for compressors meeting one or more of (d)(1)(i) through (d)(1)(iv) if work can be accomplished without a shutdown	Y	
§63.481(d)(2)	Compliance with compressor provisions §63.164 by March 5, 1998 for compressors all of (d)(2)(i) through (d)(2)(iv)	Y	
§63.481(d)(3)	Compliance with compressor provisions §63.164 by September 5, 1998 if a process unit shutdown is necessary	Y	
§63.481(d)(4)	Compliance with compressor provisions §63.164 by September 5, 1999 if meeting one or more of (d)(4)(i) through (d)(4)(iii)	Y	

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§63.481(d)(6)	Compliance heat exchange provisions §63.104 by June 19, 2001	Y	
§63.481(f)	Provisions of Subpart A that apply specified in Table 1	Y	
§63.481(g)	Provisions of Subparts F, G, and H that apply specified in Table 2	Y	
§63.481(h)(1)	Provisions of 40 CFR Part 63, Subpart I superceded	Y	
§63.481(i)	Provisions of 40 CFR Part 60, Subpart Kb superceded	Y	
§63.481(l)	Applicability of other requirements for heat exchange systems or waste management units	Y	
§63.481(l)(1)(i)	Heat exchangers subject to Subpart F	Y	
§63.481(m)	Periods of time	Y	
§63.482	Definitions	Y	
§63.483	Emission Standards – compliance required for:	Y	
§63.483(a)(1)	Storage Vessels	Y	
§63.483(a)(2)	Continuous Front End Process Vents	Y	
§63.483(a)(3)	Batch Front-End Process Vents	Y	
§63.483(a)(6)	Equipment Leaks	Y	
§63.483(a)(7)	Additional Test Methods and Procedures	Y	
§63.483(a)(8)	Monitoring Levels and Excursions	Y	
§63.483(a)(9)	General Reporting and Recordkeeping Requirements	Y	
§63.483(b)	Combination of Emissions containing at least one Group 1 emission stream:	Y	
§63.483(b)(2)(i)	Comply with Group 1 continuous front-end process vent requirements	Y	
§63.484	Storage Vessel Provisions	Y	
§63.484(a)	Comply with §63.119 through §63.123 and §63.148 of Subpart G, except as specified in (c) through (q) below	Y	
§63.484(b)	Exempt Storage Vessels	Y	
§63.484(b)(1)	Exempt Storage Vessels – storing styrene-butadiene latex	Y	
§63.484(b)(5)	Exempt Storage Vessels – storing styrene	Y	

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§63.484(c)	Definition of Storage Vessels	Y	
§63.484(e)	Definition of Group 2 Storage Vessels –in §63.482 for use in Subpart G	Y	
§63.485	Continuous Front-End Process Vent Provisions	Y	
§63.485(a)	Requirements in §63.113 through §63.118 of Subpart G, except as specified in (b) through (v) below	Y	
§63.485(b)	Replacing "process vent" in §63.113 through §63.118 of Subpart G with "continuous front-end process vent"	Y	
§63.485(d)	Replacing "Group 1 process vent" in §63.113 through §63.118 of Subpart G with "Group 1 continuous front-end process vent"	Y	
§63.485(f)	Replace December 31, 1992 in §63.113 with June 12, 1995	Y	
§63.485(h)	Replacing NOCS in §63.152(b) of Subpart G with §63.506(e)(5)	Y	
§63.485(i)	Periodic Report requirements in §63.506(e) supercede Subpart G	Y	
§63.485(j)	Definition of "excursion" §63.505(g) and (h) supercede Subpart G	Y	
§63.485(k)	Parameter monitoring levels and excursions in §63.505 supercede §63.114(e) of Subpart G. Replacing "range" in §63.117(f), §63.118(a)(2)(iv), (b)(2)(iv), (f)(1), and (f)(6) of Subpart G with "level"	Y	
§63.485(l)	Replaces reports of process changes in §63.118(g), (h), (i), and (j) of Subpart G	Y	
§63.485(m)	Recordkeeping requirements in §63.506(d) replace §63.152(f)	Y	
§63.485(n)	Only organic HAP listed in Table 5 must be considered in §§63.115 and 63.116	Y	
§63.485(o)	Requirements for continuous front-end process vent combined with batch front-end process vent or aggregate batch vent stream	Y	
§63.485(o)(1)	Requirements for Group 1 continuous front-end process vent combined with batch front-end process vent or aggregate batch vent stream prior to being routed to a control device	Y	
§63.485(r)	Compliance date for continuous front-end process vents in §63.481	Y	
§63.485(v)	Combustion device subject to §63.113(a)(2): correction to 3% oxygen	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	only applies when supplemental combustion air is used		
§63.493	Back-end Process Provisions – Owners and operators of affected sources whose only elastomer products are latex products … are not subject to the provisions of §63.494 through §63.500,	Y	
§63.502	Equipment Leak and Heat Exchange System Provisions	Y	
§63.502(a)	Equipment in organic HAP service subject to Subpart H, except as specified in (b) through (m):	Y	
§63.502(b)	Exempt - Surge control vessels and bottoms receivers in (b)(1) through (b)(7)	Y	
§63.502(b)(1)	Surge control vessels and bottoms receivers containing SB latex	Y	
§63.502(b)(5)	Surge control vessels and bottoms receivers that receive only styrene	Y	
§63.502(c)	Compliance dates in §63.481(d) replace §63.100 of Subpart H for equipment leaks. Extension of compliance dates in §63.481(e) replace §63.182(a)(6)	Y	
§63.502(e)	Initial notifications in §63.182(a)(1) and §63.182(b) are not required.	Y	
§63.502(f)	Notification of Compliance Status in Subpart H – submit within 150 days,, rather than 90 days of the date in §63.481 for equipment leaks	Y	
§63.502(g)	Periodic reports submitted per §63.506(e)(6)	Y	
§63.502(i)	Only organic HAP from Table 5 of this subpart that are also in Table 9 of Subpart G should be considered for §63.166(b)(4)(i)	Y	
§63.502(j)	"Method 18 or Method 25A" replaces "Method 18" in Subpart H, if (j)(1) and (j)(2) are met	Y	
§63.502(l)	The definition of "equipment" in §63.482(b) used for whenever the term is used in Subpart H	Y	
§63.502(m)	"the provisions of Subparts F, I, or U of this part" replaces "the provisions of Subparts F or I of this part" throughout §§63.163, 63.168, and "Subparts F, I, and U" replace "Subparts F and I" in §63.174(c)(2)(iii)	Y	

IV. Source-specific Applicable Requirements

Table IV-CZ
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Polymers and Resins I (Latex) MACT
Latex Plant, including
S-336, Manufacturing Services Thermal Oxidizer
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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§63.502(n)	Heat exchange system provisions – must comply with §63.104, except as in (n)(1) through (n)(6)	Y	
§63.505	Parameter Monitoring Levels and Excursions	Y	
§63.505(a)	Establishment of parameter monitoring levels through (b) below	Y	
§63.505(a)(1)	Control and recovery devices operated in accordance with defined maximum or minimum parameter levels	Y	
§63.505(a)(2)	All established levels, supporting documentation, and operating day definition shall be approved under the Notification of Compliance Status or operating permit.	Y	
§63.505(a)(3)	This section does not allow any excursion caused by an activity that violates other applicable provisions of Subparts A, F, G, or H.	Y	
§63.505(b)	Establishment of parameter monitoring levels based on Performance tests	Y	
§63.505(b)(2)	Continuous front-end process vents and back-end process operations complying using control or recovery devices	Y	
§63.505(g)	Definition of Parameter Monitoring Excursion	Y	
§63.505(g)(1)	For storage vessels, continuous front-end process vents, aggregate batch vent streams, back-end process operations complying through use of control or recovery devices:	Y	
§63.505(g)(1)(i)	Daily average value of one or more monitored parameter is above the defined maximum or below the defined minimum level for the given parameters.	Y	
§63.505(g)(1)(ii)	If control or recovery device operated ≥ 4 hrs/day: monitoring data insufficient to constitute a valid hour of data for > 75% of operating hours	Y	
§63.505(g)(1)(iii)	If control or recovery device operated < 4 hrs/day: monitoring data insufficient to constitute a valid hour of data for > 2 hrs	Y	
§63.505(g)(1)(iv)	Monitoring data insufficient to constitute a valid hour of data: measured	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	values unavailable for any of the 15-minute periods within the hour; for approved data compression systems, less than 4 data measurements/hr		
§63.505(g)(1)(v)	Periods below are not considered part of control or recovery device operation periods:	Y	
§63.505(g)(1)(v)(A)	Monitoring system breakdowns, repairs, calibration checks, zero and high-level adjustments	Y	
§63.505(g)(1)(v)(B)	Startups	Y	
§63.505(g)(1)(v)(C)	Shutdowns	Y	
§63.505(g)(1)(v)(D)	Malfunctions	Y	
§63.505(g)(1)(v)(E)	Periods of non-operation of the affected source	Y	
§63.505(i)	Excused Excursions per semiannual period:	Y	
§63.505(i)(1)	For the first semiannual period: 6 excused excursions	Y	
§63.505(i)(2)	For the second semiannual period: 5 excused excursions	Y	
§63.505(i)(3)	For the third semiannual period: 4 excused excursions	Y	
§63.505(i)(4)	For the fourth semiannual period: 3 excused excursions	Y	
§63.505(i)(5)	For the fifth semiannual period: 2 excused excursions	Y	
§63.505(i)(6)	For the sixth and subsequent semiannual period: 1 excused excursion	Y	
§63.506	General Recordkeeping and Reporting Provisions	Y	
§63.506(a)	Data retention for at least 5 years as specified in (a)(1), except if (a)(2) is met	Y	
§63.506(a)(1)	Most recent 6 months of records retained on site or accessible by computer or other means that provides access within 2 hours	Y	
§63.506(a)(2)	If copies of reports are submitted to the EPA Regional Office, or if the Regional Office has waived the requirement to submit reports, the owner/operator is not required to maintain copies of the reports	Y	
§63.506(b)	Subpart A reporting and recordkeeping requirements apply as specified in Table 1, including:	Y	
§63.506(b)(1)	Startup, Shutdown, Malfunction Plan – develop plan as in §63.6(e)(3) of	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	Subpart A; keep onsite; incorporate by reference into operating permit		
§63.506(b)(1)(i)	Records of startup, shutdown, malfunction:	Y	
§63.506(b)(1)(ii)	Reports of startup, shutdown, malfunction:	Y	
§63.506(b)(2)	Application for approval of construction or reconstruction	Y	
§63.506(d)	Recordkeeping and documentation of continuous records as specified in (d)(1) through (d)(7), unless an alternative recordkeeping system has been approved:	Y	
§63.506(d)(1)	Measure data values at least once every 15 minutes	Y	
§63.506(d)(2)	Record measured data value or block average values	Y	
§63.506(d)(3)	Calculate daily average (or batch cycle daily average) values of each continuously monitored parameter as in (d)(3)(i) and (d)(3)(ii), except as specified in (d)(6) and (d)(7)	Y	
§63.506(d)(6)	Records required when all values in compliance	Y	
§63.506(d)(7)	Monitoring data from the following periods shall not be included in average:	Y	
§63.506(d)(7)(i)	Monitoring system breakdowns, repairs, calibration checks, zero and high-level adjustments	Y	
§63.506(d)(7)(ii)	Startups	Y	
§63.506(d)(7)(iii)	Shutdowns	Y	
§63.506(d)(7)(iv)	Malfunctions	Y	
§63.506(d)(7)(v)	Periods of non-operation of the affected source	Y	
§63.506(d)(8)	Records documenting calibration checks and maintenance of continuous monitoring systems	Y	
§63.506(d)(9)	If waiver under §63.10(f) granted, the information specified as a condition of the waiver, if any	Y	
§63.506(e)	Reporting and notification	Y	
§63.506(e)(1)	Failure to submit information not a violation of reporting requirements if (e)(1)(i) through (e)(1)(iii) met	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§63.506(e)(2)	Addresses and electronic reports	Y	
§63.506(e)(3)(ix)	Supplements to Precompliance Report	Y	
§63.506(e)(5)	Notification of Compliance Status – within 150 days of the compliance dates in §63.481, containing the information in (e)(5)(i) through (e)(5)(xii)	Y	
§63.506(e)(6)	Periodic Reports – as specified in (e)(6)(i) through (e)(6)(xii)	Y	
§63.506(e)(6)(i)	Submit semiannually no later than 60 operating days after the end of each 180 day period, except as in (e)(6)(x) and (e)(6)(xi)	Y	
§63.506(e)(6)(ii)	Statement of compliance	Y	
§63.506(e)(6)(iii)	For affected source subject to §63.484 through §63.501, submit the information as specified in (e)(6)(iii)(A) through (e)(6)(iii)(E)	Y	
§63.506(e)(6)(v)	If a performance test is included in the periodic report, include (e)(6)(v)(A) and (e)(6)(v)(B)	Y	
§63.506(e)(6)(vi)	Changes to primary product determination	Y	
§63.506(e)(6)(vii)	Changes to predominant use determination for a storage vessel	Y	
§63.506(e)(6)(viii)	Changes to predominant use determination for recovery operation equipment	Y	
§63.506(e)(6)(ix)	Periodic report under (h)(1) submitted as part of the Periodic report or Notification of Compliance Status under (e)(5)(xi)	Y	
§63.506(e)(6)(x)	Notification of not retaining daily average or batch cycle daily average values under (h)(2)	Y	
§63.506(e)(6)(xii)	Quarterly reports for emission points and process sections not included in an emissions average	Y	
§63.506(e)(7)	Other Reports	Y	
§63.506(e)(7)(iv)	Reports of changes to the primary product of an EPPU or process unit	Y	
§63.506(e)(7)(v)	Reports of changes or additions to a plant site	Y	
§63.506(f)	Alternative monitoring parameters	Y	
§63.506(g)	Alternative continuous monitoring and recordkeeping	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§63.506(h)	Reduced recordkeeping program – (h)(1) or (h)(2) may replace §the monitoring and recordkeeping that would otherwise apply. Records must be retained for 5 years, except as in (h)(1)(vi)(D):	Y	
§63.506(h)(1)	Batch cycle daily average value if meeting (h)(1)(i) through (h)(1)(iv)	Y	
§63.506(h)(1)(i)	Capability to detect unrealistic data and alert	Y	
§63.506(h)(1)(ii)	Capability to generate at least hourly running averages	Y	
§63.506(h)(1)(iii)	Capability to detect unchanging data and alert	Y	
§63.506(h)(1)(iv)	Capability to alert at specified setpoint	Y	
§63.506(h)(1)(v)	Verification of proper functioning of the monitoring system	Y	
§63.506(h)(1)(vi)	Record retention for parameter monitoring system	Y	
§63.506(h)(2)	Waiver of batch cycle daily average value recordkeeping requirement after 6 consecutive months with no excursions	Y	
§63.506(h)(2)(i)	Notification of non-retention of batch cycle daily average values	Y	
§63.506(h)(2)(ii)	Resumption of batch cycle daily average value records	Y	
§63.506(h)(2)(iii)	Minimum one parameter value per calendar month; record retention	Y	
§63.506(h)(2)(iv)	Definition of excursion for (h)	Y	
§63.506(h)(2)(iv)(A)	Startup, shutdown, malfunction excluded, if Startup, Shutdown, and Malfunction Plan is followed.	Y	
§63.506(h)(2)(iv)(B)	Excused excursions excluded	Y	

IV. Source-specific Applicable Requirements

Table IV-DA
Source-specific Applicable Requirements
MACT - Equipment Leaks
Latex Plant Fugitive Components, including:
Pumps, Valves, Connectors, Compressors, Pressure Relief Devices, Open Ended Valves and Lines, Agitators, and Instrumentation Systems
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 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	
§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	

IV. Source-specific Applicable Requirements

Table IV-DA
Source-specific Applicable Requirements
MACT - Equipment Leaks
Latex Plant Fugitive Components, including:
Pumps, Valves, Connectors, Compressors, Pressure Relief Devices, Open Ended Valves and Lines, Agitators, and Instrumentation Systems
Sym-Tet Plant Fugitive Components

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

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Latex Plant Fugitive Components, including:
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Sym-Tet Plant Fugitive Components

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§63.164(h)	Compressor equipped with a closed-vent sytem capable of capturing and transporting leaks from drive shaft to a process or fuel gas system or to a control device complying with §63.172 is exempt from (a) through (g)	Y	
§63.164(i)	Compressors emitting < 500 ppm is exempt from (a) through (h) if compliance is tested upon designation, annually, and another other times as requested	Y	
§63.165	Standards: Pressure relief devices in gas/vapor service	Y	
§63.165(a)	Except during releases, PRD operated at ≤ 500 ppm, except as in (b)	Y	
§63.165(b)(1)	After each pressure release, the PRD shall meet (a) as soon as practicable, but no later than 5 calendar days of release, except as in §63.171	Y	
§63.165(b)(2)	Monitoring to confirm (a) required no later than 5 calendar days after pressure release and being returned to service	Y	
§63.165(d)	PRD equipped with a rupture disk upstream of the PRD is exempt from (a) and (b) if rupture disk is replaced as soon as practicable, but no later than 5 calendar days, after each release	Y	
§63.166	Standards: Sampling connection systems	Y	
§63.166(a)	Sampling connection system shall be equipped with a closed-purge, closed-loop, or closed-vent system, except as in §63.162(b)	Y	
§63.166(b)	Closed-purge, closed-loop, or closed-vent system requirements	Y	
§63.166(c)	In-situ sampling systems and sampling systems without purges are exempt from (a) and (b)	Y	
§63.167	Standards: Open-ended valves or lines	Y	
§63.167(a)(1)	Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or second valve, except as in §63.162(b) and (d) and (e)	Y	
§63.167(a)(2)	Cap, blind flange, plug, or second valve must seal at all times except during operations requiring flow through the valve/line, during maintenance, or repair	Y	
§63.167(b)	Second valve operated to close after the valve on the process fluid end closes	Y	

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Latex Plant Fugitive Components, including:
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Sym-Tet Plant Fugitive Components

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§63.167(c)	Bleed valve or line may be open during venting of the line between block valves only	Y	
§63.167(d)	Open-ended valves or lines in an emergency shutdown system that open automatically in the event of an upset are exempt from (a) - (c)	Y	
§63.167(e)	Open-ended valves or lines containing materials that would autocatalytically polymerize or would present an explosion, overpressure, or other 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	
§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	

IV. Source-specific Applicable Requirements

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Latex Plant Fugitive Components, including:
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Sym-Tet Plant Fugitive Components

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

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Latex Plant Fugitive Components, including:
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Sym-Tet Plant Fugitive Components

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

IV. Source-specific Applicable Requirements

Table IV-DA
Source-specific Applicable Requirements
MACT - Equipment Leaks
Latex Plant Fugitive Components, including:
Pumps, Valves, Connectors, Compressors, Pressure Relief Devices, Open Ended Valves and Lines, Agitators, and Instrumentation Systems
Sym-Tet Plant Fugitive Components

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§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 moths after stuart-up or no later than 12 months after promulgation of applicable subpart, whichever is later	Y	
§63.174(b)(3)	Monitoring subsequent to initial survey, except as in (c)(2):	Y	
§63.174(b)(3)(i)	If leaking connectors ≥ 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-DA
Source-specific Applicable Requirements
MACT - Equipment Leaks
Latex Plant Fugitive Components, including:
Pumps, Valves, Connectors, Compressors, Pressure Relief Devices, Open Ended Valves and Lines, Agitators, and Instrumentation Systems
Sym-Tet Plant Fugitive Components

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	
§63.182	Reporting requirements	Y	
§63.182(a)	Reports to be submitted:	Y	
§63.182(a)(2)	Notification of Compliance Status	Y	
§63.182(a)(3)	Periodic Reports	Y	
§63.182(c)	Notification of Compliance Status content and deadline – date in §63.502(f) applies	Y	
§63.182(d)	Periodic Report content and deadline	Y	

IV. Source-specific Applicable Requirements

Table IV-DB
Source-specific Applicable Requirements
MACT – Subpart I, Equipment Leaks
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	
§63.192	Standard	Y	

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

~~The owner/operator is out of compliance with the requirement in 40 CFR 63, Subpart B, section 53(b) to submit a case-by-case MACT determination for the Organic Liquids MACT by October 30, 2003. Therefore, the District is imposing the following Schedule of Compliance. These terms are also included in permit Condition #21063.~~

~~Milestones~~
~~By February 1, 2004~~
~~Submit a case-by-case MACT determination for the Organic Liquids MACT.~~

~~Reporting Requirements~~
~~Progress reports shall be submitted on the last day of every month to the Director of Enforcement until the above action is completed. The progress reports shall contain the date by which the item in the custom schedule of compliance was achieved or an explanation of why the item was not achieved by the above date and any corrective measures adopted.~~

~~The custom schedule of compliance and the period of non-compliance with this requirement is automatically terminated on the date of promulgation of the Organic Liquids MACT.~~None.

VI. PERMIT CONDITIONS

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

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

1. Only natural gas shall be fired in the S-460 Heater.
   (Basis: Cumulative Increase)

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

VI. Permit Conditions

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

4. Deleted. Replaced by Rule 9-7-301.1

5. Deleted. Replaced by Rule 9-7-301.1

6. Deleted. Replaced by Rule 9-7-301.1

7. To demonstrate compliance with the limit of 30 ppmvd NOx at 3% oxygen contained in District Regulation 9-7-301.1, the owner/operator shall perform a District-approved source test on S-460 at least once every 5 years. The owner/operator shall notify the Manager of the District's Source Test Section at least seven (7) days prior to the test, to provide the District staff the option of observing the testing. Within 45 days of test completion, a comprehensive report of the test results shall be submitted to the Manager of the District's Source Test Section for review and disposition.
(Basis: BAAQMD Regulation 9-7-301.1)

8. The owner/operator shall maintain records of the source test results from Part 7. These records shall be maintained for five years and made available to District personnel upon request.
(Basis: BAAQMD Regulation 2-6-501, BAAQMD Regulation 9-7-301.1)

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

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

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

Condition # 1359
For S-464, Product Drier
A-95, F-413 Bag Filter
A-114, Vacuum System:

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

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

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

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

Condition #1785
Applications 960, 8997, 16468
For S-521, Water Treatment System - Steam Stripper;
S-531, T410C Storage Tank Tote;
S-532, T410D Storage Tote Tank;
S-641, T-440 Groundwater Treatment Plant Decant Tank
S-336, Manufacturing Services Thermal Oxidizer;
S-389, Sym-Tet Thermal Oxidizer, R-501

1. S-521 Water Treatment System and Tanks S-531, S-532, and S-641 shall be vapor-tight with no detectable organic emissions from the Stripper Column, Condenser, Exchanger, Decant Tanks, Portable Tote Tanks, and/or associated valves and piping.
   (Basis: Cumulative Increase)

2. All emissions from the S-521 Water Treatment System and Tanks S-531, S-532, and S-641 shall be vented to either S-336 Manufacturing Services Thermal Oxidizer or S-389 Sym-Tet Thermal Oxidizer.
   (Basis: Cumulative Increase, BAAQMD Regulation 8-2-301)

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

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

VI. Permit Conditions

Condition # 2039
Applications 26939, 726, 12387, 16468
For S-389, Sym-Tet Thermal Oxidizer, R-501:
A-74, B-502 Caustic Scrubber
A-75, X-505 Particulate Scrubber
A-76, B-503A Carbon Adsorber
A-77, R-502 Nonselective Catalytic Reduction Unit
A-80, B-503B Carbon Adsorber
A-94; B-501 Acid Absorber

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-94 Acid Absorber and A-74 Caustic Scrubber at all times that S-389 is operating. S-389 shall be abated by A-75 Particulate Scrubber at all times that S-389 is burning chlorinated hydrocarbon liquid.
   (Basis: Cumulative Increase, BACT, BAAQMD Regulation 6)

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

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

6. Deleted.

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

8. ~~*Deleted due to confidential information claim.*~~Maximum daily liquid feed throughput for S-389 shall not exceed 70 gallons/hour.
   (Basis: Cumulative Increase, BACT)

VI. Permit Conditions

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 30 days of source test completion.
    (Basis: Cumulative Increase, BACT)

11. Carbon Adsorbers B-503 A and B (A-76 and A-80) shall operate at all times that the R-502 NSCR Unit (A-77) is operating.
    (Basis: Cumulative Increase)

12. Deleted.

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 ft above grade. The stack height of the A-77 Bypass Stack (P-8) shall be at least 35 ft above grade.

VI. Permit Conditions

(Basis: TRMP)

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)

Condition # 2213
Applications 183, 1243, 5926, 16468
For S-400, Experimental Thermal Oxidizer R-901
S-504, Chlorinolysis Train 1 (R-1001, R-1002, B1001)
S-505, Chlorinolysis Train 2 (R-1003 & R-1004)
For A-79, Packed Scrubber B-902
A-121, In Process Technology Thermal Abatement Device
A-401, Acid Adsorber B-901

1. The IPT Thermal Abatement Device (A-121) shall achieve a minimum 99.9 % (wt) Organic Destruction/ Removal Efficiency (3 hour average) at all times, except when emissions are vented through the properly operating S-400 Experimental Thermal Oxidizer.
   (Basis: Cumulative Increase, BAAQMD Regulation 8-2-301)

2. The IPT Device (A-121) shall maintain a minimum operating temperature of 1800 degrees F (982 degrees C) and minimum exhaust gas residence time of 1 second at all times that organic gases are being processed. To demonstrate compliance with this temperature limit, the owner/operator shall operate a continuous temperature monitor and recorder.
   (Basis: Cumulative Increase, BAAQMD Regulation 8-2-301)

3. Emissions from IPT Device (A-121) and S-400 Experimental Thermal Oxidizer shall be vented through the A-401 Acid Absorber and the A-79 Packed Scrubber at all times that A-121 or S-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 in A-121. Compliance with this limit shall be demonstrated by measurement of total organic carbon (TOC) in ppm in each batch of water to be processed and calculation of Q in gallons/minute, the maximum liquid feed rate to S-504, from the following equation:
   Q, gpm = 26.4E6/(500.4*TOC)
   (Basis: Cumulative Increase)

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5. The organic emissions from Train 2 (S-505) shall not exceed 1.5 pounds/hour averaged over any 3 hour sampling period, and before abatement in A-121. (Basis: Cumulative Increase)

6. Deleted.

7. Emissions from S-504 and S-505, Chlorinolysis Trains 1 and 2, shall be abated by either S-400, Experimental Thermal Oxidizer, or A-121, IPT Thermal Abatement Device whenever operating.
(basis: Cumulative Increase, BAAQMD Regulation 8-2-301)

8. The S-400 Experimental Thermal Oxidizer shall achieve a minimum 64% (wt) Organic Destruction/ Removal Efficiency at all times, except when emissions are vented through the properly operating A-121, IPT Thermal Abatement Device.
(basis: BAAQMD Regulation 8-2-301)

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

10. The temperature limits in Part 2 and 9 above shall not apply during an "Allowable Temperature Excursion", provided that the temperature controller setpoint complies with the temperature limit. An Allowable Temperature Excursion is one of the following:
    a. A temperature excursion not exceeding 20 degrees F; or
    b. A temperature excursion for a period or periods which when combined are less than or equal to 15 minutes in any hour; or
    c. A temperature excursion for a period or periods which when combined are more than 15 minutes in any hour, provided that all three of the following criteria are met.
        i. the excursion does not exceed 50 degrees F;
        ii. the duration of the excursion does not exceed 24 hours; and
        iii. the total number of such excursions does not exceed 12 per calendar year (or any consecutive 12 month period).

    Two or more excursions greater than 15 minutes in duration occurring during the same 24-hour period shall be counted as one excursion toward the 12 excursion limit.
    (basis: BAAQMD Regulation 2-1-403)

11. For each Allowable Temperature Excursion that exceeds 20 degrees F and 15 minutes in duration, the owner/operator shall keep sufficient records to demonstrate that they

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meet the qualifying criteria described above. For the purposes of Parts 9 and 10, a temperature excursion refers only to temperatures below the limit.
(basis: BAAQMD Regulation 2-1-403)

12. The owner/operator shall maintain the following records:
    a. TOC measured for each batch of water processed at S-504 in ppm;
    b. Q, the maximum allowable liquid feed rate for each batch in gallons/minute, calculated from the equation in Part 4 above;
    c. The actual liquid feed rate for each tank of water processed at S-504 in gallons per minute;
    d. Temperature controller setpoint for A-121 and S-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.

    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

VI. Permit Conditions

and #2. These records shall be kept for a minimum of five years from the date of last entry and shall be made available to District personnel upon request.
(Basis: BAAQMD Regulation 2-6-501, BAAQMD Regulation 8-1-110.3)

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

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

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 # 3712
Applications 4220, 8824, 12143, 16468
Conditions for S-588, Drum Filling Station
S-589, Product Recovery Tank, T-203
S-638, Truck Mounted Bulk Transportable Pressure Tank X-205
A-142, Vapor Balance System from Drum Filling Station to Truck Mount Bulk Pressure Vesssel
A-177, Container Loading Vapor Balance Line

1. During any drum filling operations involving perchloroethylene, trichloroethylene, xylene, or any agricultural product containing the above chemicals, all emissions from the Small Volume Recyclable Container Filling Line (S-588) shall be vapor

VI. Permit Conditions

balanced via A-142 or A-177 to the airtight Bulk Transportable Containers (S-638). Emissions resulting from drum filling of Lorsban 4E-HF are not required to be vapor balanced back to the S-667 Bulk Transportable Container.
(Basis: Cumulative Increase)

2. Deleted.

3. Deleted.

4. Deleted.

5. The combined throughput of chlorinated solvents (perchloroethylene and trichloroethylene) at S-588 shall not exceed 3,416,000 gallons during any consecutive 12 month period. The throughput of chlorinated solvent drums (15.5 gallon capacity) at S-588 shall not exceed 604 drums during any calendar day.
(Basis: Cumulative Increase)

6. ~~*Deleted due to confidential information claim.*~~The throughput of drums loaded with agricultural products at S-588 shall not exceed 32,258 drums during any consecutive 12-month period; nor 576 drums per calendar day.
(Basis: Cumulative Increase)

7. The owner/operator of S-588 shall maintain appropriate daily records to confirm compliance with Parts ~~#3, #4,~~ #5~~,~~ and #6. These records shall be made available to District personnel upon request and shall be kept on file for a minimum of five years from the date of last entry.
(Basis: Cumulative Increase, BAAQMD Regulation 2-6-501)

8. The operator of shall test S-638 for compliance with Regulation 8-5-307 once every 3 months, or if S-638 is not operated during the previous 3-month period, then the operator shall check for compliance at the next loading event.
(Basis: BAAQMD Regulation 8-5-307/BAAQMD Regulation 2-1-403)

9. The operator shall keep records that the gas tight condition was verified for S-638 and the results of the check. These records shall be kept on site for a minimum of five years from the date of entry and shall be made available to District personnel upon request.
(Basis: BAAQMD Regulation 8-5-307/BAAQMD Regulation 2-1-403)
Regulation 2-6-501)

Condition # 4002
Application 4113
Conditions for S-586, T-371, Recycle Tank, and

VI. Permit Conditions

S-587**,** Tank Truck Loading at Latex for Recycle Styrene
A-42, B-368 Latex Plant Styrene Scrubber
A-141, Vapor Balance System for Latex, Recycle Styrene Truck Loading

1. Total styrene/butadiene solution throughput at the S-587, Tank Truck Loading at Latex for Recycle Styrene, shall not exceed 48,000 gal/yr.
   (Basis: Cumulative Increase)

2. All loading of styrene/butadiene solutions at S-587 shall be abated by the A-141 Vapor Balance System.
   (Basis: Cumulative Increase)

3. The S-586, T-371 Recycle Storage Tank, shall be vapor-tight and vented to the Latex Plant Styrene Scrubber, A-42 at all times that S-586 is operating.
   (Basis: Cumulative Increase)

4. The owner/operator of S-587 shall maintain appropriate records to confirm compliance with Part #1. These records shall be kept on file for a minimum of five years from the date of last entry and shall be made available to District personnel upon request.
   (Basis: Cumulative Increase, BAAQMD Regulation 2-6-501)

Condition # 4780
Applications 4128, 16468, 8894
Permit Conditions for Sources
S-593, Plant 640, Section 1, including: R-101, R-201, R-1;
S-594, Plant 640, Section 2
S-595, Plant 640, Section 3
S-596, Plant 640, Section 4, including: B-1701, R-280;
S-604, Truck Loading Facility Plant 640;
S-606, T-602 Plant 640 (exempt)
S-607, T-1904 Plant 640 and
S-618, Cooling Tower (exempt)
A-147, B-3210 Scrubber
A-149, B-1303 Packed Bed Scrubber:

1. Emissions of precursor organic compounds from the A-147 Scrubber (P-242) and the A-149 Scrubber (P-243) combined shall not exceed 8 pounds on any day.
   (Basis: Cumulative Increase)

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

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(Basis: TRMP)

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

4. Deleted.

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

Methyl Chloroacetate (MCA)
4-amino-3,5 dichloro-2,6 difluoro pyridine
N-Methyl Pyrrolidone (NMP)
Methyl Chloride
Methanol
Ethylene Glycol
Fully Halogenated Heterocycle (FHC)
Ammonia
Potassium Chloride
Potassium Hydroxide

(Basis: TRMP)

6. There shall be no detectable organic emissions from Tank Truck Loading at source S-604. "Detectable emissions" for the purpose of this permit condition is defined as 100 ppm organic as methane measured 1 cm from the source using an FID, OVA, or equivalent monitoring device.
(Basis: Cumulative Increase, TRMP)

7. Deleted.

8. Deleted.

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

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

10. Deleted.

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

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

*13. All materials handled at Tank Truck Loading source S-604 shall not be spilled, discarded in sewers, stored in open containers, or handled in any other manner that would result in evaporation to the atmosphere.
(Basis: TRMP)

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

15. Deleted.

16. The owner/operator of S-593, S-594, S-595, S-596, S-604, and S-618 shall maintain appropriate records in order to confirm compliance with Parts #9, ~~10,~~ 11, and 18. These records shall be kept on file for a minimum of five years and shall be made available to District personnel upon request.
(Basis: Cumulative Increase, BAAQMD Regulation 6-301, BAAQMD Regulation 2-6-501)

17. A-147 Scrubber (P-242) shall abate S-593, S-594, S-596, S-606, and S-607 at all times each source is operating, and A-149 Scrubber (P243) shall abate S-595 at all times S-595 is operating.
(Basis: Cumulative Increase, BAAQMD Regulation 8, Rule 2)

18. To demonstrate compliance with the emission limit in Part 1 and with Regulation 8-2-301, the owner/operator shall perform a District-approved source test at least once every 5 years. The owner/operator shall notify the Manager of the District's Source Test Section at least seven (7) days prior to the test, to provide the District staff the option of observing the testing. Within 45 days of test completion, a comprehensive

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report of the test results shall be submitted to the Manager of the District's Source Test Section for review and disposition.
(Basis: Cumulative Increase, Regulation 8-2-301)

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 6-301)

3. The owner/operator of S-620 shall maintain records of all visible emission check results and description of any corrective action taken. These records shall be kept on file for a minimum of five years and shall be made available to District personnel upon request.
(Basis: BAAQMD Regulation 2-6-501, BAAQMD Regulation 6-301)

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: TRMP)

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

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*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: TRMP)

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

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

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

3. The owner/operator of the A-154 Vent Recovery System shall continuously monitor the pressure drop across the Heat Exchangers and the temperature of the exit vapor stream.
(Basis: BAAQMD Regulation 8-1-110.3 or BAAQMD Regulation 8-2-301/BAAQMD 2-1-403)

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

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Condition # 5180
A/N 4973, 16468
Condition for S-609, Acetone Truck Loading Rack
abated by A-161, Sorbathene Vapor Recovery System

1. S-609 Acetone Truck Loading shall be vented to the properly maintained and properly operating A-161 Sorbathene Vapor Recovery System whenever S-609 is transferring liquid.
   (Basis: BAAQMD Regulation 8-6-302.1/BAAQMD 2-1-403)

2. The capture efficiency of the Sorbathene Vapor Recovery System (A-161) shall be maintained at a minimum of 95% on a mass basis.
   (Basis: BAAQMD Regulation 8-6-302.1/BAAQMD 2-1-403)

3. Precursor Organic Compound (POC) emissions from S-609 shall not exceed 0.35 pounds per 1000 gallons of throughput after abatement (A-161).
   (Basis: BAAQMD Regulation 8-6-302.1)

4. Deleted.

5. As part of the start-up source test required in Part #4, the owner/operator of A-161 shall establish a carbon bed regeneration policy, a minimum carbon bed regeneration time period, and a maximum allowable bed temperature increase to insure proper operation of A-161.
   (Basis: BAAQMD Regulation 8-6-302.1/BAAQMD 2-1-403)

6. The owner/operator of A-161 shall maintain records of
   (1) the time, date, and gallons loaded for each acetone truck loading event,
   (2) the bed temperature rise during each truck loading event,
   (3) the date and length of time of each bed regeneration to confirm compliance with the standards established in Part #5,and
   (4) the leak inspection records for Part #7.
   These records shall be kept on file for a minimum of five years and shall be made available to District personnel upon request.
   (Basis: BAAQMD Regulation 2-6-501, BAAQMD Regulation 8-6-302.1, BAAQMD Regulation 8-6-305, BAAQMD Regulation 8-5-306)

7. During all loading events, the operator shall confirm that all connections to the tank truck and A-161 Sorbathene Vapor Recovery System are leak free and in good working order.
   (Basis: BAAQMD Regulation 8-6-305, BAAQMD Regulation 8-5-306)

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

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

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

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

Condition # 5377
A/N 4451
For S-25, Material Flow Tank, T-734:
Conditions for A-151

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

2. A-151, Vapor Balance System shall be properly maintained and operated and shall abate S-25 during loading of any organic liquids with vapor pressure greater than 0.5 psia.
   (Basis: BAAQMD Regulation 8-5-301)

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.

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(Basis: BAAQMD Regulation 6, 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: TRMP, BAAQMD Regulation 8-1-110.3/BAAQMD 2-1-403)

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

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

4. The owner/operator of S-633 shall maintain appropriate records to verify compliance withPart #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: TRMP, BAAQMD Regulation 2-6-501, BAAQMD Regulation 8-1-110.3/ BAAQMD 2-1-403)

Condition # 6859
Applications 26910, 7308, 12387, 11902, 16468
Conditions for S-336, Manufacturing Services Thermal Oxidizer
A-21, B-15 Manufacturing Services Scrubber
A-54, B-15 Demister
A-72, B-16 Caustic Scrubber
A-86, B-14A & B 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-72).

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(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, and 8 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 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)

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

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1. Combined throughput of 36% hydrochloric acid at S-644 and S-645 shall not exceed 3,000,000 gallons in any consecutive 12-month period.
   (Basis: BAAQMD Regulation 2-1-403)

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

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

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

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 6-301)

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

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

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

3. The owner/operator of S-654 shall maintain monthly records of blast media type and throughput; description of object resurfaced and, if necessary, method of blasting to demonstrate compliance with BAAMQD Regulation 12, Rule 4 requirements; certifications for all abrasives used in any unconfined dry blasting; and screen inspection results and the date of any repairs in a District-approved log. These

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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 representatives upon request.
(Basis: Cumulative Increase, BACT, BAAQMD Regulation 2-6-501)

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

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

Condition # 8894
Application 9962, 17824, 16468, 8894
For S-431, Carbon Tetrachloride Pressure Vessel, D-260A:
For S-432, Carbon Tetrachloride Pressure Vessel, D-260B:
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, TRMP)

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, TRMP)

Conditions for S-647

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3. All process emissions from S-647 shall be vented to S-648. ~~*Throughput limit deleted due to confidential information claim.*~~
(Basis: Cumulative Increase, TRMP)

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

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, TRMP)

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, TRMP)

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, TRMP, BAAQMD Regulation 2-6-501)

Conditions for S-648

*9. Deleted ~~*due to confidential information claim*~~.

10. S-648 shall be abated by A-181 (B-278) Packed Bed Scrubber and A-182 (B-279) Packed Bed Scrubber, in series. The A-182 Packed Bed Scrubber shall be vented to either the A-184 Carbon Beds or the S-336 Thermal Oxidizer. Whenever A-182 is vented to A-184, A-184 shall consist of two 600-pound activated carbon canisters, in series, except when changing out the first carbon bed in series or when performing maintenance on a carbon bed. Whenever A-182 is vented to A-184, S-648 shall be abated by at least one carbon canister.
(Basis: Cumulative Increase, TRMP)

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

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

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

~~13.~~14. The owner/operator of S-648 shall maintain the following records ~~on a daily basis~~ in a District- approved log:

a. total hydrochloric acid throughput on a daily basis,
b. daily hydrocarbon concentration readings as required in Parts #11 and #12,
c. number, time, and date of carbon bed replacements,
d. dates and times that S-648 is vented to S-336 instead of to A-184,~~.~~ and
e. emissions of POC and HCl from A-184 on a monthly basis for the previous 12 month period.

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

Conditions for S-649

*15. Deleted ~~*due to confidential information claim*~~.

*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: TRMP)

*17. The owner/operator of S-649 shall maintain records of hydrochloric acid throughput in a District-approved log. These records shall be retained on site for a minimum of five years from the date of entry and made available to District representatives upon request.
(Basis: TRMP, BAAQMD Regulation 2-6-501)

Conditions for S-650, 651, & 652

*18. Deleted ~~*due to confidential information claim*~~.

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*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: TRMP)

*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: TRMP, BAAQMD Regulation 2-6-501)

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

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

2. Except during periods of start-up or shutdown, the concentration of nitrogen oxide (NOx) emissions from S-444 shall not exceed 30 ppmvd at 3% oxygen.
(Basis: BAAQMD Regulation 9-7-301)

3. Except during periods of start-up or shutdown, the concentration of carbon monoxide (CO) emissions from S-444 shall not exceed 50 ppmvd at 3% oxygen.
(Basis: BACT)

4. Deleted.

5. To demonstrate compliance with Part 2 above, the owner/operator shall conduct a source test to determine NOx emissions at least once every 5 years. The owner/operator shall notify the Manager of the District's Source Test Section at least seven (7) days prior to the test, to provide the District staff the option of observing the testing. Within 45 days of test completion, a comprehensive report of the test results and calculations shall be submitted to the Manager of the District's Source Test Section for review and disposition.
(Basis: BAAQMD Regulation 9-7-301)

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 9-7-301)

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Condition # 11276
Applications 31263, 4451, 12387, 16468
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:
A-150, Vapor Balance System for Styrene Tank Truck Loading
A-151, Vapor Balance System for Styrene Loading Via Railcar
S-336, Manufacturing Services Thermal Oxidizer
S-389, Sym-Tet Thermal Oxidizer R-501

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

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

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

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

*3. The Vapor Balance System for styrene tank truck loading (A-150) shall be properly maintained and operated and shall abate S-5 during any styrene loading operation.
(Basis: Voluntary Limit)

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

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

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

Condition # 13335
Application 25981
Conditions for S-675, Carbon Tetrachloride Railcar Storage Tank:

1. The total carbon tetrachloride throughput for S-675 shall not exceed 5,669 gallons (74,720 pounds) during any consecutive 12-month period.
   (Basis: Cumulative Increase)

2. The total number of unloading events at S-675 shall not exceed 5 during any calendar year.
   (Basis: Cumulative Increase)

3. The Permit Holder of S-675 shall maintain records of carbon tetrachloride throughput and the date and number of unloading events in a District-approved log. These records shall be retained on site for a minimum of five years from the date of entry and made available to District personnel upon request.
   (Basis: Cumulative Increase, BAAQMD Regulation 2-6-501)

Condition # 14098
For S-174, Gasoline Dispensing Island:

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

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

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1. The total carbon tetrachloride throughput for S-680 shall not exceed 5,669 gallons (74,720 pounds) during any consecutive 12-month period.
   (Basis: Cumulative Increase)

2. The total combined number of unloading (transfer) events at S-680 shall not exceed 5 during any calendar year.
   (Basis: Cumulative Increase)

3. The owner/operator of S-680 shall maintain records of carbon tetrachloride throughput and the date and number of 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.
   (Basis: Cumulative Increase, BAAQMD Regulation 8-6-302.1)

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

Condition # 14438
Application 16769, 8894
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

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

1. Deleted.

2. Deleted ~~*due to confidential information claim*~~.

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.
   (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 at least 89.0% of the total annual Dowicil Plant operating time.
   (Basis: BACT)

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

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

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

      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

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(Basis: BACT)

8. The owner/operator of S-302, S-303, S-662, S-663, and S-664 shall demonstrate compliance with Parts #~~1~~ 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 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 S-389 using the data collected for b. and d. above.
   f. Daily records of the A-192 exhaust flow rate, Q, measured pursuant to Part #7.a.
   g. Daily records of the A-192 exhaust gas temperature, T, measured pursuant to Part #7.b.
   h. Daily records of the A-192 methylene chloride emission rate, E, calculated pursuant to Part #7.c.

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

Condition # 14722
Application 17265
Conditions for S-682, Groundwater Treatment Plant Air Stripper
S-336, Manufacturing Services Thermal Oxidizer,
S-389, Sym-Tet Thermal Oxidizer R-501:

1. The S-682, Air Stripper shall be abated by either the S-336, Manufacturing Services Thermal Oxidizer or the S-389, Sym-Tet Thermal Oxidizer during all hours of operation. All associated piping shall be vapor tight with no detectable organic emissions.
   (Basis: Cumulative Increase, Offsets, BAAQMD Regulation 8-47-301)

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2. The total amount of contaminated ground water treated at S-682 shall not exceed 52,560,000 gallons during any consecutive 12-month period.
   (Basis: Cumulative Increase, Offsets)

3. The total amount of volatile organic compounds fed to the S-682 Air Stripper shall not exceed 52,560 pounds during any consecutive 12 month period.
   (Basis: Cumulative Increase, Offsets)

4. The concentration of carbon tetrachloride in the ground water fed to S-682 shall not exceed 105 ppm by weight.
   (Basis: Cumulative Increase, TRMP)

5. To confirm compliance with Parts #2 through #4, the owner/operator of S-682 shall maintain the following records in a District approved logbook.
   a. Monthly records of the total amount of ground water treated at S-682.
   b. For each of the first three days of operation at least one sample of influent water shall be collected and analyzed. For the first four months of operation a minimum of two samples per month shall be collected and analyzed. At least one sample shall be collected and analyzed thereafter for each calendar month of operation.
   c. Calculate the amount of volatile organics fed to S-682 on a monthly basis using the amount of ground water processed during the month (from Part 5.a.) and the maximum detected amount of volatile organics in the ground water samples analyzed in accordance with Part 5.b.

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

Condition # 15372
Conditions for S-683, Storage Vessel, D-110A:

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

2. During tank loading, the S-683 Storage Vessel shall be equipped with a gas tight vapor balance line that returns vapors from the storage vessel to the delivery tank trucks.
   (basis: Cumulative Increase)

3. The total amount of acrylic acid loaded into S-683 shall not exceed 210,000 gallons during any consecutive 12-month period.
   (basis: Cumulative Increase)

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4. To confirm compliance with Part #3, the owner/operator of S-683 shall maintain the following records in a District approved logbook.
   a. Monthly records of the total amount of acrylic acid loaded into S-683 and any other materials loaded into S-683.
   b. Monthly records of the vapor pressure of all materials loaded into S-683

   These records shall be kept on site for a minimum of five years from the date of entry and shall be made available to District personnel upon request.
   (basis: Cumulative Increase, BAAQMD Regulation 2-6-501)
5. S-683 may not store any liquid containing organic compounds with a vapor pressure greater than 0.5 psia.
   (basis: BAAQMD Regulation 2-1-301)

Condition # 15932
Application 18750, 16468, 8894
For S-693, Distillation System:
For S-694, Reaction/HCL Absorption System:
For S-695, Storage Tank, T-526:
For S-696, Storage Tank, T-527:
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. ~~*Deleted due to confidential information claim.*~~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: TRMP, 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: TRMP, Offsets)

4. ~~The owner/operator of S-693 shall maintain records of FTF throughput and A-194 alkali solution circulation rate on a weekly basis in a District-approved log. 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.~~Deleted.
~~(basis:Cumulative Increase, Offsets, TRMP, BAAQMD Regulation 2-6-501)~~

~~Conditions for S-694~~

5. Deleted ~~*due to confidential information claim*~~.

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, TRMP)

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, TRMP)

8. The owner/operator of S-693 and S-694 shall maintain records of FTF and CTC throughput and ~~A-195~~ alkali solution circulation rates for A-194 and A-195 on a weekly basis in a District-approved log. The POC emissions from S-693 and S-694 shall be calculated on a monthly basis to demonstrate compliance with Part 1. These records shall be retained on site for a minimum of five years from the date of entry and made available to District personnel upon request.
(basis: Cumulative Increase, Offsets, TRMP, BAAQMD Regulation 2-6-501)

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

9. ~~*Deleted due to confidential information claim.*~~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. ~~The owner/operator of S-695 and S-696 shall maintain records of FTF throughput, as well as throughput and vapor pressure of any other liquid stored, on a weekly basis in a District-approved log. These records shall be retained on site for a minimum of five years from the date of entry and made available to District personnel upon request.~~Deleted.
~~(basis: Cumulative Increase, BAAQMD Regulation 2-6-501)~~

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~~Conditions for S-697~~

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. ~~for all loading of~~ 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. ~~including~~ 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 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. ~~*Deleted due to confidential information claim.*~~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.

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(basis: Cumulative Increase, BAAQMD Regulation 6)

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)

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/BAAQMD Regulation 2-1-403)

Condition # 16610
For S-198, Latex Plant Process Recycle Tank, T-366:
For S-199, Latex Plant Process Tank, T-367:
For S-226, Latex Plant Process Tank, T-364:
For S-421, Latex Plant Process Recycle Tank, T-368:
For S-489, Latex Still, B-100:
For S-490, Stripping Tank, B-310:
For S-491, Pressure Tank, T-363:
For S-507, Latex Plant Reactor, R-100:
A-42, B-268 Latex Plant Styrene Scrubber
S-336, Manufacturing Services Thermal Oxidizer
S-389, Sym-Tet Thermal Oxidizer, R-501

1. All emissions from the S-507 Latex Plant Reactor and S-489 Latex Plant Still shall be abated by the A-42 Styrene Scrubber.
(Basis: Cumulative Increase, BAAQMD Regulation 8-36-301.1)

2. The Latex Plant Process Tanks (S-198, S-199, S-226, S-421, and S-491) shall each be vented to A-42, whenever the tank contains organic compounds.
(Basis: Cumulative Increase, BAAQMD Regulation 8-36-301.1)

3. The B-310 Stripping Tank (S-490) shall be vented to A-42, whenever S-490 is being used for steam stripping of decant water.
(Basis: Cumulative Increase, BAAQMD Regulation 8-36-301.1)

4. Total organic emissions from the A-42 Styrene Scrubber shall not exceed 346 pounds per day.
(Basis: Cumulative Increase)

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5. Emissions from the A-42 Styrene Scrubber shall be vented to a Thermal Oxidizer (either S-336 or S-389) at least 90% of total Latex Plant (S-489, S-507) operating time.
   (Basis: Offsets – Emission Reductions Banked)

6. During any time that A-42 is not vented to a Thermal Oxidizer, the A-42 scrubber solution shall have a styrene concentration of at least 80% by weight.
   (Basis: Cumulative Increase, BAAQMD Regulation 8-36-301.1)

7. During any time that A-42 is not vented to a Thermal Oxidizer, the S-507 Latex Plant Reactor shall process no more than 4 styrene-butadiene latex batches per calendar day.
   (Basis: Cumulative Increase)

8. In order to demonstrate compliance with Parts #4 through #7, the owner/operator shall maintain the following records for each bypass incident (any time during which A-42 vents to the atmosphere instead of to a Thermal Oxidizer.)
   a. Record the date, time, and duration for each bypass incident,
   b. Record the reason for each bypass incident,
   c. Record the styrene concentration in the scrubber solution at least once per day during each bypass incident, and
   d. Record the number of batches produced by the S-507 Latex Plant Reactor during each bypass incident.

   All records shall be maintained on site for at least 5 years from the date of entry and shall be made available to District staff upon request.
   (Basis: Cumulative Increase, Offsets, BAAQMD Regulation 8-36-301.1/BAAQMD Regulation 2-1-403, BAAQMD Regulation 2-6-501)

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

*1. The total amount of organic materials stored at S-701 shall not exceed 100,000 gallons during any consecutive 12-month period.
   (Basis: Toxic Risk Management Policy)

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

3. In order to demonstrate compliance with Part #1, the owner/operator of S-701 shall maintain monthly records of the type and amount of materials stored at S-701. All

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records shall be kept on site for at least 5 years from the date of entry and shall be made available to District staff upon request.
(Basis: TRMP, BAAQMD Regulation 2-6-501, BAAQMD Regulation 8-5-501.1)

Condition # 17683
Conditions for S-705, Shot Blast Unit and A-198, Dust Collector

1. The total (gross) usage of abrasives at the S-705, Shot Blast Unit, shall not exceed 280,320 pounds during any consecutive 12-month period.
(Basis: Cumulative Increase)

2. Emissions from S-705 shall be abated by the A-198, Dust Collector, during all times that S-705 is operating. The A-198, Dust Collector, shall be operated and maintained in accordance with the manufacturer's recommended operating and maintenance procedures. Failure to control emissions from S-705 with a properly operated and properly maintained dust collector will result in a violation of the Regulation 2-2-302 BACT requirement.
(Basis: Cumulative Increase)

3. In order to demonstrate compliance with Parts 1 and 2, the Permit Holder shall maintain the following records:
   a. Record the operating times for the S-705, Shot Blast Unit, and the A-198, Dust Collector, on a daily basis.
   b. Record the total (gross) amount of abrasives used at S-705 on a monthly basis.
   c. Maintain records of the manufacturer's recommended operating and maintenance procedures for the A-198, Dust Collector.
   d. Establish a pre-operation checklist or other equivalent procedure to ensure that A-198 will only be operated in accordance with the manufacturer's recommendations.
   e. Maintain records of all cleaning, maintenance, and repairs performed on the A-198, Dust Collector, to demonstrate that this dust collector was maintained in accordance with the manufacturer's recommendations.

   All records shall be retained on-site for five years, from the date of entry, and made available for inspection by District staff upon request. These requirements shall not replace the record keeping requirements contained in any applicable District Regulations.
(Basis: Cumulative Increase, BAAQMD Regulation 2-6-501)

FUTURE Condition # 17878
Conditions for S-704, Storage Tank

1. The S-704 Storage Tank shall be equipped with a pressure relief valve set to at least 50 psig.

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(basis: BAAQMD Regulation 8-5-303)

2. During tank loading, the S-704 Storage Tank shall be equipped with a gas tight vapor balance line that returns vapors from the storage tank to the delivery rail cars.
(basis: Cumulative Increase, BAAQMD Regulation 8-6-304)

3. The total amount of acrylonitrile loaded into S-704 shall not exceed 580,000 gallons during any consecutive 12-month period.
(basis: Cumulative Increase)

4. To confirm compliance with Part #3, the Permit Holder of S-704 shall maintain the following records in a District approved logbook.
    a. Monthly records of the total amount of acrylonitrile loaded into S-704.

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

Condition # 17971
Applications 690, 2416
For S-506, Manufacturing Services Storage Tank, T-404
S-336, Manufacturing Services Thermal Oxidizer:

1. S-506 (T-404) shall be operated as a pressure vessel with the pressure maintained below 100 psig or be abated by S-336 (Manufacturing Services Thermal Oxidizer) during all tank filling operations.
(basis: Cumulative Increase, BAAQMD Regulation 8-6-304)

2. S-506 shall be operated with a nitrogen blanket at all times and shall have a minimum pressure relief setting of 1.5 psig.
(basis: Cumulative Increase)

3. There shall be no detectable organic emissions from S-506, its associated equipment, and/or its vapor recovery connections.
(basis: Cumulative Increase, BAAQMD Regulation 8-5-307)

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

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S-336, Manufacturing Services Thermal Oxidizer

1. The HCL Rail Car Loading Operations (S-4) shall be abated by either the S-336 Thermal Oxidizer, or by the A-199 Caustic Scrubber, during all times that hydrochloric acid is being loaded.
   (Basis: BAAQMD Regulation 6-310 and BAAQMD Regulation 7-300/BAAQMD Regulation 2-1-403)

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

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

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

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

6. The caustic concentration in the A-199 Caustic Scrubber shall not drop below 1% by weight of sodium hydroxide (NaOH).
   (Basis: BAAQMD Regulation 6-310/BAAQMD Regulation 2-1-403)

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

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

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Future condition:

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

Condition # 18128
Applications 30453, 681, 6955, 19565, 2047, 7475, 16468, 8894
Conditions for the Vikane Plant including:
S-454, Vikane Plant;
S-449, Hydrochloric Acid Storage Tank, T-30;
S-268, Fumigants Closed Pressurized Storage Tank T-4 (exempt);
S-269, Fumigants Closed Pressurized Storage Tank T-5 (exempt);
A-90, H-30 Acid Absorber;
A-91, B-30 Absorber;
A-46, B-7 Caustic Scrubber; and
A-197, B-4 Caustic Scrubber

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

2. ~~*Deleted due to confidential information claim.*~~Abated particulate emissions, including emissions of hydrochloric acid, hydrofluoric acid, and sulfuryl fluoride, from S-454 (P-127 and P-128 combined) shall not exceed 2.5 pounds and sulfur dioxide emissions from S-454 shall not exceed 0.04 pounds in any day.
(Basis: BAAQMD Regulation 2-1-301)

3. ~~*Deleted due to confidential information claim.*~~Abated hydrochloric acid emissions from S-449 (P-188) shall not exceed 68 pounds in any consecutive 12-month period.
(Basis: Cumulative Increase)

4. ~~*Deleted due to confidential information claim.*~~Abated hydrochloric acid emissions from S-449 (P-188) shall not exceed 0.3 pounds in any day.
(Basis: BAAQMD Regulation 2-1-301)

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5. Emissions from the S-454 Vikane Plant shall be vented to the A-90 Acid Absorber and A-91 Acid Absorber (in series) during all hours of operation, except as described below in Part 6.
(Basis: Cumulative Increase, Toxic Risk Management Policy, and BAAQMD Regulation 6-310/BAAQMD Regulation 2-1-403)

6. Emissions from S-454 shall be vented to either
   a. the A-46 Caustic Scrubber, or
   b. the A-197 Caustic Scrubber, or
   c. the S-434 Manufacturing Services Facility and A-199 Manufacturing Services Scrubber B-12 in series, or
   d. the A-87 HCl Absorber H-109 and A-85 Absorber B-102 and A-199 in series,
   during any time that emissions are not vented to A-90 and A-91. Emissions from S-454 may be vented to any of the abatement trains above during start-up or shut-down of the reactors, during maintenance, or during upset conditions.
(Basis: Cumulative Increase, Toxic Risk Management Policy, and BAAQMD Regulation 6-310/BAAQMD Regulation 2-1-403)

7. Emissions from the S-449 Hydrochloric Acid Storage Tank shall be vented to the A-91 Acid Absorber, whenever S-449 is storing hydrochloric acid.
(Basis: Cumulative Increase, Toxic Risk Management Policy, and BAAQMD Regulation 6-310/BAAQMD Regulation 2-1-403)

8. The A-90 and A-91 Acid Adsorbers shall achieve a combined removal efficiency of 99.99 percent by weight of the hydrogen chloride (HCl) emissions vented to A-90, or A-91 shall emit no more than 0.068 pounds/hour (477 grains/hour) of HCl (including all HCl from any hydrochloric acid mist emissions).
(Basis: Cumulative Increase, Toxic Risk Management Policy, and BAAQMD Regulation 6-310/BAAQMD Regulation 2-1-403)

9. The Permit Holder shall demonstrate compliance with Part 8 by maintaining the bottom temperature of B-30 (A-91) to no greater than 80 degrees C. In no event shall the average temperature exceed 80 degrees C during any consecutive 24-hour period. The Permit Holder shall measure the temperature at the bottom of B-30 and calculate a rolling 24-hour average temperature each hour to demonstrate compliance with this requirement. (Basis: Cumulative Increase, Toxic Risk Management Policy, and BAAQMD Regulation 6-310/BAAQMD Regulation 2-1-403)

10. The A-46 and A-197 Caustic Scrubbers shall each achieve either the minimum removal efficiencies (percent by weight) or maximum emission rates identified in subparts a.-d. below.

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a. For hydrogen chloride and hydrochloric acid mist, A-46 and A-197 shall each achieve either 99 percent control by weight or shall each emit no more than 0.0023 pounds/hour of HCl.
b. For hydrogen fluoride and hydrofluoric acid mist, A-46 and A-197 shall each achieve either 97 percent control by weight or shall each emit no more than 0.59 pounds/hour of HF.
c. For all other acid gases and acid mists, A-46 and A-197 shall each achieve either 99 percent control by weight or shall each emit no more than 0.025 pounds/hour of acid gas.
d. For sulfur dioxide, A-46 and A-197 shall each achieve either 99 percent control by weight or shall each emit no more than 0.61 pounds/hour of SO2.

(Basis: Cumulative Increase, Toxic Risk Management Policy, BAAQMD Regulation 6-310, and BAAQMD Regulation 9-1-302)

11. The Permit Holder shall demonstrate compliance with Part 10 above by using a caustic scrubbing solution in A-46 and A-197 with a minimum hydroxide (OH-) concentration of 2 percent by weight from either sodium hydroxide (NaOH) or potassium hydroxide (KOH). To demonstrate compliance with this requirement, the Permit Holder shall collect a sample of scrubbing solution used at A-46 and A-197 once per day and shall analyze the sample for pH and weight percent of NaOH or KOH.
(Basis: Cumulative Increase, Toxic Risk Management Policy, BAAQMD Regulation 6-310, and BAAQMD Regulation 9-1-302)

12. In order to demonstrate compliance with Parts 1-11 above, the Permit Holder shall maintain the following records:
a. Daily records of operating time for the Vikane Plant (S-454).
b. Hourly records of the temperature at the bottom of B-30 (A-91) and the rolling 24 hour averages.
c. Daily records of the pH and hydroxide concentration in the scrubbing solution for the A-46/A-197 Caustic Scrubbers.
d. Daily records of the amount of Vikane produced at S-454, totaled each month.
e. Monthly records of the throughput rate for hydrochloric acid (expressed as 36% HCl) at S-449.
f. Monthly and daily records of particulate emissions (HCl, HF, and sulfuryl fluoride) and SO2 emissions from S-454 for the previous 12 month period.
g. Monthly and daily records of hydrochloric acid emissions from S-449 for the previous 12 month period.

These records shall be kept on site for a minimum of five years from the date of entry and shall be made available to District personnel upon request.
(Basis: Cumulative Increase, TRMP, BAAQMD Regulation 2-6-501, BAAQMD Regulation 6-310, and BAAQMD Regulation 9-1-302)

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Condition # 18317
Conditions for S-706: Diesel Engine for FPI Standby Generator

*1. The S-706 Diesel Engine shall be fired exclusively on diesel fuel having a sulfur content no greater than 0.05% by weight. The sulfur content of the fuel oil shall be certified by the fuel oil vendor.
(Basis: Cumulative Increase)

*2. The S-706 Diesel Engine shall only be operated to mitigate emergency conditions or for reliability-related activities.
a. Operation time for reliability-related activities only shall not exceed 100 hours in any calendar year.
b. Total operation time for reliability-related activities and for mitigating emergency conditions shall not exceed 200 hours in any calendar year.
(Basis: BAAQMD Regulation 9-8-330, Offsets)

*3. "Emergency Conditions" is defined as any of the following:
a. Loss of regular natural gas supply.
b. Failure of regular electric power supply.
c. Flood mitigation.
d. Sewage overflow mitigation.
e. Fire.
f. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor.
(Basis: BAAQMD Regulation 9-8-231)

*4. "Reliability-related activities" is defined as any of the following:
a. Operation of an emergency standby engine to test its ability to perform for an emergency use, or
b. Operation of an emergency standby engine during maintenance of a primary motor.
(Basis: BAAQMD Regulation 9-8-232)

*5. The emergency standby engine shall be equipped with either
a. a non-resettable totalizing meter that measures and records the hours of operation for the engine.
b. a non-resettable fuel usage meter (245 gallons of fuel are equivalent to 10 hours of reliability- related operation).
(Basis: BAAQMD Regulation 9-8-530, Offsets)

*6. The following monthly records shall be maintained in a District-approved log for at least 5 years and shall be made available for District inspection upon request
a. Total hours of operation.

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b. Hours of operation under emergency conditions and a description of the nature of each emergency condition.
c. Fuel usage.
(Basis: BAAQMD Regulation 1-441, BAAQMD Regulation 2-6-501, and BAAQMD Regulation 9-8-530)

*7. The S-706 Diesel Engine is equipped with the A-200 Soot Filter. However, operation of the A-200 Soot Filter is not required. The S-706 Diesel Engine may be operated either with or without A-200 at the discretion of the Permit Holder.
(Basis: BAAQMD Regulation 2-1-302)

Condition # 19724
For S-707, Diesel Engine Backup Generator, P1A:
For S-708, Diesel Engine Backup Generator, P1B:
For S-709, IC Engine Backup Generator, 471A:
For S-710, Diesel Engine Backup Generator, 480A:
For S-711, Diesel Engine Backup Generator, 223:

*1. Hours of Operation: The emergency standby engines (S-707, S-708, S-709, S-710, and S-711) shall only be operated to mitigate emergency conditions or for reliability-related activities. Operation while mitigating emergency conditions is unlimited. Operation for reliability-related activities is limited to 100 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)

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*4. The emergency standby engines (S-707, S-708, S-709, S-710, and S-711) shall be equipped with either:
   a. a non-resettable totalizing meter that measures and records the hours of operation for the engine, or
   b. a non-resettable fuel usage meter.
   (Basis: BAAQMD Regulation 9-8-530)

*5. Records: The Permit Holder shall maintain the following records in an APCO-approved log:
   a. Monthly records of the total hours of operation for each engine (S-707, S-708, S-709, S-710, and S-711).
   b. Monthly records of any hours of operation for emergency conditions.
   c. For each emergency, describe the nature of the emergency condition.
   d. Records of the vendor certified sulfur content for all fuels burned in S-707, S-708, S-710, and S-711.
   All records shall be kept on site for at least five years from the date of entry and shall be made available for District inspection upon request. These record keeping requirements do not replace the record keeping requirements contained in any applicable rules or regulations.
   (Basis: BAAQMD Regulation 1-441, BAAQMD Regulation 2-6-501, BAAQMD Regulation 9-1-304, and BAAQMD Regulation 9-8-530)

FUTURE Condition #20301
Application 6290
For: S-308, Cylinder Painting Operation and
A-203, Carbon Adsorber

1. The total amount of all coatings used at the S-308, Cylinder Painting Operation, shall not exceed 14,400 gallons during any consecutive 12 month period.
   (Basis: Cumulative Increase)

2. The VOC content of any coating used at S-308 shall not exceed 0.8 pounds of VOC per gallon of coating (including water).
   (Basis: Cumulative Increase)

3. Emissions from the S-308, Cylinder Painting Operation, shall be vented to the A-203, Carbon Adsorber, during all hours of operation.
   (Basis: Cumulative Increase)

4. The A-203, Carbon Adsorber, shall contain a minimum of 8,000 pounds of activated carbon.
   (Basis: Cumulative Increase)

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5. The carbon in A-203 shall be replaced with fresh carbon before the total coating usage since the last carbon replacement exceeds 1,450 gallons, except as provided in Part 6.
   (Basis: Cumulative Increase)

6. The coating usage limit in Part 5 above shall not apply, provided that the concentration of non-methane organic compounds in the exhaust from the A-203, Carbon Adsorber, does not exceed 7 ppmv of NMOC, expressed as propane. The Permit Holder shall demonstrate compliance with this requirement by monitoring the exhaust from A-203 on a daily basis (beginning on the day that coating usage since the last carbon replacement reaches 1,450 gallons) using a portable organic vapor analyzer or other APCO approved method.
   (Basis: Cumulative Increase)

7. The Permit Holder shall demonstrate compliance with Parts 1-6 by maintaining the following records in an APCO approved log:
   a. Record the VOC Content for each coating used at S-308;
   b. Record the amount of each coating used at S-308, on a daily basis;
   c. Record the total amount of all coatings used at S-308, for each calendar month;
   d. Record the total amount of all coatings used at S-308, since the date that the carbon was last replaced;
   e. Record the total amount of all coatings used at S-308, for the preceding 12 month period;
   f. Record the dates of all carbon replacements and the amount of fresh carbon added to A-203 for each carbon replacement;
   g. Record the outlet NMOC concentration at A-203, on a daily basis, for any days where the coating usage since the last carbon replacement is greater than or equal to 1,450 gallons.

   All records shall be maintained on site or made available to District staff upon request for a minimum of five years from the entry date. These recordkeeping requirements do not replace the recordkeeping requirements in any applicable rule or regulation.
   (Basis: Cumulative Increase, BAAQMD Regulation 2-6-501)

FUTURE Condition #20302
Application 6290
For: S-311, Cylinder Filling Operation,
S-312, Cylinder Depressurization Operation, and
A-201, Venturi Scrubber
A-204, Sulfuryl Fluoride Recovery System

*1. The cylinder fill hose at the S-311, Cylinder Filling Operation, shall be vented to either the A-204, Sulfuryl Fluoride Recovery System, or to the A-201, Venturi Scrubber, until the pressure in the fill hose is 23 psia or less.

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(Basis: Toxics Risk Management Policy)

*2. The cylinder depressurization line at the S-312, Cylinder Depressurization Operation, shall be vented to either the A-204, Sulfuryl Fluoride Recovery System, or to the A-201, Venturi Scrubber, until the pressure in the depressurization line is 23 psia or less.
(Basis: Toxics Risk Management Policy)

*3. The Permit Holder shall establish written operating procedures or shall use automated control valves on the cylinder fill hose and cylinder depressurization line that will ensure that these operations cannot be vented to the atmosphere until the pressure in the lines is 23 psia or less.
(Basis: Toxics Risk Management Policy)

*4. During any time that sulfuryl fluoride emissions are vented to the A-204, Sulfuryl Fluoride Recovery System, the coolant pressure at H-180 shall be maintained at 101 psia or less.
(Basis: Toxics Risk Management Policy)

*5. To ensure compliance with Part 4, the Permit Holder shall use automated control valves that will divert emissions from A-204 to A-201 upon detection of a coolant pressure at H-180 in excess of 101 psia.
(Basis: Toxics Risk Management Policy)

FUTURE Condition #20303
Application 6290, 8894
For: S-712, Sulfuryl Fluoride Plant
A-201, Venturi Scrubber
A-202, Caustic Scrubber

1. ~~*Deleted due to confidential information claim.*~~Abated emissions from S-712 (P-277) shall not exceed 440.8 pounds of sulfuryl fluoride, 15.5 pounds of hydrofluoric acid and hydrochloric acid, and 3.6 pounds of sulfur dioxide in any consecutive 12-month period.
(Basis: Cumulative Increase and Toxics Risk Management Policy)

2. Hydrogen chloride emissions from B-40 shall be abated by the acid absorbers at the S-434 Manufacturing Services Facility.
(Basis: Cumulative Increase and Toxics Risk Management Policy)

3. All other emissions from S-712, including emissions due to purge streams, pressure relief valves, loading events, start-ups, shut-downs, or malfunctions, shall be abated by the A-201, Venturi Scrubber, followed by the A-202, Caustic Scrubber.
(Basis: Cumulative Increase and Toxics Risk Management Policy)

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4. The A-201, Venturi Scrubber, and the A-202, Caustic Scrubber, shall achieve a minimum overall control efficiency (combined control efficiency for A-201 and A-202) of 98.5% for sulfuryl fluoride and 99.98% for all other pollutants. The Permit Holder shall demonstrate compliance with these control efficiency requirements by maintaining the following:
   a. The flow rate of the scrubber water to A-201 shall be maintained at a minimum of 145 gallons/minute.
   b. The flow rate of the scrubber solution to A-202 shall be maintained at a minimum of 50 gallons/minute.
   c. The pH of the scrubber solution at A-202 shall be maintained at a minimum of 8.
   (Basis: Cumulative Increase and Toxics Risk Management Policy)

5. In order to demonstrate compliance with Parts 4.a. and 4.b., the Permit Holder shall continuously monitor the scrubber water flow rate at A-201 and the scrubber solution flow rate at A-202, during all times that S-712 is operating. The Permit Holder shall use automated control valves to ensure that the required minimum flow rates are achieved.
   (Basis: Cumulative Increase, Toxics Risk Management Policy)

6. In order to demonstrate compliance with Part 4.c., the Permit Holder shall sample the scrubber solution at A-202 on a daily basis. The Permit Holder shall analyze the sample for pH, in accordance with the manufacturer's recommended procedures for the analyzer, and shall record the pH in an APCO approved log. All records shall be maintained on site or made available to District staff upon request for a minimum of five years from the entry date.
   (Basis: Cumulative Increase, Toxics Risk Management Policy, BAAQMD Regulation 2-6-501)

7. In order to demonstrate compliance with Part 1., the Permit Holder shall maintain monthly records of the sulfuryl fluoride production rate from S-712 in an APCO approved log and shall calculate emissions of sulfuryl fluoride, hydrochloric acid, hydrofluoric acid, and sulfur dioxide each month for the previous 12 month period. All records shall be maintained on site or made available to District staff upon request for a minimum of five years from the entry date.
   (Basis: Cumulative Increase and Toxics Risk Management Policy, BAAQMD Regulation 2-6-501)

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

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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 6-310/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 6-310/BAAQMD Regulation 2-1-403)

Condition #21059
Application 16468
S-28, T-605B Material Flow
S-36, N-Serve Plant Storage
S-45, T-1 N-Serve
S-56, T-31 N-Serve
S-57, T-32 N-Serve
S-61, T-780 N-Serve
S-62, T-781 N-Serve
S-63, T-782 N-Serve
S-209, T-1 Latex Plant
S-222, Latex Plant – Hydroxyethyl Acrylate Storage, T-112
S-345, T-1 Vikane Plant – Storage Tank
S-346, T-241
S-372, T-20 Block 560 Storage Tank
S-382, N-Serve Unit Storage T-783
S-383, Petroleum Hydrocarbon Distillate Tank
S-407, T-728 N-Serve Formulation Tank
S-447, T-774
S-466, Plant 663 T-408A Intermediate Product Storage
S-467, Plant 663 T-408B Intermediate Product Storage
S-498, Sym Tet T-102 Storage Tank
S-625, T-610 Perc Expansion Tank

1. The following tanks may not store any liquid containing organic compounds with a vapor pressure greater than 0.5 psia: S-28, S-36, S-45, S-56, S-57, S-61, S-62, S-63,

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S-209, S-222, S-345, S-346, S-372, S-382, S-383, S-407, S-447, S-466, S-467, S-498, S-625
(Basis: BAAQMD Regulation 2-1-301)

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

Condition #21060
Application 16468
Facility-wide Condition applying to process vessels subject to Regulation 8, Rule 10

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

   These records shall be kept on site for a minimum of five years from the date of entry and shall be made available to District personnel upon request.
(Basis: BAAQMD Regulation 2-6-501, BAAQMD Regulation 8-10-301)

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

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

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

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~~**Condition #21063**~~
~~Application 16468~~
~~For Facility~~

~~1.The owner/operator shall submit a case-by-case MACT determination for the Organic Liquids MACT by February 1, 2004. (40 CFR 63.53(b))~~

~~2.The owner/operator shall submit progress reports on the last day of every month to the Director of Enforcement until the above action is completed. The progress reports shall contain the date by which the item in the custom schedule of compliance was achieved or an explanation of why the item was not achieved by the above date and any corrective measures adopted.~~
~~(40 CFR 63.53(b))~~

~~3.The custom schedule of compliance and the period of non-compliance with this requirement is automatically terminated on the date of promulgation of the Organic Liquids MACT. (40 CFR 63.53(b))~~

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), quarterly (Q), monthly (M), weekly (W), daily (D), hourly (H), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
Facility

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-328			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
POC	BAAQMD 8-10-301			Vessel depressurization recovered/combusted or contained/treated until organic partial pressure < 4.6 psig	Condition 21060	P-E	Records

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 6-301	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 6-310	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
FP	BAAQMD 6-311	Y		$4.10\ P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	For A-199, Condition 17985, 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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-5, 720 Terminalized Products
Styrene Loading abated by A-150, Vapor Balance System
All other Non-Exempt Material Loading Abated by S-336 or S-389, Thermal Oxidizers
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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII - E
Applicable Limits and Compliance Monitoring Requirements
S-7, 725 Block Truck Loading
S-482, Carbon Tetrachloride Rail Car Loading
Each Abated by S-336 or S-389, Thermal Oxidizers

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-306	Y		Control device standards, includes 95% efficiency requirement	None	N	N/A
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balancing in which the resulting organic liquid has a TVP less than 0.5 psia	BAAQMD 8-5-501	P/E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 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 8-5-328.1.1	Y		Tank cleaning control by liquid balancing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after cleaning	BAAQMD 8-5-503	P/E	Portable hydrocarbon detector
VOC	NSPS Subpart Kb 60.112b (a)(3)(i)	Y		When operated with emission control system - Closed vent system leak tightness standards, VOC concentrations shall not exceed 500 ppmv above background.	BAAQMD 8-18-401	P/Q	Inspection using Method 21
VOC	NSPS Subpart Kb 60.112b (a)(3)(ii)	Y		When not operated as a pressure tank - Control device standards; includes 95% efficiency requirement	BAAQMD Conditions 2039, part 13, and 6859, part 6	C	Temperature monitoring

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – H
Applicable Limits and Compliance Monitoring Requirements
S-28, T-605B Material Flow
S-36, N-Serve Plant Storage
S-45, T-1 N-Serve
S-56, T-31 N-Serve
S-57, T-32 N-Serve
S-61, T-780 N-Serve
S-62, T-781 N-Serve
S-63, T-782 N-Serve
S-222, Latex Plant – Hydroxyethyl Acrylate Storage, T-3
S-345, T-1 Vikane Plant – Storage Tank
S-346, T-241
S-372, T-20 Block 560 Storage Tank, Abated by S-400, Experimental Thermal Oxidizer R-901
S-382, N-Serve Unit Storage T-783
S-383, Petroleum Hydrocarbon Distillate Tank
S-407, T-728 N-Serve Formulation Tank
S-447, T-774
S-466, Plant 663 T-408A Intermediate Product Storage
S-467, Plant 663 T-408B Intermediate Product Storage
S-498, Sym Tet T-102 Storage Tank

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement	BAAQMD Conditions 2039, part 13, and 6859, part 6	C	Temperature Monitoring
VOC	BAAQMD 8-5-328.1.1	Y		Tank cleaning control by liquid balancing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after cleaning	BAAQMD 8-5-503	P/E	Portable hydrocarbon detector
VOC	BAAQMD Condition# 11276, part 2	Y		No detectible organic emissions	BAAQMD 8-18-401	P/Q	Inspection using Method 21

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/ N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for < 3 min/hr	For S-389: Condition 2039, Part 13 For A-88/ A-89: None For S-434 or A-87/A-85/A-199: Condition 17985, Parts 7	S-389: C A-88/89: N A-199: P-D	Temperature monitor N/A Caustic concentration
FP	BAAQMD 6-310	Y		0.15 grain/dscf	Same as Above	Same as Above	Same as Above
FP	BAAQMD 6-311	Y		$4.10\ P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	Same as Above	Same as Above	Same as Above
POC	BAAQMD 8-2-301	Y		Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry	For S-389: Condition 2039, Part 13 For A-88/ A-89: None	S-389: C A-88/89: N	Temperature monitor N/A
POC	BAAQMD 8-10-301	Y		Vessel depressurization recovered/combusted or contained/treated until organic partial pressure < 4.6 psig	Condition 21060, Part 1	P-E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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	Y		< 100 ppm (expressed as methane) above background	BAAQMD 8-18-401	P/Q	Method 21 Inspection

Table VII - M
Applicable Limits and Compliance Monitoring Requirements
S-135, HCl Storage Tank T-606A
S-136, HCl Storage Tank T606B
S-137, HCl Storage Tank T606C
S-138, HCl Storage Tank T606D
S-139, HCl Storage Tank T-606E
S-140, HCl Storage Tank T-606F
Abated by A-18, Hydrochloric Acid Storage Tanks Scrubber

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Regulation 8-7-301.10	Y		98% or highest CARB vapor recovery rate	None	N	N/A
VOC	BAAQMD Regulation 8-7-302.4	Y		Repair/replace defective component within 7 days, if it does not impair Phase II	None	N	N/A
VOC	BAAQMD Regulation 8-7-302.5	Y		Phase II system shall be maintained leak free, vapor tight	None	N	N/A
VOC	BAAQMD Regulation 8-7-302.8	Y		Liquid removal devices required by CARB: liquid removal rate ≥ 5 mL/gallon dispensed for dispensing rates > 5 gallons/minute or as otherwise specified	None	N	N/A
VOC	BAAQMD Regulation 8-7-302.12	Y		Spitting from nozzles ≤ 100 mL/1000 gallons dispensed or the quantity specified by CARB Procedure CP-201, whichever is less	None	N	N/A
VOC	BAAQMD Regulation 8-7-302.13	Y		Spitting from nozzles ≤ 1.0 mL/nozzle/test or the quantity specified by CARB Procedure CP-201, whichever is less	None	N	N/A
VOC	BAAQMD Regulation 8-7-302.14	Y	6/1/2003	Balance Phase II Vapor Recovery: dynamic backpressure meets CARB Executive Order, or if not specified ≤ 0.15, 0.45, 0.95 inches water when measured at N2 flows of 20, 60, 100 cfh	BAAQMD 8-7-302.14	P-A	Backpressure test
VOC	Condition 14098, Part 1	N		940,000 gallons/12 months	BAAQMD 8-7-503.1	P-M	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – P
Applicable Limits and Compliance Monitoring Requirements
S-198, Latex Plant Process Recycle Tank, T-366
S-199, Latex Plant Process Tank, T-367
S-226, Latex Plant Process Tank, T-364
S-421, Latex Plant Process Recycle Tank, T-368
S-491, T-363
Each Abated by A-42, B-368 Latex Plant Styrene Scrubber, followed by S-336 or S-389, Thermal Oxidizers

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-36-301.1	Y		95% control or compliance with 8-36-301.2	BAAQMD Condition 2039, Part 13 and Condition 6859 Part 6	C	Temperature Monitoring
VOC	BAAQMD 8-36-301.2	Y		< 10 lb/day POC from all resin reactors, thinning tanks and blending tanks at the facility or compliance with 8-36-301.1	BAAQMD Condition # 16610 Part 6	P/D	Styrene Concentration
VOC	BAAQMD Condition # 16610 Part 4	Y		Total organic emissions from A-42 ≤ 346 lb/day	BAAQMD Condition # 16610 Part 8	P/E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – Q
Applicable Limits and Compliance Monitoring Requirements
[Pressure Tank < 75m^3]
S-207, T-5 Latex Plant
S-208, T-6 Latex Plant

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-307	Y		< 100 ppm (expressed as methane) above background	BAAQMD 8-18-401	P/Q	Method 21 Inspection
VOC	BAAQMD 8-5-328.1.1	Y		Tank cleaning control by liquid balancing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after cleaning	BAAQMD 8-5-503	P/E	Portable hydrocarbon detector

Table VII – R
Applicable Limits and Compliance Monitoring Requirements
[Pressure Tank storing liquids with vp < 0.5 psia]
S-209, T-1 Latex Plant
S-625, T-610 Perc Expansion Tank, Abated by A-121, IPT Thermal Abatement Device or S-400, Experimental Thermal Oxidizer R-901

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-307	Y		< 100 ppm (expressed as methane) above background	BAAQMD 8-18-401	P/Q	Method 21 Inspection
VOC	BAAQMD Condition # 21059, Part 1	Y		Vapor pressure ≤ 0.5 psia	BAAQMD Condition # 21059, Part 2	P/E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII - S
Applicable Limits and Compliance Monitoring Requirements
S-229, Latex Plant Tank Car Unloading (Butadiene) RM-1
Abated by Vapor Balance System

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-6-302.1	Y		Loading into delivery vehicle: Vapor balance or vapor loss control system with emissions < 0.35 pounds/1000 gallons loaded	Condition# 21061, Parts 1 & 2	P-E	Method 21 Inspection
VOC	BAAQMD 8-6-302.2	Y		Loading into delivery vehicle or transportable container: Submerged fill pipe, bottom filling, or vapor loss control system with emissions < 0.35 pounds/1000 gallons loaded	Condition# 21061, Parts 1 & 2	P-E	Method 21 Inspection
VOC	BAAQMD 8-6-304	Y		Loading into storage tank (2,008 to 39,630 gallons): Vapor balance or vapor loss control system with emissions < 0.17 pounds/1000 gallons loaded	Condition# 21061, Parts 1 & 2	P-E	Method 21 Inspection
VOC	BAAQMD 8-6-306	Y		Vapor tight, leak free, good working order	Condition# 21061, Parts 1 & 2	P-E	Method 21 Inspection

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for < 3 min/hr	Condition #20826, Parts 1, 2	P-E	Visual Check
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None	N	N/A
FP	BAAQMD 6-311	Y		$4.10\ P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	None	N	N/A

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII - U
Applicable Limits and Compliance Monitoring Requirements
S-308, Fumigants Cylinder Paint Booth C-11
(FUTURE Abatement System: Abated by A-203, Carbon Adsorber)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-19-302	Y		VOC content ≤ 2.8 pounds/gallon, excluding water	BAAQMD 8-19-501.1, 8-19-501.2	P-W	Records
VOC	BAAQMD 8-19-320.2	N		Cleanup solvent VOC content < 0.42 pounds/gallon or collect and recycle or properly dispose of offsite or use a spray gun washer compliant with BAAQMD 8-16	BAAQMD 8-19-501.1	P-M	Records
VOC	SIP 8-19-320	Y		Closed containers for VOC containing materials; VOC for spray equipment cleanup only if collection equipment is used.	SIP 8-19-501.1	P-M	Records
VOC	Condition 20301, Part 1	Y	Upon startup	Coating 14,400 gallons/12 months	Condition 20301, Part 7	P-D	Records
VOC	Condition 20301, Part 2	Y	Upon startup	Coating content 0.8 lbs/gallon	Condition 20301, Part 7	P-E	Records
VOC	Condition 20301, Part 4	Y	Upon startup	Minimum 8000 lbs carbon in A-203	Condition 20301, Part 7	P-E	Records
VOC	Condition 20301, Part 5	Y	Upon startup	Carbon replacement at 1450 gallons coating used or when NMOC exhaust concentration > 7 ppmv, as propane	Condition 20301, Parts 6, 7	P-D	Records; measurement of NMOC exhaust concentration

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-19-302	Y		VOC content ≤ 2.8 pounds/gallon, excluding water	BAAQMD 8-19-501.1, 8-19-501.2	P-W	Records
VOC	BAAQMD 8-19-320.2	N		Cleanup solvent VOC content < 0.42 pounds/gallon or collect and recycle or properly dispose of offsite or use a spray gun washer compliant with BAAQMD 8-16	BAAQMD 8-19-501.1	P-M	Records
VOC	SIP 8-19-320	Y		Closed containers for VOC containing materials; VOC for spray equipment cleanup only if collection equipment is used.	SIP 8-19-501.1	P-M	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-1-110.3	Y		VOC abated ≥ 85% by weight and ≥ 90% of organic carbon oxidized to CO2	Condition 6859, Part 6; Condition 2039, Part 13	C	Temperature monitor

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII - Y
Applicable Limits and Compliance Monitoring Requirements
S-336, Manufacturing Services Thermal Oxidizer
Abated by A-86, B14A & B Karbate Acid Absorber > A-21, B-15 Manufacturing Services Scrubber > A-54, B-15 Demister > A-72, B-16 Caustic Scrubber in series

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None	N	N/A
FP	BAAQMD 6-311	Y		4.10 $P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	None	N	N/A
POC	BAAQMD 8-2-301	Y		Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry	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
Liquid waste	Condition 6859, Part 1	Y		Feed rate ≤ 650 lbs/hour	Condition 6859, Part 5	P-H	Records
NOx	Condition 6859, Part 3	Y		NOx ≤ 8.6 lbs/day as NO2	Condition 6859, Part 8	P- once per permit term	Source Test
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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII - Z
Applicable Limits and Compliance Monitoring Requirements
S-389, Sym-Tet Thermal Oxidizer
Abated by A-74, B-502 Caustic Scrubber and A-94, B-501 Acid Absorber at all times
Abated by A-75, X-505 Particulate Scrubber when burning chlorinated liquids
Abated by A-77, R-502 Nonselective Catalytic Reduction Unit, and A-76, B-503A Carbon Adsorber and A-80, B-503B Carbon Adsorber 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 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None	N	N/A
FP	BAAQMD 6-311	Y		$4.10\ P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	None	N	N/A
POC	BAAQMD 8-2-301	Y		Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry	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
CO	Condition 2039, Part 4	Y		250 ppm at 3% O2	Condition 2039, Part 10	P – semiannual	Source test
VOC	Condition 2039, Part 5	Y		Organic destruction efficiency ≥ 99.99% by weight	Condition 2039, Part 13	C	Temperature monitor

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII - Z
Applicable Limits and Compliance Monitoring Requirements
S-389, Sym-Tet Thermal Oxidizer
Abated by A-74, B-502 Caustic Scrubber and A-94, B-501 Acid Absorber at all times
Abated by A-75, X-505 Particulate Scrubber when burning chlorinated liquids
Abated by A-77, R-502 Nonselective Catalytic Reduction Unit, and A-76, B-503A Carbon Adsorber and A-80, B-503B Carbon Adsorber when A-77 is operating

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Liquid waste	Condition 2039, Parts 7 & 8	Y		Annual average liquid feed ≤ 45.1 gallons/hour *Maximum daily liquid feed ~~limit deleted due to confidential information claim~~ < 70 gallons/hour*	Condition 2039, Part 13	C	Liquid mass flowmeter/ calculations
NOx	Condition 2039, Part 10	Y		NOx ≤ 6194 lbs/year	Condition 2039, Part 9	P – semiannual	source test & calculations

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None	N	N/A
POC	BAAQMD 8-2-301	Y		Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry	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
VOC	Condition 2213, Part 8	Y		Organic destruction efficiency ≥ 64% by weight	Condition 2213, Part 9	C	Temperature Monitor
Temp	Condition 2213, Part 9	Y		Temperature ≥ 1472 degrees F	Condition 2213, Part 9	C	Temperature Monitor

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-1-110.3	Y		VOC abated ≥ 85% by weight; if achieved through incineration, ≥ 90% of organic carbon must be oxidized to 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 degF	Condition 5148, Part 3	C	Temperature monitor

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-307	Y		< 100 ppm (expressed as methane) above background	BAAQMD 8-18-401	P/Q	Method 21 Inspection
VOC	BAAQMD 8-5-328.1.1	Y		Tank cleaning control by liquid balancing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after cleaning	BAAQMD 8-5-503	P/E	Portable hydrocarbon detector

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement	BAAQMD Condition 6859, part 6	C	Temperature monitoring
VOC	BAAQMD 8-5-307	Y		< 100 ppm (expressed as methane) above background	BAAQMD 8-18-401	P/Q	Method 21 Inspection
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balancing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after cleaning	BAAQMD 8-5-503	P/E	Portable hydrocarbon detector

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 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 6-310	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 6-311	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 - AF
Applicable Limits and Compliance Monitoring Requirements
S-434, Manufacturing Services Facility
Abated by A-87, HCl Absorber/Heat Exchanger H-109 and A-85, Absorber – Packed Bed in series, Followed by A-199, Manufacturing Services Scrubber B-12, or Abated by S-336, Manufacturing Services Thermal Oxidizer, or Abated by A-199, Manufacturing Services Scrubber B-12

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	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	Condition 21060	P-E	Records
Caustic concentration	Condition 17985, Part 6	Y		A-199 Caustic concentration ≥ 1% wt.	Condition 17985, Part 7	A-199: P-D	Caustic concentration
HCl	Condition 17985, Part 9	Y	Upon S/U of S-712	36% HCl production ≤ 108,300 tons/12 months	Condition 17985, Part 9	P-M	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf, corrected to dry standard conditions 6% O2	None	N	N/A
SO2	BAAQMD 9-1-301	Y		ground level concentrations 0.5 ppm for 3 min; 0.25 ppm for 60 min; 0.05 ppm for 24 hrs	None	N	N/A
SO2	BAAQMD 9-1-302	Y		SO2 ≤ 300 ppm, dry	None	N	N/A
NOx	BAAQMD 9-7-301.1	Y		30 ppmvd at 3% O2	Condition 11054, Part 5	P – once per permit term	Source Test
CO	BAAQMD 9-7-301.2	Y		400 ppmvd at 3% O2	None	N	N/A
CO	Condition 11054, Part 3	Y		50 ppmvd at 3% O2	None	N	N/A

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII - AH
Applicable Limits and Compliance Monitoring Requirements
S-446, Sym-Tet Plant
Abated by S-389 when S-389 is operating, or
Abated by A-88, B-106 Sym-Tet Scrubber or
Abated by A-89, X-3 Emergency Venturi at N-Serve/Sym-Tet
Reactor and Stripping Systems 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 6-301	Y		Ringelmann No. 1 for < 3 min/hr	For S-389: Condition 2039, Part 13 For A-88/ A-89: None For S-434 or A-87/A-85/A-199: Condition 17985, Parts 7	S-389: C A-88/89: N A-199: P-D	Temperature monitor N/A Caustic concentration
FP	BAAQMD 6-310	Y		0.15 grain/dscf	Same as Above	Same as Above	Same as Above
FP	BAAQMD 6-311	Y		$4.10\ P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	Same as Above	Same as Above	Same as Above
POC	BAAQMD 8-2-301	Y		Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry	For S-389: Condition 2039, Part 13 For A-88/ A-89: None	S-389: C A-88/89: N	Temperature monitor N/A
POC	BAAQMD 8-10-301	Y		Vessel depressurization recovered/combusted or contained/treated until organic partial pressure < 4.6 psig	Condition 21060	P-E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII - AH
Applicable Limits and Compliance Monitoring Requirements
S-446, Sym-Tet Plant
Abated by S-389 when S-389 is operating, or
Abated by A-88, B-106 Sym-Tet Scrubber or
Abated by A-89, X-3 Emergency Venturi at N-Serve/Sym-Tet
Reactor and Stripping Systems 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
Caustic concentration	Condition 17985, Part 6	Y		A-199 Caustic concentration ≥ 1% wt.	Condition 17985, Part 7	A-199: P-D	Caustic concentration

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None	N	N/A
FP	BAAQMD 6-311	Y		4.10 $P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	None	N	N/A
HCl	Condition 18128, Part 3			~~Deleted due to confidential information claim~~Abated HCl emissions < 68 lbs/12 months	Condition 18128, Part ~~13~~12	P-M	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
HCl	Condition 18128, Part 4			Abated HCl emissions < 0.3 lbs/day	Condition 18128, Part 12	P-D	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII - AJ
Applicable Limits and Compliance Monitoring Requirements
S-454, Vikane Plant
Abated by S-434, Manufacturing Services Facility followed by A-199, Manufacturing Services Scrubber B-12 or
Abated by A-87, HCl Absorber/Heat Exchanger H-109 and A-85, Absorber – Packed Bed, in series followed by A-199, Manufacturing Services Scrubber B-12, or
Process Flow Abated by A-90, H-30 Acid Absorber and A-91, B-30 Absorber, in series, and
Intermittent Process Vents Abated by A-46, B-7 Caustic Scrubber or
A-197, B-4 Caustic Scrubber

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for < 3 min/hr	For A-90, A-91: Condition 18128, Part 9 For A-46, A-197: Condition 18128, Part 11 For S-434/A-199, A-87/A-85/A-199: Condition 17985, Part 7	P-D P-D P-D	Temperature monitor Caustic concentration Caustic concentration
FP	BAAQMD 6-310	Y		0.15 grain/dscf	Same as above	Same as above	Same as above
FP	BAAQMD 6-311	Y		$4.10\ P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	Same as above	Same as above	Same as above
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 - AJ
Applicable Limits and Compliance Monitoring Requirements
S-454, Vikane Plant
Abated by S-434, Manufacturing Services Facility followed by A-199, Manufacturing Services Scrubber B-12 or
Abated by A-87, HCl Absorber/Heat Exchanger H-109 and A-85, Absorber – Packed Bed, in series followed by A-199, Manufacturing Services Scrubber B-12, or
Process Flow Abated by A-90, H-30 Acid Absorber and A-91, B-30 Absorber, in series, and
Intermittent Process Vents Abated by A-46, B-7 Caustic Scrubber or A-197, B-4 Caustic Scrubber

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
~~Vikane~~PM	Condition 18128, Part~~s~~ 1 ~~& 2~~	Y		~~Deleted due to confidential information claim~~Abated PM emissions < 718.8 lbs/12 months and SO2 emissions < 10.4 lbs/12 months	Condition 18128, Part ~~13~~12	P-D	Records
PM	Condition 18128, Part 2	Y		Abated PM emissions < 2.5 lbs/day and SO2 emissions < 0.04 lbs/day	Condition 18128, Part 12	P-D	Records
HCl	Condition 18128, Part 8	Y		99.99%, wt, removal or ≤ 0.068 lb/hour	Condition 18128, Part 9	P-D	Temperature monitor
HCl	Condition 18128, Part 9	Y		Average daily temperature ≤ 80 degreesC	Condition 18128, Part 9	P-D	Temperature monitor
HCl	Condition 18128, Part 10	Y		99% wt control or ≤ 0.0023 lbs/hr HCl	Condition 18128, Part 11	P-D	Caustic concentration
HF	Condition 18128, Part 10	Y		97% wt control or ≤ 0.59 lbs/hr HF.	Condition 18128, Part 11	P-D	Caustic concentration

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII - AJ
Applicable Limits and Compliance Monitoring Requirements
S-454, Vikane Plant
Abated by S-434, Manufacturing Services Facility followed by A-199, Manufacturing Services Scrubber B-12 or
Abated by A-87, HCl Absorber/Heat Exchanger H-109 and A-85, Absorber – Packed Bed, in series followed by A-199, Manufacturing Services Scrubber B-12, or
Process Flow Abated by A-90, H-30 Acid Absorber and A-91, B-30 Absorber, in series, and
Intermittent Process Vents Abated by A-46, B-7 Caustic Scrubber or A-197, B-4 Caustic Scrubber

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Other acid gas	Condition 18128, Part 10	Y		99% wt control or ≤ 0.025 lbs/hr other acid gas.	Condition 18128, Part 11	P-D	Caustic concentration
SO2	Condition 18128, Part 10	Y		99% wt control or ≤ 0.61 lbs/hr SO2	Condition 18128, Part 11	P-D	Caustic concentration
Caustic concentration	Condition 18128, Part 11	Y		OH concentration > 2% wt	Condition 18128, Part 11	P-D	Caustic concentration

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – AK
Applicable Limits and Compliance Monitoring Requirements
[Pressure Tank < 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	Y		< 100 ppm (expressed as methane) above background	BAAQMD 8-18-401	P/Q	Method 21 Inspection

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf, corrected to dry standard conditions 6% O2	None	N	N/A
FP	BAAQMD 6-311	Y		4.10 $P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	None	N	N/A
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
NOx	BAAQMD 9-7-301.1	Y		30 ppmvd at 3% O2	Condition 503, Part 7	P – once per permit term	Source Test
CO	BAAQMD 9-7-301.2	Y		400 ppmvd at 3% O2	None	N	N/A

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

Table VII - AN
Applicable Limits and Compliance Monitoring Requirements
S-464, 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 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None	N	N/A
FP	BAAQMD 6-311	Y		$4.10\ P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	None	N	N/A

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII - AO
Applicable Limits and Compliance Monitoring Requirements
S-474, Plant 421 - Verdict Reactor R-210,
Abated by A-97, B-201 Organic Scrubber, A-98, B-202 Reactor Vent Scrubber, A-99, B-203 Scrubber, A-100, B-230 Scrubber, A-101, H-205 Falling Film Absorber, and A-102, B-206 Scrubber
S-476, Plant 421 Trifluoro,
Abated by A-97, B-201 Organic Scrubber, and A-100, B-230 Scrubber

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-AP
Applicable Limits and Compliance Monitoring Requirements
S-489, Latex Still B-100
Abated by A-42, B-368 Latex Plant Styrene Scrubber,
Followed by S-336 or S-389, Thermal Oxidizers
(90% of Latex Plant Operating Time)
S-490, B-310 Partial Condenser
Abated by A-42, B-368 Latex Plant Styrene Scrubber during stripping of decant water
Followed by S-336 or S-389, Thermal Oxidizers

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-36-301	Y		POC emissions from all resin reactors, blending and thinning tanks combined ≤ 10 lbs/day or emissions abated by ≥ 95%	For S-336/ S-389: Condition 6859, Part 6; Condition 2039, Part 13 When not venting to oxidizer: Condition 16610, Part 8	C P–D	Temperature monitor Styrene concentration; records of batches produced
VOC	Condition 16610, Part 4	Y		Styrene emissions from A-42 ≤ 346 lbs/day	Condition 16610, Part 8	P–D	Styrene concentration; records of batches produced
VOC	Condition 16610, Part 5	Y		Scrubber emissions vented to thermal oxidizer 90% of operating time	Condition 16610, Part 8	P-D/E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-AP
Applicable Limits and Compliance Monitoring Requirements
S-489, Latex Still B-100
Abated by A-42, B-368 Latex Plant Styrene Scrubber,
Followed by S-336 or S-389, Thermal Oxidizers
(90% of Latex Plant Operating Time)
S-490, B-310 Partial Condenser
Abated by A-42, B-368 Latex Plant Styrene Scrubber during stripping of decant water
Followed by S-336 or S-389, Thermal Oxidizers

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Styrene concentration	Condition 16610, Part 6	Y		When not vented to oxidizer: Styrene concentration in scrubber ≥ 80% by weight;	Condition 16610, Part 8	P–D	Styrene concentration; records of batches produced
Batches	Condition 16610, Part 7	Y		When not vented to oxidizer: 4 batches/day, max.	Condition 16610, Part 8	P–D	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – AQ
Applicable Limits and Compliance Monitoring Requirements
S-492, T-403 Environmental Services

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement (when operated with emission control system)	BAAQMD Condition 6859, part 6	C	Temperature monitoring
VOC	BAAQMD 8-5-307	Y		< 100 ppm (expressed as methane) above background (when operated as pressure tank)	BAAQMD 8-18-401	P/Q	Method 21 Inspection
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balancing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after cleaning	BAAQMD 8-5-503	P/E	Portable hydrocarbon detector

Table VII – AR
Applicable Limits and Compliance Monitoring Requirements
S-496, T-241 Storage Tank Specialty Chemicals

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII - AS
Applicable Limits and Compliance Monitoring Requirements
S-504, Chlorinolysis Train 1
Abated by Either S-400, Experimental Thermal Oxidizer R-901 or
A-121, In-Process Technology Thermal Abatement Device
Followed by A-401, Acid Adsorber B-901 and A-79, Packed Bed Scrubber B-902

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-2-301	Y		Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry	For A-121: Condition 2213, Part 2 For S-400: Condition 2213, Part 9	A-121: C S-400: C	Temperature Monitor Temperature Monitor
VOC	Condition 2213, Part 1	Y		A-121: Organic destruction efficiency ≥ 99.9% by weight	Condition 2213 Part 2	C	Temperature Monitor
Temp	Condition 2213, Part 2	Y		A-121: Temperature ≥ 1800 degrees F and residence time ≥ 1 second	Condition 2213 Part 2	C	Temperature Monitor
VOC	Condition 2213, Part 4	Y		VOC emissions ≤ 15.75 pounds/hour before abatement	Condition 2213 Parts 4, 13	P-E	Measurement VOC content and calculation of maximum feedrate

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII - AT
Applicable Limits and Compliance Monitoring Requirements
S-505, Chlorinolysis Train 2
Abated by either S-400, Experimental Thermal Oxidizer R-901 or A-121, In-Process Technology Thermal Abatement Device
Followed by A-401, Acid Adsorber B-901 and A-79, Packed Bed Scrubber B-902

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-2-301	Y		Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry	For A-121: Condition 2213, Part 2 For S-400: Condition 2213, Part 9	A-121: C S-400: C	Temperature Monitor Temperature Monitor
VOC	Condition 2213, Part 1	Y		A-121: Organic destruction efficiency ≥ 99.9% by weight	Condition 2213 Part 2	C	Temperature Monitor
Temp	Condition 2213, Part 2	Y		A-121: Temperature ≥ 1800 degrees F and residence time ≥ 1 second	Condition 2213 Part 2	C	Temperature Monitor
VOC	Condition 2213, Part 5	Y		VOC emissions ≤ 1.5 pounds/hour before abatement	None	N	N/A

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement (when operated with emission control system)	BAAQMD Condition 6859, part 6	C	Temperature monitoring
VOC	BAAQMD 8-5-307	Y		< 100 ppm (expressed as methane) above background (when operated as a pressure tank)	BAAQMD 8-18-401	P/Q	Method 21 Inspection
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balancing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after cleaning	BAAQMD 8-5-503	P/E	Portable hydrocarbon detector
VOC	NSPS Subpart Kb 60.112b (a)(3)(i)	Y		When operated with emission control system - Closed vent system leak tightness standards, VOC concentrations shall not exceed 500 ppmv above background	BAAQMD 8-18-401	P/Q	Inspection using Method 21
VOC	NSPS Subpart Kb 60.112b (a)(3)(ii)	Y		When not operated as a pressure tank - Control device standards; includes 95% efficiency requirement ()	BAAQMD Conditions 6859, part 6	C	Temperature monitoring

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-AV
Applicable Limits and Compliance Monitoring Requirements
S-507, Latex Plant Reactor, R-100
Abated by A-42, B-368 Latex Plant Styrene Scrubber,
Followed by S-336 or S-389, Thermal Oxidizers

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-36-301	Y		POC emissions from all resin reactors, blending and thinning tanks combined ≤ 10 pounds/day or POC emissions abated by ≥ 95%	For S-336 or S-389: Condition 6859, Part 6; Condition 2039, Part 13 When not venting to oxidizer: Condition 16610, Part 8	C P–D	Temperature monitor Styrene concentration; records of batches produced
VOC	Condition 16610, Part 4	Y		Styrene emissions from A-42 ≤ 346 lbs/day	Condition 16610, Part 8	P–D	Styrene concentration; records of batches produced
VOC	Condition 16610, Part 5	Y		Scrubber emissions vented to thermal oxidizer 90% of operating time	Condition 16610, Part 8	P-D/E	Records
Styrene concentration	Condition 16610, Part 6	Y		When not vented to oxidizer: Styrene concentration in scrubber ≥ 80% by weight;	Condition 16610, Part 8	P–D	Styrene concentration; records of batches produced
Batches	Condition 16610, Part 7	Y		When not vented to oxidizer: 4 batches/day, max.	Condition 16610, Part 8	P–D	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – AW
Applicable Limits and Compliance Monitoring Requirements
S-519, Chlorinated Pyridine Storage Tank, T-502A
S-520, Chlorinated Pyridine Storage Tank, T-501B
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	Y		Control device standards; includes 95% efficiency requirement (when operated with emission control system)	BAAQMD Condition 2039, part 13	C	Temperature monitoring
VOC	BAAQMD 8-5-307	Y		< 100 ppm (expressed as methane) above background (when operated as a pressure tank)	None	N	N/A
VOC	BAAQMD Condition 1748, part 2	Y		No detectible organic emissions	None	N	N/A

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – AZ
Applicable Limits and Compliance Monitoring Requirements
S-531, Organic Liquid Storage Tank
S-532, Organic Liquid Storage Tank
Abated by S-336 or S-389, Thermal Oxidizers

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement	Conditions 2039, part 13, and 6859, part 6	C	Temperature monitoring

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	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 6-310	Y		0.15 grain/dscf	Same as Above	Same as Above	Same as Above
FP	BAAQMD 6-311	Y		$4.10\ P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	Same as Above	Same as Above	Same as Above

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-307	Y		< 100 ppm (expressed as methane) above background	BAAQMD 8-18-401	P/Q	Method 21 Inspection
VOC	BAAQMD Condition #3195, Part 3	Y		Vapor pressure ≤ 0.5 psia	BAAQMD Condition #3195, Part 4	P/E	Recordkeeping

Table VII – BC
Applicable Limits and Compliance Monitoring Requirements
S-586, Recycle Styrene Storage Tank, T-371
Abated by A-42, B-368 Latex Plant Styrene Scrubber, followed by S-336 or S-389, Thermal Oxidizers

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-BD
Applicable Limits and Compliance Monitoring Requirements
S-587, Tank Truck Loading at Latex for Recycle Styrene
Abated by A-141, Vapor Balance System

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-6-110	Y		Load exempt materials only, true vapor pressure ≤ 0.5 psia	BAAQMD 8-6-503	P-E	Records
VOC	Condition 4002, Part 1	Y		Styrene/butadiene loading ≤ 48,000 gallons/year	Condition 4002, Part 4	P-E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-2-301	Y		Drum Cleaning emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry	Condition 3712, Part 4	P–D	Method 21 Inspection
VOC	BAAQMD 8-6-110	Y		Load exempt materials only, true vapor pressure ≤ 0.5 psia	BAAQMD 8-6-503	P-E	Records
VOC	Condition 3712, Part 5	Y		Chlorinated solvent loading ≤ 3,416,000 gallons/12 months and ≤ 604 drums/day	Condition 3712, Part 7	P-D	Records
VOC	Condition 3712, Part 6	Y		~~Deleted due to confidential information claim~~Agricultural drum loading < 32,258 drums/12 months and ≤ 576 drums/day	Condition 3712, Part 7	P-D	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-2-301	Y		Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry	Condition 4780, Part 18	P – once per permit term	Source Test
VOC	Condition 4780, Part 1	Y		POC emissions from A-147 & A-149 combined ≤ 8 pounds/day	Condition 4780, Part 18	P – once per permit term	Source Test
VOC	Condition 4780, Part 11	Y		Railcar shipments ≤ 210 cars/year	Condition 4780, Part 16	P-E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-6-110	Y		Load exempt materials only, true vapor pressure ≤ 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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-6-302.1	Y		Loading into delivery vehicle: Vapor balance or vapor loss control system with emissions < 0.35 pounds/1000 gallons loaded	Condition 5180, Part 6	P-E	Temperature monitoring
VOC	BAAQMD 8-6-302.2	Y		Loading into delivery vehicle or transportable container: Submerged fill pipe, bottom filling, or vapor loss control system with emissions < 0.35 pounds/1000 gallons loaded	Condition 5180, Part 6	P-E	Temperature monitoring
VOC	BAAQMD 8-6-305, 8-6-306	Y		Vapor tight, leak free, good working order	Condition 5180, Part 7	P-E	Inspection
VOC	Condition 5180, Part 2	Y		Capture efficiency ≥ 95% wt	Condition 5180, Part 6	P-E	Temperature monitoring
POC	Condition 5180, Part 3	Y		Abated POC emissions ≤ 0.35 pounds/1000 gallons loaded	Condition 5180, Part 6	P-E	Temperature monitoring

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	Condition 5336, Part 1	Y		Must be abated by S-336 whenever operating	Condition 5336, Part 3	P-E	Records
VOC	Condition 5336, Part 2	Y		No detectable emissions from piping and equipment	See Component Table	See Component Table	See Component Table

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-1-110.3	Y		VOC abated ≥ 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 – BL
Applicable Limits and Compliance Monitoring Requirements
S-638, Truck Mounted Bulk Transportable Pressure Tank X-205

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-307	Y		< 100 ppm (expressed as methane) above background	Condition 3712, Part 8	P-Q or event	Method 21
VOC	BAAQMD 8-6-302.1	Y		Equipped with vapor balance or vapor loss control system; emissions ≤ 0.35 lbs/1000 gallons	None	N	N/A

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – BM
Applicable Limits and Compliance Monitoring Requirements
S-641, Groundwater Treatment Plant Decant Tank, T-440
Abated by S-336 or S-389, Thermal Oxidizers

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement (when operated with emission control system)	BAAQMD Conditions 2039, part 13, and 6859, part 6	C	Temperature monitoring
VOC	BAAQMD 8-5-307	Y		< 100 ppm (expressed as methane) above background (when operated as pressure tank)	BAAQMD 8-18-401	P/Q	Method 21 Inspection

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII - BP
Applicable Limits and Compliance Monitoring Requirements
S-647, Catalytic Hydrogen Chloride Plant
Followed by S-648, Hydrogen Chloride Absorber E-277
Vents Abated by A-181, B-278 Packed Bed Column,
Followed by A-182, B-279 Packed Bed Column,
Followed by A-184, ME 290 A/B Carbon Beds, or
S-336, Manufacturing Services Thermal Oxidizer

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-2-301	Y		Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry	For A-184: Condition 8894, Parts 11 & 12 For S-336: Condition 6859, Part 6	For A-184: P-D For S-336: C	Method 21 Inspection Temperature monitor
~~VOC~~	~~Condition 8894, Part 3~~	~~Y~~		~~*Deleted due to confidential information claim*~~	~~Condition 8894, Part 8~~	~~P-M~~	~~Records~~
VOC	Condition 8894, Part 11	Y		Changeout of first carbon bed within 72 hours of organic ≥ 10 ppm	Condition 8894, Part 11	P-D	Method 21 Inspection
VOC	Condition 8894, Part 12	Y		Shutdown or vent to thermal oxidizer if final carbon bed exhaust ≥ 10 ppm	Condition 8894, Part 12	P-D	Method 21 Inspection

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII - BQ
Applicable Limits and Compliance Monitoring Requirements
S-648, Hydrogen Chloride Absorber, E-277
Abated by A-181, B-278 Packed Bed Column,
Followed by A-182, B-279 Packed Bed Column,
Followed by A-184, ME 290 A/B Carbon Beds or
S-336, Manufacturing Services Thermal Oxidizer

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None	N	N/A
FP	BAAQMD 6-311	Y		4.10 $P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	None	N	N/A
~~VOC~~	~~Condition 8894, Part 9~~	~~N~~		~~*Deleted due to confidential information claim*~~	~~Condition 8894, Part 14~~	~~P–D~~	~~Records~~
VOC	Condition 8894, Part 11	Y		Changeout of first carbon bed within 72 hours of organic ≥ 10 ppm	Condition 8894, Part 11	P–D	Method 21 Inspection
VOC	Condition 8894, Part 12	Y		Shutdown or vent to thermal oxidizer if final carbon bed exhaust ≥ 10 ppm	Condition 8894, Part 11	P–D	Method 21 Inspection

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – BR
Applicable Limits and Compliance Monitoring Requirements
S-649, 36% Hydrogen Chloride Acid Storage Tank, V-277
Abated by A-181, B-278 Packed Bed Column, followed by A-182, B-279 Packed Bed Column, followed by A-184, ME 290A/B Carbon Beds, or S-336, Manufacturing Services Thermal Oxidizer

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None	N	N/A
FP	BAAQMD 6-311	Y		$4.10\ P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	None	N	N/A
~~HCl~~	~~BAAQMD Condition # 8894 Part 15~~	~~Y~~		~~*Deleted due to confidential information claim*~~	~~BAAQMD Condition # 8894 Part 17~~	~~P/M~~	~~Records~~

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None	N	N/A
FP	BAAQMD 6-311	Y		$4.10\ P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	None	N	N/A
~~HCl~~	~~BAAQMD Condition # 8894 Part 18~~	~~Y~~		~~*Deleted due to confidential information claim*~~	~~BAAQMD Condition # 8894 Part 20~~	~~P/M~~	~~Records~~

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Confined: Ringelmann No. 1 for < 3 min/hr	Condition 8591, Part 5	P-W	Inspection
FP	BAAQMD 6-311	Y		Confined: $4.10\ P^{0.67}$ lb/hr, where P is process weight rate in ton/hr	None	N	N/A
Opacity	BAAQMD 12-4-301	N		Unconfined: Ringelmann No. 1, unless comply with 12-4-303 though 12-4-309	None	N	N/A
Opacity	SIP 12-4-301	Y		Unconfined: Ringelmann No. 1	None	N	N/A
Opacity	BAAQMD 12-4-302	Y		Unconfined: Ringelmann No. 2, if comply with 12-4-303 though 12-4-309	None	N	N/A
PM	BAAQMD 12-4-303, 304	Y		Operating requirements for or pavement marking removal and preparation, and blasting other than in 12-4-303 or 12-4-305 through 309	Condition 8591, Part 3	P-E	Records
PM	BAAQMD 12-4-305.1	Y		Before blasting: abrasives for dry unconfined blasting, including re-used certified abrasives, ≤ 1% wt #70 US Standard sieve material	Condition 8591, Parts 3 & 4	P-E	Records
PM	BAAQMD 12-4-305.2	Y		After blasting: abrasives for dry unconfined blasting, excluding reused certified abrasives, ≤ 1.8% wt 5 micron or smaller material	Same as Above	Same as Above	Same as Above
PM	BAAQMD 12-4-306	Y		Abrasives for unconfined dry blasting must be certified annually	Condition 8591, Parts 3, 4	P-E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – BU
Applicable Limits and Compliance Monitoring Requirements
S-662, Storage Tank, T-243
S-663, Storage Tank, T-242
S-664, Storage Tank, T-244
Abated by A-192, Vent Recovery System, S-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	Y		< 100 ppm (expressed as methane) above background	BAAQMD 8-18-401	P/Q	Method 21 Inspection
~~VOC~~	~~BAAQMD Condition # 14438 Part 2~~	~~Y~~		~~*Deleted due to confidential information claim*~~	~~BAAQMD Condition # 14438 Part 8c~~	~~P/M~~	~~Records~~

Table VII – BV
Applicable Limits and Compliance Monitoring Requirements
S-675, Carbon Tetrachloride Railcar Storage Tank

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-307	Y		< 100 ppm (expressed as methane) above background	BAAQMD 8-18-401	P/Q	Method 21 Inspection
VOC	BAAQMD 8-5-328.1.1	Y		Tank cleaning control by liquid balancing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after cleaning	BAAQMD 8-5-503	P/E	Portable hydrocarbon detector
VOC	BAAQMD Condition # 13335 Part 1	Y		Carbon tetrachloride ≤ 5,669 gallons (74,720 lbs) during any consecutive twelve-month period	BAAQMD Condition # 13335 Part 3	P/E	Records
VOC	BAAQMD Condition # 13335 Part 2	Y		Unloading Events ≤ 5	BAAQMD Condition # 13335 Part 3	P/E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-307	Y		< 100 ppm (expressed as methane) above background	BAAQMD 8-18-401	P/Q	Method 21 Inspection
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balancing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after cleaning	BAAQMD 8-5-503	P/E	Portable hydrocarbon detector
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	BAAQMD Condition # 14354 Part 3	P/E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-6-302.1	Y		Loading into delivery vehicle: Vapor balance or vapor loss control system with emissions < 0.35 pounds/1000 gallons loaded	Condition 14354, Part 5	P-E	Method 21 Inspection
VOC	BAAQMD 8-6-302.2	Y		Loading into delivery vehicle or transportable container: Submerged fill pipe, bottom filling, or vapor loss control system with emissions < 0.35 pounds/1000 gallons loaded	Condition 14354, Part 5	P-E	Method 21 Inspection
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 - BY
Applicable Limits and Compliance Monitoring Requirements
S-682, Groundwater Treatment Plant Air Stripper
Abated by S-336 or S-389, Thermal Oxidizers

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-47-301	Y		Operations with emit benzene, vinyl chloride, perchloroethylene, methylene chloride, or trichloroethylene shall be abated ≥ 90% by weight	Condition 6859, Part 6, Condition 2039, Part 13	C	Temperature monitor
VOC	Condition 14722, Part 1	Y		All piping shall be vapor tight with no detectable organic emissions	See Component Table	See Component Table	See Component Table
VOC	Condition 14722, Part 2	Y		Groundwater treated ≤ 52,560,000 gallons/12 months	Condition 14722, Part 5	P-M	Records
VOC	Condition 14722, Part 3	Y		VOC fed to stripper ≤ 52,560 pounds/12 months	Condition 14722, Part 5	P-M	Sampling, analysis, & calculation
VOC	Condition 14722, Part 4	Y		Carbon tetrachloride concentration in groundwater ≤ 105 ppmw	Condition 14722, Part 5	P-M or more frequent	Sampling and analysis

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-307	Y		< 100 ppm (expressed as methane) above background	BAAQMD 8-18-401	P/Q	Method 21 Inspection
VOC	BAAQMD Condition # 15372 Part 3	Y		Acrylic acid throughput ≤ 210,000 gallons during any consecutive twelve-month period	BAAQMD Condition # 15372 Part 4	P/M	Records
VOC	BAAQMD Condition # 15372 Part 5	Y		Vapor pressure of materials stored ≤ 0.5 psia	BAAQMD Condition # 15372 Part 4	P/M	Records

Table VII - CA
Applicable Limits and Compliance Monitoring Requirements
S-684, Dowicil Packaging Sytem
Abated by A-193, Cartridge Dust Collector System

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
FP	BAAQMD 6-310	Y		0.15 grain/dscf	Condition 15944, Part 3	P-W	Backpressure
FP	BAAQMD 6-311	Y		4.10 $P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	Condition 15944, Part 3	P-W	Backpressure
PM	Condition 15944, Part 1	Y		~~Deleted due to confidential information claim~~Abated PM10 emissions ≤ 2.3 lbs/12 months	Condition 15944, Part 4	P-M	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
FP	BAAQMD 6-310	Y		0.15 grain/dscf	Condition 15932, Part ~~4~~8	P-W	Caustic circulation rate
FP	BAAQMD 6-311	Y		4.10 $P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	Condition 15932, Part ~~4~~8	P-W	Caustic circulation rate
POC	BAAQMD 8-2-301	Y		Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry	Condition 15932, Part ~~4~~8	P–W	Caustic circulation rate
POC	BAAQMD 8-10-301	Y		Vessel depressurization recovered/combusted or contained/treated until organic partial pressure < 4.6 psig	Condition 21060	P-E	Records
VOC	Condition 15932, Part 1	Y		~~*Deleted due to confidential information claim*~~*Combined POC emissions from S-693 and S-694 < 56.9 lbs/12 months*	Condition 15932, Part ~~4~~8	P-W	Records
Circulation rate	Condition 15932, Part 3			Alkali solution circulation rate ≥ 17 gal/minute	Condition 15932, Part ~~4~~8	P–W	Caustic circulation rate

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-2-301	Y		Emissions ≤ 15 pounds/day and ≤ 300 ppm total carbon, dry	Condition 15932, Part 8	P–W	Caustic circulation rate
POC	BAAQMD 8-10-301	Y		Vessel depressurization recovered/combusted or contained/treated until organic partial pressure < 4.6 psig	Condition 21060	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
~~VOC~~	~~Condition 15932, Part 5~~	~~Y~~		~~*Deleted due to confidential information claim*~~	~~Condition 15932, Part 8~~	~~P-W~~	~~Records~~

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII – CD
Applicable Limits and Compliance Monitoring Requirements
S-695, Storage Tank, T-526

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-307	Y		< 100 ppm (expressed as methane) above background	BAAQMD 8-18-401	P/Q	Method 21 Inspection
VOC	BAAQMD Condition # 15932 Part 9	Y		~~Deleted due to confidential information claim~~Combined POC emissions from S-695, S-696, S-697 < 198.9 lbs/12 months	BAAQMD Condition # 15932 Part ~~10~~13	P/W	Records
VOC	BAAQMD Condition # 15932 Part 10	Y		Vapor pressure ≤ 0.5 psia	BAAQMD Condition # 15932 Part ~~11~~13	P/W	Records

Table VII – CE
Applicable Limits and Compliance Monitoring Requirements
S-696, T-585

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-307	Y		< 100 ppm (expressed as methane) above background	BAAQMD 8-18-401	P/Q	Method 21 Inspection
VOC	BAAQMD Condition # 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
VOC	BAAQMD Condition # 15932 Part 10	Y		Vapor pressure ≤ 0.5 psia	BAAQMD Condition # 15932 Part ~~11~~13	P/W	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII - CF
Applicable Limits and Compliance Monitoring Requirements
S-697, ISO Container Loading Operation
Abated by Vapor Balance System

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Exempt liquids	BAAQMD 8-6-110	Y		True vapor pressure < 0.5 psia	BAAQMD 8-6-501.1	P-E	Records
VOC	BAAQMD Condition 15932, Part 9	Y		Combined POC emissions from S-695, S-696, and S-697 ≤ 198.9 lbs/12 months	BAAQMD Condition 15932, Part 13	P/W	Records
VOC	BAAQMD Condition 15932, Part 12	Y		Vapor balance required	BAAQMD Condition 15932, Part 13	P-E	Inspection

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII - CG
Applicable Limits and Compliance Monitoring Requirements
S-699, Purge Tank/Drum Loading Operation

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Exempt liquids	BAAQMD 8-6-110	Y		True vapor pressure < 0.5 psia	BAAQMD 8-6-501.1	P-E	Records
VOC	Condition 15932, Part 14	Y		Distillation system purge stream throughput ≤ 30,000 gallons/12 months	Condition 15932, Part 15	P-W	Records

Table VII - CH
Applicable Limits and Compliance Monitoring Requirements
S-701, T-12 at Manufacturing Services
Operated as a Pressure Tank or Vented to S-336,
Manufacturing Services Thermal Oxidizer

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-307	Y		< 100 ppm (expressed as methane) above background	BAAQMD 8-18-401	P/Q	Method 21 Inspection
VOC	BAAQMD 8-6-304	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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-307	Y	Upon S/U	< 100 ppm (expressed as methane) above background	BAAQMD 8-18-401	P/Q	Method 21 Inspection
VOC	BAAQMD 8-5-328.1	Y	Upon S/U	Tank cleaning control by liquid balancing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD Condition # 17878 Part 3	Y	Upon S/U	Acrylonitrile ≤ 580,000 gallons during any consecutive twelve-month period	BAAQMD Condition # 17878 Part 4	P/M	Records

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for < 3 min/hr	None	N	N/A
FP	BAAQMD 6-310	Y		0.15 grain/dscf	Condition 17683, Part 3	P-E	Operating & maintenance records
FP	BAAQMD 6-311	Y		$4.10\ P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	Condition 17683, Part 2, Part 3 - abatement & maintenance requirements	P-E	Operating & maintenance records
PM	Condition 17683, Part 1	Y		Abrasive throughput ≤ 280,320 pounds/12 months	Condition 17683, Part 3	P-D	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII - CK
Applicable Limits and Compliance Monitoring Requirements
S-706, FPI Standby Generator (Diesel)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-303	N		Ringelmann No. 2	None	N	N/A
FP	BAAQMD 6-310	N		0.15 grain/dscf	None	N	N/A
SO2	BAAQMD 9-1-301	N		Ground level concentration ≤ 0.5 ppm for 3 minutes, 0.25 ppm for 60 minutes, or 0.05 over 24 hours	None	N	N/A
SO2	BAAQMD 9-1-304	N		Fuel sulfur content ≤ 0.5% by weight, unless the SO2 concentration in the resulting emissions ≤ 300 ppm, dry	Condition 18317, Part 1	P-E	Vendor certification
NOx, CO, PM	BAAQMD 9-8-330, Condition 18317, Part 2	N		Operation for reliability-related activities ≤ 100 hours/calendar year	BAAQMD 9-8-530, Condition 18317, Part 5	C	Fuel meter or meter indicating hours of operation
PM	Condition 18317, Part 2	N		Total operation ≤ 200 hours/calendar year	Condition 18317, Part 5	C	Fuel meter or meter indicating hours of operation
PM	Condition 18317, Part 1	N		Fuel sulfur content ≤ 0.05% by weight	Condition 18317, Part 1	P-E	Vendor certification

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII - CL
Applicable Limits and Compliance Monitoring Requirements
S-707, Diesel Engine Backup Generator P1A
S-708, Diesel Engine Backup Generator P1B
S-710, Diesel Engine Backup Generator 480A
S-711, Diesel Engine Backup Generator 223

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-303	N		Ringelmann No. 2	None	N	N/A
FP	BAAQMD 6-310	N		0.15 grain/dscf	None	N	N/A
SO2	BAAQMD 9-1-301	N		Ground level concentration ≤ 0.5 ppm for 3 minutes, 0.25 ppm for 60 minutes, or 0.05 over 24 hours	None	N	N/A
SO2	BAAQMD 9-1-304	N		Fuel sulfur content ≤ 0.5% by weight, unless the SO2 concentration in the resulting emissions ≤ 300 ppm, dry	Condition 19724, Part 5	P-E	Vendor certification
NOx, CO, PM	BAAQMD 9-8-330, Condition 19724, Part 1	N		Operation for reliability-related activities ≤ 100 hours/calendar year	BAAQMD 9-8-530, Condition 19724, Part 4	C	Fuel meter or meter indicating hours of operation

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII - CM
Applicable Limits and Compliance Monitoring Requirements
S-709, IC Engine Backup Generator 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 6-303	N		Ringelmann No. 2	None	N	N/A
FP	BAAQMD 6-310	N		0.15 grain/dscf	None	N	N/A
SO2	BAAQMD 9-1-301	N		Ground level concentration ≤ 0.5 ppm for 3 minutes, 0.25 ppm for 60 minutes, or 0.05 over 24 hours	None	N	N/A
SO2	BAAQMD 9-1-304	N		Fuel sulfur content ≤ 0.5% by weight, unless the SO2 concentration in the resulting emissions ≤ 300 ppm, dry	None	N	N/A
NOx, CO, PM	BAAQMD 9-8-330, Condition 19724, Part 1	N		Operation for reliability-related activities ≤ 100 hours/calendar year	BAAQMD 9-8-530, Condition 19724, Part 4	C	Fuel meter or meter indicating hours of operation

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for < 3 min/hr	For A-199: Condition 17985, Part 7 For A-201/ A-202: Condition 20239, Parts 5, 6	A-199: P-D A-201/A-202: P-D	Caustic concentration Caustic concentration
FP	BAAQMD 6-310	Y		0.15 grain/dscf	For A-199: Condition 17985, Part 7 For A-201/ A-202: Condition 20239, Parts 5, 6	A-199: P-D A-201/A-202: P-D	Caustic concentration Caustic concentration
FP	BAAQMD 6-311	Y		$4.10\ P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	For A-199: Condition 17985, Part 7 For A-201/ A-202: Condition 20239, Parts 5, 6	A-199: P-D A-201/A-202: P-D	Caustic concentration Caustic concentration
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	Condition 17985, Part 7, Condition 20239, Parts 5, 6	P-D	Caustic concentration

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD 9-1-302	Y		SO2 ≤ 300 ppm, dry	Condition 17985, Part 7, Condition 20239, Parts 5, 6	P-D	Caustic concentration
Caustic concentration	Condition 17985, Part 6	Y		Caustic concentration ≥ 1% by weight	Condition 17985, Part 7	P-D	Caustic concentration
Sulfuryl Fluoride	Condition 20303, Part 1	Y		~~Deleted due to confidential information claim~~Abated sulfuryl fluoride emissions ≤ 440.8 lbs/12 months	Condition 20303, Part 7	P-M	Records
Acid	Condition 20303, Part 1	Y		Abated HF and HCl emissions ≤ 15.5 lbs/12 months	Condition 20303, Part 7	P-M	Records
SO2	Condition 20303, Part 1	Y		Abated SO2 emissions ≤ 3.6 lbs/12 months	Condition 20303, Part 7	P-M	Records
Sulfuryl Fluoride	Condition 20303, Part 4	Y		Combined control efficiency of A-201, A-202 ≥ 98.5%	Condition 20303, Parts 5, 6	C P-D	Flowmeters; Caustic strength
All other pollutants	Condition 20303, Part 4	Y		Combined control efficiency of A-201, A-202 ≥ 99.98%	Condition 20303, Parts 5, 6	C P-D	Flowmeters; Caustic strength
Flowrate	Condition 20303, Part 4	Y		Scrubber water ≥ 145 gal/minute	Condition 20303, Part 5	C	Flowmeter

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Flowrate	Condition 20303, Part 4	Y		Scrubber solution ≥ 50 gal/minute	Condition 20303, Part 5	C	Flowmeter
pH	Condition 20303, Part 4	Y		pH ≥ 8	Condition 20303, Part 6	P-D	Caustic strength

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CO
Applicable Limits and Compliance Monitoring Requirements
Components

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-18-301	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	Y		Valve leaks ≤ 100 ppm, unless the leak has been discovered, minimized ≤ 24 hours and repaired ≤ 7 days. If discovered by the APCO, repaired within 24 hours.	BAAQMD 8-18-401.1 8-18-401.2 8-18-401.3 8-18-401.5 8-18-404	P – ≤ 90 days after startup, if opened during a turnaround. Accessible valves: P-Q Inaccessible valves: P-A If leak >Section 300 limits: P ≤ 24 hrs of repair. P-A, if requirements are met.	Method 21 Inspection Method 21 Inspection Method 21 Inspection Method 21 Inspection Method 21 Inspection

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CO
Applicable Limits and Compliance Monitoring Requirements
Components

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-18-303, 8-18-305	Y		Pump, Compressor, and PRD leaks ≤ 500 ppm, unless the leak has been discovered, minimized w/i 24 hours and repaired w/i 7 days. If discovered by the APCO, repaired within 24 hours.	BAAQMD 8-18-401.1	P – w/i 90 days of startup, if opened during a turnaround.	Method 21 Inspection
					8-18-401.5	P-w/i 24 hours of repair, if leak > Section 300 limits.	Method 21 Inspection
					8-18-401.7	PRD w/ inaccessible horn outlet: P-Q	Method 21 Inspection
					8-18-401.8	PRD that has released: P-5 working days after release	Method 21 Inspection
					8-18-403	Pumps and Compressors: P-D, except when facility not staffed	Visual inspection
POC	BAAQMD 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	P – w/i 90 days after startup, if opened during a turnaround.	Method 21 Inspection
					8-18-401.5	P-w/i 24 hrs of repair, if leak >Section 300 limits.	Method 21 Inspection

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CO
Applicable Limits and Compliance Monitoring Requirements
Components

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-18-306.1	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	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
POC	BAAQMD 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
POC	BAAQMD 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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CO
Applicable Limits and Compliance Monitoring Requirements
Components

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	SIP 8-25-302	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
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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CO
Applicable Limits and Compliance Monitoring Requirements
Components

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	SIP 8-25-304.2, 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
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	N		PRV: Inspection within 5 working days of release event	BAAQMD 8-28-401	P-E	Method 21 Inspection and Report
POC	SIP 8-28-301	Y		10,000 ppm as methane measured ≤ 1 cm from PRV, unless:	SIP 8-28-402 SIP 8-28-402.3	Accessible: P-Q Inaccessible: P-A	Method 21 Inspection Method 21 Inspection
POC	SIP 8-28-301.1	Y		vented to vapor recovery or disposal system ≥ 95% efficient	SIP 8-28-404	None	Identification
POC	SIP 8-28-301.2	Y		PRV protected by rupture disc and been inspected within 36 hours of replacement or installation of rupture disc	SIP 8-28-404	None	Identification

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-CO
Applicable Limits and Compliance Monitoring Requirements
Components

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	SIP 8-28-301.3	Y		Static upstream pressure exceeds the setpoint of the PRV	SIP 8-28-404	None	Identification
POC	SIP 8-28-301.4	Y		Leak has been identified and repaired within 15 days unless process unit shutdown is required	SIP 8-28-402 SIP 8-28-402.3	Accessible: P-Q Inaccessible: P-A	Method 21 Inspection Method 21 Inspection
POC	SIP 8-28-301.5	Y		Leak has been identified, minimized within 15 days, and repaired at next scheduled turnaround	SIP 8-28-402 SIP 8-28-402.3	Accessible: P-Q Inaccessible: P-A	Method 21 Inspection Method 21 Inspection

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Organic HAP	40 CFR Part 63., Subpart F §104(c)(1)(ii)	Y		Heat Exchangers: Cooling water analyzed for presence of styrene and butadiene to detect leaks	40 CFR 63.104(c)(1)(iii)	P-Q	Testing
Organic HAP	40 CFR Part 63., Subpart F §104(d)(1)	Y		Heat Exchangers: Unless delay of repair provisions met, repair leak within 45 days after confirmation of leak; confirm repair within 7 days of repair or startup	40 CFR 63.104(f)(1)	P-E	Records
Organic HAP	40 CFR Part 63., Subpart F §104(e)(2)(ii)	Y		Heat Exchangers: If delay of repair provisions met, repair leak at next shutdown if within 2 months or if shutdown causes greater emissions than delaying repair, repair at next shutdown or for all other situations, repair within 120 days	40 CFR 63.104(f)(2)	P-E	Records
Organic HAP	40 CFR Part 63., Subpart G §113(a)(2)	Y		Primary Abatement Device: Reduction ≥ 98% by weight or to concentration ≤ 20 ppmv dry (corrected to 3% oxygen if supplemental combustion air is used),	40 CFR Part 63., Subpart G, §114(a) §114(d)(1), §485(o)(1)(i)	C C	Temperature monitor Flowmeter

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
				whichever is less stringent			
Organic HAP	40 CFR Part 63., Subpart G §113(a)(2)	Y		Primary Abatement Device: Minimum operating temperature 986 degreesC	40 CFR Part 63, Subpart G, §114(a) 40 CFR Part 63., Subpart U, *§485(a)*	C	Temperature monitor

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII - CQ
Applicable Limits and Compliance Monitoring Requirements
MACT - Equipment Leaks
Latex Plant Fugitive Components, including:
Pumps, Valves, Connectors, Compressors, Pressure Relief Devices, Open Ended Valves and Lines, Agitators, and Instrumentation Systems
Sym-Tet Plant Fugitive Components

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 liqht 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 liqht liquid service, Phase II: 5,000 ppm	§63.163(b)(1)	P-M	Method 21 inspection
Organic HAP	40 CFR Part 63, §163(b)(2)(iii)	Y		Pumps in monomer service, Phase III: 5,000 ppm Other pumps, Phase III: 1,000 ppm	§63.163(b)(1)	P-M	Method 21 inspection
Organic HAP	40 CFR Part 63, §163(b)(3)	Y		Pumps in liqht liquid service: Liquid leak	§63.163(b)(3)	P-W	Visual inspection
Organic HAP	40 CFR Part 63, §163(d)(2)	Y		Pumps in liqht 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 HAP	40 CFR Part 63, §168(b)(2)(i)	Y		Valves in gas/vapor and light liquid service, Phase I: 10,000 ppm	§63.168(c)	P-Q	Method 21 inspection
Organic HAP	40 CFR Part 63, §168(b)(2)(ii)	Y		Valves in gas/vapor and light liquid service, Phase II: 500 ppm	§63.168(c)	P-Q	Method 21 inspection

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII - CQ
Applicable Limits and Compliance Monitoring Requirements
MACT - Equipment Leaks
Latex Plant Fugitive Components, including:
Pumps, Valves, Connectors, Compressors, Pressure Relief Devices, Open Ended Valves and Lines, Agitators, and Instrumentation Systems
Sym-Tet Plant Fugitive Components

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, §168(b)(2)(iii)	Y		Valves in gas/vapor and light liquid service, III: 500 ppm	§63.165(d)(1)	For ≥ 2% leakers: P-M or P-Q with a Quality Improvement Plan	Method 21 inspection
					§63.165(d)(2)	For < 2% leakers: P-Q	Method 21 inspection
					§63.165(d)(3)	For < 1% leakers: P-once per 2 quarters	Method 21 inspection
					§63.165(d)(4)	For < 0.5% leakers: P-once per 4 quarters	Method 21 inspection
Organic HAP	40 CFR Part 63, §169(b)	Y		Agitators in heavy liquid service: 10,000 ppm			Method 21 inspection
Organic HAP	40 CFR Part 63, §169(b)	Y		Pumps in polymerizing monomer service: 5,000 ppm Other pumps in heavy liquid service: 2,000 ppm			Method 21 inspection
Organic 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	40 CFR Part 63,	Y		Agitator in gas/vapor and	§63.173(b)(1)	P-W	Visual

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII - CQ
Applicable Limits and Compliance Monitoring Requirements
MACT - Equipment Leaks
Latex Plant Fugitive Components, including:
Pumps, Valves, Connectors, Compressors, Pressure Relief Devices, Open Ended Valves and Lines, Agitators, and Instrumentation Systems
Sym-Tet Plant Fugitive Components

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
HAP	§173(b)(2)			light liquid service: liquid leak			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)	For leakers ≥ 0.5%: P-A	Method 21 inspection
					§63.174(b)(3)(ii)	For leakers < 0.5%: P-once every 2 years	Method 21 inspection
					§63.174(b)(3)(iii)	For leakers < 0.5%: for 2 years: P-once every 4 years	Method 21 inspection

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
6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
6-304	Tube Cleaning	Manual of Procedures, Volume I, Evaluation of Visible Emissions
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
6-311	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
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

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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 18317, Part 1	Fuel Sulfur Content	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.

IX. Permit Shield

IX. PERMIT SHIELD

None.

X. 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

CAPCOA
California Air Pollution Control Officers Association

X. Glossary

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

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.

X. Glossary

EPA
The federal Environmental Protection Agency.

Excluded
Not subject to any District Regulations.

Federally Enforceable, FE
All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to 40 CFR Part 51, subpart I (NSR), Part 52.21 (PSD), Part 60 (NSPS), Part 61 (NESHAPs), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), and also including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

FP
Filterable Particulate as measured by BAAQMD Method ST-15, Particulate.

FR
Federal Register

FRT
Floating Roof Tank (See EFRT and IFRT)

GDF
Gasoline Dispensing Facility

GLM
Ground Level Monitor

grains
1/7000 of a pound

HAP
Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by 40 CFR Part 63.

H2S
Hydrogen Sulfide

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.

X. Glossary

IFRT
An "internal floating roof tank" minimizes VOC emissions with a roof with floats on the surface of the liquid, thus preventing the formation of a VOC-rich vapor space above the liquid surface as the level in the tank drops. If such a vapor space were allowed to form, it would be expelled when the tank was re-filled. On an IFRT, the floating roof is enclosed by a second, fixed tank roof, and thus is described as an "internal" roof.

LHV
Lower Heating Value. Similar to the higher heating value (see HHV) except that the water produced by the combustion is not condensed but retained as vapor at 60F.

Latex MACT
40 CFR Part 63, Subpart U

Lontrel
A solid herbicide produced at this facility, an organic acid.

Lorsban
A terminalized product, not produced at this facility.

Major Facility
A facility with potential emissions of: (1) at least 100 tons per year of any regulated air pollutant, (2) at least 10 tons per year of any single hazardous air pollutant, and/or (3) at least 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity of hazardous air pollutants as determined by the EPA administrator.

MEI
Methyl ester intermediate

MFR
Major Facility Review. The District's term for the federal operating permit program mandated by Title V of the Act and implemented by District Regulation 2, Rule 6.

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.

X. Glossary

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.

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

X. Glossary

POHC
Precursor Organic Hydrocarbon

PM
Total Particulate Matter

PM10
Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

PRD
Pressure Relief Device

PSD
Prevention of Significant Deterioration. A federal program for permitting new and modified sources of air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 and District Regulation 2, Rule 2.

RMP
Risk Management Plan

SB Latex/Rubber
Styrene-butadiene latex/rubber, produced at this facility.

SCR
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

X. Glossary

TCA
Trichloroethane

TCE
Trichloroethylene

THC
Total Hydrocarbons (NMHC + Methane)

therm
100,000 British Thermal Unit

Title V
Title V of the federal Clean Air Act. Requires a federally enforceable operating permit program for major and certain other facilities.

TOC
Total Organic Compounds (NMOC + Methane, Same as THC)

TRE
Total Resource Effectiveness

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

X. 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
MMbtu	=	million btu
mm Hg	=	millimeters of Mercury (pressure)
MW	=	megawatts
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scfm	=	standard cubic feet per minute
yr	=	year

Symbols:

$<$	=	less than
$>$	=	greater than
$\leq$	=	less than or equal to
$\geq$	=	greater than or equal to

XI. APPLICABLE STATE IMPLEMENTATION PLAN

The Bay Area Air Quality Management District's portion of the State Implementation Plan can be found at EPA Region 9's website. The address is:

http://yosemite1.epa.gov/r9/r9sips.nsf/California?ReadForm&Start=1&Count=30&Expand=3.1