Bay Area Air Quality Management District

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

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:

Solvay USA Inc.

Facility #B1661

Facility Address:
100 Mococo Road
Martinez, CA 94553

Mailing Address:
100 Mococo Road
Martinez, CA 94553

Responsible Official	**Facility Contact**
Darrel Hodge, Plant Manager	Anthony Koo, Environmental Coordinator
(925) 313-8224	(925) 313-8221

Type of Facility: Sulfuric Acid Manufacturing
Primary SIC: 2819
Product: Sulfuric Acid and Ammonium Sulfate/Bisulfite Fertilizer

BAAQMD Engineering Division Contact:
Jimmy Cheng

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Jim Karas
Jim Karas, P.E., Director of Engineering

Decmeber 18, 2013
Date

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I. STANDARD CONDITIONS

A. Administrative Requirements

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

BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 5/4/11);
SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 6/28/99);
BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 3/4/09);
SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 6/15/05);
SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 12/21/04);
SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 5 - New Source Review of Toxic Air Contaminants
(as amended by the District Board on 1/6/10);
BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 4/16/03); and
SIP Regulation 2, Rule 6 – Permits, Major Facility Review
(as approved by EPA through 6/23/95).

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

1. This Major Facility Review Permit was issued on December 20, 2011, and expires on December 19, 2016. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than June 19, 2016, and no earlier than December 19, 2015. **If a complete application for renewal has not been submitted in accordance with these deadlines, the facility may not operate after December 19, 2016.** If the permit renewal has not been issued by December 19, 2016, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407, & 409.6; MOP Volume II, Part 3, §4.2)

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

I. Standard Conditions

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)

5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)

6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)

7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)

8. Any records required to be maintained pursuant to this permit which the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)

9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)

10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)

11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (Regulation 2-6-409.20, MOP Volume II, Part 3, §4.11)

12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

I. Standard Conditions

C. Requirement to Pay Fees

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

D. Inspection and Entry

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

E. Records

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

2. Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of creation of the record. (Regulation 2-6-501, 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. Reports shall be submitted for the following periods: July 1st through December 31st and January 1st through June 30th, 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; 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 January 1st through December 31st. The certification shall be submitted by January 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

I. Standard Conditions

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)

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	Model	Capacity
S-1	Sulfuric Acid Plant	Custom	Custom	1834 tons/day
S-2	Auxiliary Boiler (natural gas)	Continental	F142B 500DG	21 MMBtu/hr
S-3	Natural Gas Preheater Furnace (natural gas)	John Zink Direct Fired Air Heater	Z-38-E	97.5 MMBtu/hr
S-16	Sulfur Storage Tank, T-2	Vertical Dome-Top	Custom	160,000 Gallon
S-17	Sulfur Storage Tank, T-14	Vertical Dome-Top	Custom	160,000 Gallon
S-18	Sulfur Storage Tank, T-12	Underground Horizontal Tank	Custom	34,000 Gallon
S-19	Alky Tank, T-1	Vertical Dome-Top	Custom	406,000 Gallon
S-20	Alky Tank, T-3	Vertical Dome-Top	Custom	406,000 Gallon
S-30	Gasoline Dispensing Island (G5980)	Aboveground Tank	Custom	1,000 Gallon 1 nozzle
S-45	Sludge Tank, T-507 and Sludge Presses, F-521A&B			
S-50	Sulfur Storage Tank, T-16	Underground Horizontal Tank	Custom	30,000 Gallon
S-51	Oleum Storage Tank, T-19	NESCO	Custom	45,000 Gallon
S-52	Oleum Truck Loading Facility	LTV Style 263 Stainless Steel Arm	Custom	60 ton/hr
S-54	Alky Sulfuric Acid and Lubricant Spent Acid Process Tank, T-360	Custom, Stainless Steel Pressure Vessel	Custom	30,000 Gallons
S-55	LSA Truck Receiving Facility	Custom, tank truck unloading	Custom	21 tons/hr
S-56	Standby Diesel Fire Pump Engine			160 bhp 1.4 MMbtu/hr 414 cubic inch displacement
S-57	Sulfuric Acid Cleaning Operation			

II. Equipment

Table II-B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Required Efficiency
A-2	Packed Bed Caustic Scrubber	S-19, S-20	BAAQMD Condition #17734, part 16		Require-ment for control
		S-19, S-20	BAAQMD Condition #17734, part 17a	The pH shall not be less than 5 or more than 14.	pH > 5 and < 14
		S-54, S-55	BAAQMD Condition #17906, parts 6 and 7		Require-ment for control
A-5	Flare	S-19, S-20	BAAQMD Condition #17734, part 16	None	Require-ment for control
		S-54, S-55	BAAQMD Condition #17906, parts 6 and 7		Require-ment for control
A-11	Ammonia Scrubber	S-1	BAAQMD 6-1-301		Ringel-mann 1 for < 3 minutes/hr
		S-1	BAAQMD 6-1-310		0.15 gr/dscf
		S-1	BAAQMD 6-1-311		hourly PM limit based on throughput
		S-1	BAAQMD 6-1-320		0.04 gr/dscf SO3 and H2SO4

II. Equipment

Table II-B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Required Efficiency
		S-1	BAAQMD 9-1-309		SO2 emissions < 300 ppm @ 12% O2, 4-hour average
		S-1	BAAQMD 12-6-301		0.3 lb H2SO4/ton acid
A-11	Ammonia Scrubber	S-1	40 CFR 60.31d		0.25 g H2SO4/kg acid
		S-1	BAAQMD Condition #17734, part 17b	The pH shall not be less than 3.5 or more than 14.	pH > 3.5 and < 14
A-16	Brink Type Mist Eliminator	S-51, S-52	BAAQMD 6-1-301		Ringel-mann 1 for < 3 minutes/hr
		S-51, S-52	BAAQMD 12-10-401		0.01 grams per cubic meter at fenceline or 2 ppm as H2SO4 over any 10 conse-cutive minutes
		S-51, S-52	BAAQMD Condition #13337, part 3		Ringel-mann 0.5
		S-51	BAAQMD Condition #13337, part 7A		0.416 lb/hr SO2

II. Equipment

Table II-B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Required Efficiency
		S-51	BAAQMD Condition #13337, part 7A		0.416 lb SO2 in any 60 min, avg.
		S-51	BAAQMD Condition #13337, part 7B		0.5 lb/hr SO3
A-16	Brink Type Mist Eliminator	S-51	BAAQMD Condition #13337, part 7B		0.5 lb SO3 in any 60 min, avg.
		S-51	BAAQMD Condition #13337, part 7C		0.558 lb/hr H2SO4
		S-51	BAAQMD Condition #13337, part 7C		0.558 lb H2SO4 in any 60 min, avg.
		S-52	BAAQMD Condition #13337, part 8A		4.0 lb/hr SO2
		S-52	BAAQMD Condition #13337, part 8A		2.0 lb SO2 in any 30 min, avg.
		S-52	BAAQMD Condition #13337, part 8B		0.5 lb/hr SO3
		S-52	BAAQMD Condition #13337, part 8B		0.5 lb SO3 in any 60 min, avg.

II. Equipment

Table II-B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Required Efficiency
		S-52	BAAQMD Condition #13337, part 8C		0.746 lb/hr H2SO4
		S-52	BAAQMD Condition #13337, part 8C		0.746 lb H2SO4 in any 60 min, avg.
A-17	Brink Type Mist Eliminator	S-51, S-52	BAAQMD 6-1-301		Ringel-mann 1 for < 3 minutes/hr
		S-51, S-52	BAAQMD 12-10-401		0.01 grams per cubic meter at fenceline or 2 ppm as H2SO4 over any 10 conse-cutive minutes
		S-51, S-52	BAAQMD Condition #13337, part 3		Ringel-mann 0.5
		S-51	BAAQMD Condition #13337, part 7A		0.416 lb/hr SO2
		S-51	BAAQMD Condition #13337, part 7A		0.416 lb SO2 in any 60 min, avg.
		S-51	BAAQMD Condition #13337, part 7B		0.5 lb/hr SO3

II. Equipment

Table II-B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Required Efficiency
		S-51	BAAQMD Condition #13337, part 7B		0.5 lb SO3 in any 60 min, avg.
		S-51	BAAQMD Condition #13337, part 7C		0.558 lb/hr H2SO4
A-17	Brink Type Mist Eliminator	S-51	BAAQMD Condition #13337, part 7C		0.558 lb H2SO4 in any 60 min, avg.
		S-52	BAAQMD Condition #13337, part 8A		4.0 lb/hr SO2
		S-52	BAAQMD Condition #13337, part 8A		2.0 lb SO2 in any 30 min, avg.
		S-52	BAAQMD Condition #13337, part 8B		0.5 lb/hr SO3
		S-52	BAAQMD Condition #13337, part 8B		0.5 lb SO3 in any 60 min, avg.
		S-52	BAAQMD Condition #13337, part 8C		0.746 lb/hr H2SO4
		S-52	BAAQMD Condition #13337, part 8C		0.746 lb H2SO4 in any 60 min, avg.

II. Equipment

Table II-B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Required Efficiency
A-57	SO2 Portable Caustic Scrubber	S-57	BAAQMD Condition #24537, part 4	Scrubbing solution to Venturi scrubber should be at least 80 gallons per minute	80 gal/min scrubbing solution
		S-57	BAAQMD Condition #24537, part 6	Scrubbing solution to packed column scrubber should be at least 120 gallons per minute	120 gal/min scrubbing solution
		S-57	BAAQMD Condition #24537, part 8	pH of scrubbing solution should be at least 8	pH at least 8
		S-57	BAAQMD Condition #24537, parts 10 and 12		Require-ment for control
S-1	Sulfuric Acid Plant	S-19, S-20	BAAQMD Condition #17734, part 16		Require-ment for control
		S-54, S-55	BAAQMD Condition #17906, parts 6 and 7		Require-ment for control

III. GENERALLY APPLICABLE REQUIREMENTS

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

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

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

The full language of SIP requirements is on EPA Region 9's website. The address is http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions.

NOTE:

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

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (5/4/11)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (3/4/09)	N
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD 2-1-429	Federal Emissions Statement (12/21/04)	N
SIP Regulation 2-1-429	Federal Emissions Statement (4/3/95)	Y
BAAQMD Regulation 2, Rule 5	New Source Review of Toxic Air Contaminants (1/6/10)	N
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 (7/9/08)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/07)	N
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (7/20/05)	N
SIP Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (3/22/95)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (11/21/01)	N
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (1/2/04)	Y
BAAQMD Regulation 8, Rule 4	Organic compounds - General Solvent and Surface Coating Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (6/1/94)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05)	N
SIP Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (4/19/01)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/05)	N
SIP Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (4/26/95)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic compounds - Aerosol Paint Products (3/22/95)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/02)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)	N
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (5/20/92)	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	N
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y
California Health and Safety Code Section 41750 et seq.	Portable Equipment	N
California Health and Safety Code Section 44300 et seq.	Air Toxics “Hot Spots” Information and Assessment Act of 1987	N
California Health and Safety Code Title 17, Section 93115	Airborne Toxic Control Measure for Stationary Compression Ignition Engines	N
California Health and Safety Code Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater	N
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (7/20/04)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (4/13/05)	
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 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 text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is:
http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions All other text may be found in the regulations themselves.

Table IV-A
Source-specific Applicable Requirements
S-1 Sulfuric Acid Plant

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (7/9/08)**		
1-501	Sampling Facilities	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.3	SO2 from Sulfuric Acid Plants	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Requirements		
1-522.1	Plans and Specifications	Y	
1-522.2	Installation Scheduling	Y	
1-522.3	Performance Testing	Y	
1-522.4	Periods of Inoperation Greater Than 24 Hours	Y	
1-522.5	Calibration	Y	

IV. Source-specific Applicable Requirements

Table IV-A
Source-specific Applicable Requirements
S-1 Sulfuric Acid Plant

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-522.6	Accuracy	Y	
1-522.7	Excesses	N	
1-522.8	Monthly Reports	Y	
1-522.9	Records	Y	
1-522.10	Monitor Requirements	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures		
1-523.1	Periods of Non-operation Greater Than 24 Hours	Y	
1-523.2	Periods of Non-operation Exceeding 15 Days	Y	
1-523.3	Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and Calibration	N	
1-602	Area and Continuous Emission Monitoring Requirements	Y	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-522.7	Excesses	Y	
1-523.3	Violations	Y	
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-320	Sulfuric Acid Manufacturing Plants	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-320	Sulfuric Acid Manufacturing Plants	Y	

IV. Source-specific Applicable Requirements

Table IV-A
Source-specific Applicable Requirements
S-1 Sulfuric Acid Plant

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gases – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-309	Emission Limitations for Sulfuric Acid Plants	Y	
9-1-502	Emission Monitoring Requirements	Y	
9-1-601	Sampling and Analysis of Gas Streams	Y	
9-1-603	Averaging Times	Y	
9-1-604	Ground Level Monitoring	Y	
9-1-605	Emission Monitoring	Y	
BAAQMD Regulation 12, Rule 6	**Acid Mist from Sulfuric Acid Plants (12/6/78)**	N	
12-6-301	Acid Mist	N	
12-6-501	Production Rate and Hours of Operation	N	
12-6-601	Testing Procedures	N	
40 CFR, Part 60, Subpart A	**Standards of Performance for New Stationary Sources – General Provisions (1/28/09)**	Y	
60.7	Notification and Recordkeeping	Y	
60.8	Performance Tests	Y	
60.9	Availability of Information	Y	
60.11	Compliance with standards and maintenance requirements	Y	
60.11(d)	Minimizing emissions	Y	
60.12	Circumvention	Y	
60.13	Monitoring Requirements	Y	
60.19	General notification and reporting requirements	Y	
40 CFR, Part 60, Subpart H	**Standards of Performance for Sulfuric Acid Plants (7/25/77)**	Y	
60.82	Standard for sulfur dioxide	Y	
60.83	Stsndard for acid mist	Y	
60.84	Emission monitoring	Y	
60.85	Test methods and procedures	Y	

IV. Source-specific Applicable Requirements

Table IV-A
Source-specific Applicable Requirements
S-1 Sulfuric Acid Plant

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR, Part 60, Subpart Cd	**Emissions Guidelines and Compliance Times for Sulfuric Acid Production Units (12/19/95)**	Y	
Section 60.30d	Designated Facilities	Y	
Section 60.31d	Emissions Guidelines	Y	
Section 60.32d	Compliance Times	Y	
40 CFR, Part 64	**Compliance Assurance Monitoring (10/22/97)**	Y	
64.1	Definitions	Y	
64.2	Applicability	Y	
64.3	Monitoring Design Criteria	Y	
64.3(b)(4)(iii)	Data Collection at least once per 24-hour period	Y	
64.5	Deadlines for submittal	Y	
64.6	Approval of Monitoring	Y	
64.7	Operation of Approved Monitoring	Y	
64.8	Quality Improvement Plan (QIP) Requirements	Y	
64.9	Reporting and Recordkeeping Requirements	Y	
64.10	Savings Provisions	Y	
BAAQMD Condition 17734			
Part 4	Daily sulfuric acid production limit (basis: cumulative increase and BAAQMD Regulation 2-1-234.3)	Y	
Part 9	Annual sulfuric acid production limit (basis: cumulative increase and BAAQMD Regulation 2-1-234.3)	Y	
Part 15	Record Retention Requirement (basis: cumulative increase and Regulation 2-6-501)	Y	
Part 16	Control of S-19 and S-20 (basis: cumulative increase)		
Part 17b	Properly maintain and keep in good operating condition A-11. pH of scrubbing liquid requirement. (basis: cumulative increase)	Y	
Part 22	Source Test Requirements (basis: 2-6-409.2, 2-6-503)	Y	
Part 24	Recordkeeping for pH monitoring (basis: 2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV-A
Source-specific Applicable Requirements
S-1 Sulfuric Acid Plant

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Consent Decree	**Sulfur Dioxide and Acid Mist from the Sulfuric Acid Plant (7/23/07)**	Y	
Paragraph 11	Emission limits of sulfur dioxide and sulfuric acid mist	Y	
Paragraph 13	Monitoring requirements	Y	
Paragraph 14	Performance testing	Y	
Paragraph 17	Emissions limits and standards	Y	

Table IV-B
Source-specific Applicable Requirements
S-2 Auxiliary Boiler

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter , General Requirements (12/5/07)**		
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.3	Heat Transfer Operation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operation	Y	
6-401	Appearance of Emissions	Y	

IV. Source-specific Applicable Requirements

Table IV-B
Source-specific Applicable Requirements
S-2 Auxiliary Boiler

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 9, Rule 1	**Inorganic Gases – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
BAAQMD Regulation 9, Rule 7	**Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (5/4/11)**		
9-7-112	Limited Exemption, Low Fuel Usage – Section 9-7-307	N	
9-7-112.2	Limited Exemption for Devices with Rated Heat Input of 10 Million Btu/hr or More.	N	1/1/2012
9-7-301	Interim Emission Limits	N	
9-7-301.1	Performance Standard, NOx (Effective until 1/1/2012)	N	
9-7-301.4	Performance Standard, CO (Effective until 1/1/2012)	N	
9-7-311	Insulation Requirements (Effective until 1/1/2012)	N	
9-7-503	Records	N	
9-7-503.1	§313.2 Records (Effective until 1/1/2012)	N	
9-7-503.3	Hours of equipment testing using non-gaseous fuel and total operating hours per month using non-gaseous fuel (Effective until 1/1/2012)	N	
9-7-504	Low Fuel Usage- Monitoring and Records	N	
9-7-504.1	Operate Non-resettable Totalizing Meter or Alternative Method Approved by APCO	N	1/1/2012
9-7-504.2	Retain Fuel Use Data and Higher Heating Value	N	1/1/2012
9-7-601	Determination of NOx	Y	
9-7-602	Determination of CO and Stack-Gas O_2	N	
9-7-603	Compliance Determination	N	
9-7-605	Determination of Higher Heating Value	Y	
SIP Regulation 9, Rule 7	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (12/15/97)**		
9-7-301	Emission Limits- Gaseous Fuel	Y	

IV. Source-specific Applicable Requirements

Table IV-B
Source-specific Applicable Requirements
S-2 Auxiliary Boiler

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-7-301.1	Performance Standard, NOx	Y	
9-7-301.2	Performance Standard, CO	Y	
9-7-403	Initial Compliance Demonstration	Y	
9-7-502	Modified Maximum Heat Input	Y	
9-7-503	Records	Y	
9-7-503.1	§304.2 Records	Y	
9-7-503.2	Records, Curtailment	Y	
9-7-503.3	§306.3 Records	Y	
9-7-503.4	§403 Records and Record Retention	Y	
9-7-601	Determination of NOx	Y	
9-7-602	Determination of CO and Stack-Gas O_2	Y	
9-7-603	Compliance Determination	Y	
9-7-605	Determination of Higher Heating Value	Y	
BAAQMD Condition #17734			
Part 1	Allowed Fuel Specified (basis: cumulative increase and Regulation 2-1-234.3)	Y	
Part 2	Annual Fuel Use Limit (basis: cumulative increase and Regulation 2-1-234.3)	Y	
Part 3	Daily Fuel Use Limit (basis: cumulative increase and Regulation 2-1-234.3)	Y	
Part 14	Record Retention Requirement (basis: cumulative increase and Regulation 2-6-501)	Y	
Part 23	Source Test Requirements (basis: 2-6-409.2, 2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV-C
Source-specific Applicable Requirements
S-3 Natural Gas Preheater Furnace

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gases - Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations	Y	
BAAQMD Condition #17734			
Part 1	Allowed Fuel Specified (basis: cumulative increase and Regulation 2-1-234.3)	Y	
Part 2	Annual Fuel Use Limit (basis: cumulative increase and Regulation 2-1-234.3)	Y	
Part 3	Daily Fuel Use Limit (basis: cumulative increase and Regulation 2-1-234.3)	Y	
Part 14	Record Retention Requirement (basis: cumulative increase and Regulation 2-6-501)	Y	

IV. Source-specific Applicable Requirements

Table IV-D
Source-specific Applicable Requirements
S-16 Sulfur Storage Tank, T-2
S-17 Sulfur Storage Tank, T-14
S-18 Sulfur Storage Tank, T-12
S-50 Sulfur Storage Tank, T-16

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #17734			
Part 5	Daily sulfur throughput limit (basis: cumulative increase and Regulation 2-1-234.3)	Y	
Part 10	Annual sulfur throughput limit (basis; cumulative increase and Regulation 2-1-234.3)	Y	
Part 15	Record Retention Requirement (basis: cumulative increase and Regulation 2-6-501)	Y	

Table IV-E
Source-specific Applicable Requirements
S-19 Alky Tank, T-1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (7/9/08)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.1	Reporting requirement for periods of inoperation > 24 hours	Y	
1-523.2	Limit on duration of inoperation	Y	
1-523.3	Reporting requirement for violations of any applicable limits	N	
1-523.4	Records of inoperation, tests, calibrations, adjustments, & maintenance	Y	
1-523.5	Maintenance and Calibration	N	

IV. Source-specific Applicable Requirements

Table IV-E
Source-specific Applicable Requirements
S-19 Alky Tank, T-1

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)**		
1-523.3	Violations	Y	
BAAQMD Condition #17734			
Part 6	Daily alkylation acid use limit (basis: cumulative increase and Regulation 2-1-234.3)	Y	
Part 11	Annual alkylation acid use limit (basis: cumulative increase and Regulation 2-1-234.3)	Y	
Part 15	Record Retention Requirement (basis: cumulative increase and Regulation 2-6-501)	Y	
Part 16	Organic emissions controlled by S-1 or A-2 and A-5. (basis: cumulative increase)	Y	
Part 17a	Properly maintain and keep in good operating condition A-2 and A-5. pH of scrubbing liquid requirement. (basis: cumulative increase)	Y	
Part 18	Visible emissions monitoring for flare, A-5 (basis: Regulation 2-6-503)	Y	
Part 19	Flare flame failure alarm (basis: Regulation 2-6-503)	Y	
Part 20	Records of visible emissions checks, etc (basis: Regulation 2-6-501)	Y	
Part 21	Daily operating time records (basis: cumulative increase)	Y	
Part 24	Recordkeeping for pH monitoring (basis: 2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV-F
Source-specific Applicable Requirements
S-20 Alky Tank, T-3

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (7/9/08)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.1	Reporting requirement for periods of inoperation > 24 hours	Y	
1-523.2	Limit on duration of inoperation	Y	
1-523.3	Reporting requirement for violations of any applicable limits	N	
1-523.4	Records of inoperation, tests, calibrations, adjustments, & maintenance	Y	
1-523.5	Maintenance and Calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523.3	Violations	Y	
BAAQMD Condition #17734			
Part 7	Daily sulfuric acid use limit (basis: cumulative increase and Regulation 2-1-234.3)	Y	
Part 12	Annual sulfuric acid use limit (basis; cumulative increase and Regulation 2-1-234.3)	Y	
Part 15	Record Retention Requirement (basis: cumulative increase and Regulation 2-6-501)	Y	
Part 16	Organic emissions controlled by S-1 or A-2 and A-5. (basis: cumulative increase)	Y	
Part 17a	Properly maintain and keep in good operating condition A-2 and A-5. pH of scrubbing liquid requirement. (basis: cumulative increase)	Y	
Part 18	Visible emissions monitoring for flare, A-5 (basis: Regulation 2-6-503)	Y	
Part 19	Flare flame failure alarm (basis: Regulation 2-6-503)	Y	
Part 20	Records of visible emissions checks, etc (basis: Regulation 2-6-501)	Y	
Part 21	Daily operating time records (basis: cumulative increase)	Y	
Part 24	Recordkeeping for pH monitoring (basis: 2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV-G
Source-specific Applicable Requirements
S-30 Gasoline Dispensing Island

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 (11/6/02)**		
8-7-301	Phase I Requirements	Y	
8-7-301.1	Requirement for CARB Phase I System	Y	
8-7-301.2	Installation of Phase I Equipment per CARB Requirements	Y	
8-7-301.3	Submerged Fill Pipes	Y	
8-7-301.5	Maintenance of Phase I Equipment per Manufacturers Guidelines or CARB Executive Order	Y	
8-7-301.6	Leak-Free, Vapor-Tight	Y	
8-7-301.7	Poppetted Drybreaks	Y	
8-7-301.8	No Coaxial Phase 1	Y	
8-7-301.9	CARB-Certified Anti-Rotational Coupler or Swivel Adapter	Y	
8-7-301.10	System Vapor Recovery Rate	Y	
8-7-301.11	CARB-Certified Spill Box	Y	
8-7-301.12	Drain Valve Permanently Plugged	Y	
8-7-301.13	Compliance with vapor tight standards	Y	
8-7-302	Phase II Requirements	Y	
8-7-302.1	Requirement for CARB Certified Phase II System	Y	
8-7-302.2	Maintenance of Phase II System per CARB Requirements	Y	
8-7-302.3	Maintenance of All Equipment as Specified by Manufacturer	Y	
8-7-302.4	Repair of Defective Parts Within 7 Days	Y	
8-7-302.5	Leak-Free, Vapor-Tight	Y	
8-7-302.6	Insertion Interlocks	Y	
8-7-302.7	Built-In Vapor Check Valve	Y	
8-7-302.8	Minimum Liquid Removal Rate	Y	
8-7-302.9	Coaxial Hose	Y	
8-7-302.10	Galvanized Piping or Flexible Tubing	Y	
8-7-302.11	ORVR Compatible	Y	

IV. Source-specific Applicable Requirements

Table IV-G
Source-specific Applicable Requirements
S-30 Gasoline Dispensing Island

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-302.12	Liquid Retainment Limit	Y	
8-7-302.13	Spitting Limit	Y	
8-7-302.14	Conduct Backpressure testing	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 Requirements	Y	
8-7-313	Requirements for New or Modified Phase II Installations	Y	
8-7-316	Pressure Vacuum Valve Requirement, Aboveground Storage Tanks and Vaulted Below-Grade Storage Tanks	Y	
8-7-406	Testing Requirements, New and Modified Installations	Y	
8-7-407	Periodic Testing Requirements	Y	
8-7-408	Periodic Testing Notification and Submission Requirements	Y	
8-7-501	Burden of Proof	Y	
8-7-502	Right of Access	Y	
8-7-503	Record Keeping Requirements	Y	
BAAQMD Condition #7523			
Part 1	Annual Fuel Throughput Limit: This facility's annual gasoline throughput shall not exceed 400,000 gallons in any consecutive 12-month period. (Basis: Toxic Risk Policy)	Y	

IV. Source-specific Applicable Requirements

Table IV-G
Source-specific Applicable Requirements
S-30 Gasoline Dispensing Island

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #17817			
Part 1	Record Retention Requirement (Basis: cumulative increase, BAAQMD Regulation 2-6-501, Toxic Risk Policy, and 8-7-503)	Y	

Table IV-H
Source-specific Applicable Requirements
S-51 Oleum Storage Tank, T-19

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann Number 1 Limitation	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gases – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
9-1-502	Emission Monitoring Requirements	Y	
9-1-601	Sampling and Analysis of Gas Streams	Y	
9-1-603	Averaging Times	Y	
Regulation 12, Rule 10	**Miscellaneous Standards of Performance, Oleum Transfer Operations (8/3/94)**		

IV. Source-specific Applicable Requirements

Table IV-H
Source-specific Applicable Requirements
S-51 Oleum Storage Tank, T-19

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
12-10-301	Operating Requirements	N	
12-10-301.1	Conduct oleum transfers in strict accordance with the facility's Oleum Transfer Procedure	N	
12-10-301.2	A qualified operator shall conduct the transfer	N	
12-10-301.3	An oleum transfer checklist shall be completed for each transfer and signed by a qualified operator upon completion of the transfer	N	
12-10-302	Secondary Containment Requirement	N	
12-10-401	Oleum Transfer Procedure Requirements	N	
BAAQMD Condition #13337			
Part 1	Annual oleum sulfuric acid material throughput limit (basis: cumulative increase and Regulation 2-1-234.3)	Y	
Part 3	Fugitive particulate emissions not to exceed Ringelmann No. 0.5 (basis: Regulation 1-301, cumulative increase, Public Nuisance)	Y	
Part 4	Oleum sulfuric acid material with free SO_3 throughput and storage limit (basis: cumulative increase)	Y	
Part 5	Oleum sulfuric acid material with sulfuric acid throughput and storage limit (basis: cumulative increase)	Y	
Part 7a	SO_2 emissions limit (basis: cumulative increase)	Y	
Part 7b	SO_3 emissions limit (basis: cumulative increase)	Y	
Part 7c	Sulfuric acid emissions limit (basis: cumulative increase)	Y	
Part 9	While oleum sulfuric acid material is stored, S-51 shall be abated by A-16 or A-17 (basis: BACT)	Y	
Part 11	Record Retention Requirement (basis: cumulative increase, Regulation 2-6-501)	Y	
Part 13	Daily oleum throughput limit (basis; cumulative increase and Regulation 2-1-234.3)	Y	
Part 15	Monthly records (basis; cumulative increase and Regulation 2-6-501)	Y	
Part 16	Annual source test requirement (basis: 2-6-409.2, 2-6-501)	Y	
Part 17	Control Requirement (2-1-403)	Y	
Part 18	Visible emissions check (2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV-H
Source-specific Applicable Requirements
S-51 Oleum Storage Tank, T-19

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 19	Records of visible emissions checks (2-6-503)	Y	

Table IV-I
Source-specific Applicable Requirements
S-52 Oleum Truck Loading

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter and Visible Emissions (12/5/07)**		
6-1-301	Ringelmann Number 1 Limitation	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gases – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
9-1-601	Sampling and Analysis of Gas Streams	Y	
9-1-603	Averaging Times	Y	
Regulation 12, Rule 10	**Miscellaneous Standards of Performance, Oleum Transfer Operations (8/3/94)**		
12-10-301	Operating Requirements	N	
12-10-301.1	Conduct oleum transfers in strict accordance with the facility's Oleum Transfer Procedure	N	
12-10-301.2	A qualified operator shall conduct the transfer	N	
12-10-301.3	An oleum transfer checklist shall be completed for each transfer and signed by a qualified operator upon completion of the transfer	N	
12-10-302	Secondary Containment Requirement	N	

IV. Source-specific Applicable Requirements

Table IV-I
Source-specific Applicable Requirements
S-52 Oleum Truck Loading

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
12-10-401	Oleum Transfer Procedure Requirements	N	
12-10-501	Records	N	
BAAQMD Condition #13337			
Part 2	Annual oleum sulfuric acid throughput limit (basis: cumulative increase and Regulation 2-1-234.3)	Y	
Part 3	Fugitive particulate emissions not to exceed Ringelmann No. 0.5 (basis: Regulation 1-301, cumulative increase, Public Nuisance)	Y	
Part 4	Oleum sulfuric acid material with free SO_3 throughput and storage limit (basis: cumulative increase)	Y	
Part 5	Oleum sulfuric acid material with sulfuric acid throughput and storage limit (basis: cumulative increase)	Y	
Part 6	No loading of rail cars only trucks (basis: cumulative increase)	Y	
Part 8a	SO_2 emissions limit (basis: cumulative increase)	Y	
Part 8b	SO_3 emissions limit (basis: cumulative increase)	Y	
Part 8c	Sulfuric acid emissions limit (basis: cumulative increase)	Y	
Part 10	While loading operations occur at S-52,the oleum sulfuric acid shall be routed to and abated by A-17 or A-16 (basis: BACT)	Y	
Part 12	Record Retention Requirement (basis: cumulative increase, Regulation 2-6-501)	Y	
Part 14	Daily oleum throughput limit (basis; cumulative increase and Regulation 2-1-234.3)	Y	
Part 15	Monthly records (basis; cumulative increase and Regulation 2-6-501)	Y	
Part 16	Annual source test requirement (basis: 2-6-409.2, 2-6-501)	Y	
Part 17	Control Requirement (2-1-403)	Y	
Part 18	Visible emissions check (2-6-503)	Y	
Part 19	Records of visible emissions checks (2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV-J
Source-specific Applicable Requirements
S-54 Alky Sulfuric Acid and Lubricant Spent Acid Process Tank, T-360

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (10/18/06)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, 3 day prior written notice	N	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	N	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service, Vapor recovery-equipped tanks	N	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	N	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-112.1	Limited Exemption, Tanks in Operation, Tank in compliance prior to and after start of work. Certified per 8-5-404	N	
8-5-112.2	Limited Exemption, Tanks in Operation, Compliance with all applicable requirements when 8-5-112.1 notification is made	N	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	N	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	N	
8-5-112.5	Limited Exemption, Notice of non-compliance while tank out of service	N	
8-5-112.6	Limited Exemption, Record duration of exemption, activity performed, standards which required an exemption, actions taken to minimize emissions	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-307	Requirements for Fixed Roof Tanks, Pressure Tanks and Blanketed Tanks	N	
8-5-307.2	Must maintain working pressures at all times	N	
8-5-328	Tank Degassing Requirements	N	

IV. Source-specific Applicable Requirements

Table IV-J
Source-specific Applicable Requirements
S-54 Alky Sulfuric Acid and Lubricant Spent Acid Process Tank, T-360

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-328.1	Tanks > 75m3, degassing controlled with an abatement device	N	
8-5-328.2	Degassing on days where ozone above standards	N	
8-5-328.3	Notify APCO before degassing	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-331.1	Cleaning agents must have a BP greater than 302 deg F	N	
8-5-331.3	Steam cleaning	N	
8-5-501	Records	N	
8-5-501.1	Store Tank Storage Records for 24 Months	Y	
8-5-501.3	Store Records, Reports Required by this Rule for 24 Months	N	
8-5-502	Source Test Requirements	N	
SIP Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (6/5/03)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, 3 day prior written notice	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service, Vapor recovery-equipped tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Comply with Tank Degassing Requirements per 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notify APCO before and after commencing work.	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to commencing of work	Y	

IV. Source-specific Applicable Requirements

Table IV-J
Source-specific Applicable Requirements
S-54 Alky Sulfuric Acid and Lubricant Spent Acid Process Tank, T-360

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tanks between 75m3 to 150m3	Y	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	
8-5-328	Tank Degassing Requirements, Tanks > 75m3	Y	
8-5-501	Records	Y	
8-5-501.1	Store Tank Storage Records for 24 Months	Y	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-328.1.2	Y	
BAAQMD Condition #17906			
Part 1	Annual lube spent acid use limit (basis: cumulative increase and Regulation 2-1-234.3)	Y	
Part 3	Annual spent alky sulfuric acid throughput limit (basis: cumulative increase and Regulation 2-1-234.3)	Y	
Part 4	Allowed material specified (basis: cumulative increase and Regulation 2-1-234.3)	Y	
Part 6	Control requirements (basis: cumulative increase, Regulation 2-1-234.3)	Y	
Part 8	Record Retention Requirement (basis: cumulative increase and Regulation 2-6-501)	Y	
Part 12	All valves subject to Regulation 8-18	Y	
Part 13	Daily lube spent acid use limit (basis: cumulative increase and Regulation 2-1-234.3)	Y	

IV. Source-specific Applicable Requirements

Table IV-K
Source-specific Applicable Requirements
S-55 Lube Spent Acid Truck Receiving Facility

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (7/20/05)**		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Condition #17906			
Part 2	Annual lube spent acid use limit (basis: cumulative increase and Regulation 2-1-234.3)	Y	
Part 5	Allowed material specified (basis: cumulative increase and Regulation 2-1-234.3)	Y	
Part 7	Control requirements (basis: cumulative increase, Regulation 2-1-234.3)	Y	
Part 9	Record Retention Requirement (basis: cumulative increase and Regulation 2-6-501)	Y	
Part 10	Only the contents of truck vessels shall be received (unloaded) at S-55 (basis: cumulative increase and BAAQMD Regulation 2-1-234.3)	Y	
Part 12	All valves subject to Regulation 8-18	Y	
Part 14	Daily lube spent acid use limit (basis: cumulative increase and Regulation 2-1-234.3)	Y	

Table IV-L
Source-specific Applicable Requirements
S-56 Standby Diesel Fire Pump Engine

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		

IV. Source-specific Applicable Requirements

Table IV-L
Source-specific Applicable Requirements
S-56 Standby Diesel Fire Pump Engine

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-1-303	Ringelmann Number 2 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-303	Ringelmann Number 2 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants-Nitrogen Oxides from Stationary Engines (7/25/07)**		
9-8-110.5	Limited Exemption Emergency Standby Engines	N	
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-330.1	Unlimited hours for emergency use	N	
9-8-330.2	100 hours for reliability and maintenance (Effective Until 1/1/2012)	N	
9-8-330.3	50 hours for reliability and maintenance	N	1/1/2012
Section 93115, title 17, CCR	**Airborne Toxic Control Measure for Stationary Compression Ignition Engines**		
93115.5(a)	Fuel Requirements	N	
93115.6(a)(3)(A)	PM Emission Standards & Maximum Hours of Operation for Maintenance and Testing	N	
93115.6(3)(a)(B)	Applicable Emissions Standards for HC, NO_x, NMHC+NO_x, and CO	N	
93115.10	Recordkeeping, Reporting and Monitoring Requirements	N	
93115.10(a)	Reporting	N	

IV. Source-specific Applicable Requirements

Table IV-L
Source-specific Applicable Requirements
S-56 Standby Diesel Fire Pump Engine

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
93115.10(c)	Demonstration of Compliance with Emission Limits	N	
93115.10(e)	Monitoring Equipment	N	
93115.10(g)	Reporting/Record Requirements	N	
93115.10(g)(1)	Monthly Log: Data Required	N	
93115.10(g)(2).	Data Log Retention	N	
93115.15	Severability	N	
CFR 60 Subpart IIII	**Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (7/11/2006)**		
60.4200	Applicability	Y	
60.4200(a)	Applicable to owners/operators of stationary compression ignition (CI) internal combustion engines (ICE)	Y	
60.4200(a)(2)	Stationary CI ICE that were constructed after 7/11/2005 where	Y	
60.4200(a)(2)(ii)	Manufactured as a certified NFPA fire pump engine after 7/1/2006	Y	
60.4205	Emission standards for emergency stationary CI ICE	Y	
60.4205(c)	Fire pump engines with displacement less than 30 l per cylinder must meet emission standards in Table 4 for all pollutants	Y	
60.4206	Meet Table 4 emission standards for the life of the engine	Y	
60.4207	Fuel requirements for stationary CI ICE	Y	
60.4207(a)	Use diesel fuel that meets the requirements of 40 CFR 80.510(a)	Y	
60.4207(b)	Use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel	Y	10/1/2010
60.4209	Monitoring requirements for stationary CI ICE	Y	
60.4209(a)	Install a non-resettable hour meter prior to the startup of an emergency engine	Y	
60.4211(a)	Operate and maintain stationary CI ICE and control device per manufacturer's written instructions.	Y	
60.4211(b)	Methods to Demonstrate Compliance	Y	

IV. Source-specific Applicable Requirements

Table IV-L
Source-specific Applicable Requirements
S-56 Standby Diesel Fire Pump Engine

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.4211(e)	Operation for maintenance and readiness checks are limited to 100 hours per year. No limit on emergency use. Any operation other than for maintenance, readiness checks, or emergencies is prohibited.	Y	
60.4212	Test method requirements for stationary compression ignition ICE	Y	
60.4214	Notification, reporting, and recordkeeping requirements for stationary CI ICE	Y	
60.4214(b)	Initial notification is not required for emergency engines.	Y	
40 CFR 63 Subpart ZZZZ	**NESHAPS for Stationary Reciprocating Internal Combustion Engines (1/18/2008)**		
63.6585	Applicability	Y	
63.6585(a)	Applicable to stationary RICE; and	Y	
63.6585(c)	Applicable to area source of HAPs	Y	
63.6590(a)	Affected source is any existing, new, or reconstructed stationary RICE located at major source of HAP emissions	Y	
63.6590(a)(2)	A New stationary RICE is:	Y	
63.6590(a)(2)(iii)	Stationary RICE located at area source of HAP emissions, constructed on or after 6/12/2006	Y	
63.6590(c)	Stationary RICE subject to 40 CFR 60 Subpart IIII for compression ignition engines because it is a new emergency RICE located at an area source.	Y	
BAAQMD Condition #22850			
part 1	50 hours/year for maintenance and testing. (Stationary Diesel Engine ATCM" section 93115.6 (a) or (b), title 17 CCR, Regulation 2, Rule 5)	N	
part 2	Unlimited Emergency Use, (Stationary Diesel Engine ATCM" section 93115.6 (a) or (b), title 17 CCR)	N	
part 3	Totalizing Meter, (Stationary Diesel Engine ATCM" section 93115.10(e), title 17 CCR)	N	

IV. Source-specific Applicable Requirements

Table IV-L
Source-specific Applicable Requirements
S-56 Standby Diesel Fire Pump Engine

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
part 4	Recordkeeping, (Stationary Diesel Engine ATCM" section 93115.10(g), title 17 CCR, Regulation 2-6-501)	N	
part 5	Near School Conditions, (Stationary Diesel Engine ATCM" section 93115.6(a) or (b), title 17 CCR)	N	

Table IV-M
Source-specific Applicable Requirements
S-57 Sulfuric Acid Cleaning Operation

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 2, Rule 1	**General Requirements (3/4/09)**		
2-1-220	Portable Equipment	N	
BAAQMD Regulation 8, Rule 5	**Organic Compounds – Storage of Organic Liquids (10/18/06)**		
8-5-331.1	VOC Content Requirements for Tank Cleaning Agents	N	
8-5-332	Sludge Handling Requirements	N	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)**		
9-1-302	General Emission Limitation	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Condition #24537			
Part 1	Hours of operation (basis: cumulative increase)	N	

IV. Source-specific Applicable Requirements

Table IV-M
Source-specific Applicable Requirements
S-57 Sulfuric Acid Cleaning Operation

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Proper maintenance and good operating condition (basis: cumulative increase)	N	
Part 3	Pressure gauge requirement for Venturi scrubber (basis: cumulative increase)	N	
Part 4	Scrubbing solution throughput requirement for Venturi scrubber (basis: cumulative increase)	N	
Part 5	Pressure gauge requirement for packed column scrubber (basis: cumulative increase)	N	
Part 6	Scrubbing solution throughput requirement for packed column scrubber (basis: cumulative increase)	N	
Part 7	pH meter requirement (basis: cumulative increase)	N	
Part 8	Scrubber solution pH limit (basis: cumulative increase)	N	
Part 9	Record Retention Requirement (basis: cumulative increase)	N	
Part 10	Abatement requirement (basis: Regulation 2-1-403, Regulation 8-5-328)	N	
Part 11	VOC content requirement for tank cleaning agents (basis: Regulation 8-5-331.1)	N	
Part 12	Emissions limit (basis: Regulation 9-1-302)	N	
Part 13	Compliance with sludge handling requirements during operation (basis: Regulation 8-5-332)	N	
Part 14	Portable Equipment Requirements (basis: Regulation 2-1-413)	N	

V. 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.

VI. PERMIT CONDITIONS

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

Condition #7523
For S-30 Gasoline Dispensing Island

1. Pursuant to BAAQMD Toxic Section Policy, the owner/operator shall ensure that this facility's annual gasoline throughput does not exceed 400,000 gallons in any consecutive 12-month period.
   (Basis: BAAQMD Regulation Toxic Risk Policy)

Condition #13337
For S-51 Oleum Storage Tank
S-52 Oleum Truck Loading Operation

1. The owner/operator shall ensure that the total amount of oleum sulfuric acid material (sulfuric acid with an acid strength of more than 99 percent by weight) throughput at S-51 does not exceed 73,000 tons in any rolling 12 consecutive month period. (Basis: cumulative increase)

2. The owner/operator shall ensure that the total amount of oleum sulfuric acid material (sulfuric acid with an acid strength of more than 99 percent by weight) transferred at S-52 does not exceed 73,000 tons in any rolling 12 consecutive month period. (Basis: cumulative increase)

VI. Permit Conditions

3. The owner/operator shall ensure that fugitive particulate emissions from each of S-51 and S-52 does not exceed Ringelmann 0.5 or result in fallout on adjacent property in such quantities which cause a public nuisance. (Basis: BAAQMD Regulation 1-301, cumulative increase, Public Nuisance)

4. The owner/operator shall ensure that no oleum sulfuric acid material which has/is greater than 30 percent free SO3 is throughput to or stored at S-51 or transferred at S-52. (Basis: cumulative increase)

5. The owner/operator shall ensure that no oleum sulfuric acid material which is greater than 106.75 percent equivalent sulfuric acid is throughput to or stored at S-51 or transferred at S-52 without prior written authorization from the District. (Basis: cumulative increase)

6. The owner/operator shall ensure that no loading of rail cars occurs at S-52 and that only truck vessels receive oleum materials at S-52. (Basis: cumulative increase)

7. The owner/operator shall meet the following emission limits that apply to S-51 abated by A-16 or A-17:

   A. SO2 emissions at the exit gas emission point for S-51 (P-6 if S-51 is abated by A-16 or P-7 if S-51 is abated by A-17) shall not exceed 0.416 pound in any hour nor shall SO2 emissions at this emission point exceed 0.416 pound per 60 minutes as averaged over any time period greater than one hour in length.

   B. SO3 emissions at the exit gas emission point for S-51 (P-6 if S-51 is abated by A-16 or P-7 if S-51 is abated by A-17) shall not exceed 0.5 pound in any hour nor shall SO3 emissions at this emission point exceed 0.5 pound per 60 minutes as averaged over any time period greater than one hour in length.

   C. Sulfuric acid emissions at the exit gas emission point of S-51 (P-6 if S-51 is abated by A-16 or P-7 if S-51 is abated by A-17) shall not exceed 0.558 pound in any hour nor shall sulfuric acid emissions at this emission point exceed 0.558 pound per 60 minutes as averaged over any time period greater than one hour in length. (Basis: cumulative increase)

8. The owner/operator shall meet the following emission limits that apply to S-52 abated by A-16 or A-17:

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A. SO2 emissions at the exit gas emission point for S-52 (P-6 if S-52 is abated by A-16 or P-7 if S-52 is abated by A-17) shall not exceed 4.0 (four) pounds in any hour as measured during truck loading operations at S-52 nor shall SO2 emissions at this emission point exceed 2 pounds in any 30 minute time period as averaged over any time period greater than or equal to 30 minutes in length.

B. SO3 emissions at the exit gas emission point for S-52 (P-6 if S-51 or S-52 is abated by A-16 or P-7 if S-51 or S-52 is abated by A-17) shall not exceed 0.5 pound in any hour nor shall SO3 emissions at this emission point exceed 0.5 pound per 60 minutes as averaged over any time period greater than one hour in length.

C. Sulfuric acid emissions at the exit gas emission point of S-52 (P-6 if S-52 is abated by A-16 or P-7 if S-52 is abated by A-17) shall not exceed 0.746 pound in any hour nor shall sulfuric acid emissions at this emission point exceed 0.746 pound per 60 minutes as averaged over any time period greater than one hour in length. (Basis: cumulative increase)

9. At all times that S-51 stores or contains oleum sulfuric acid materials (sulfuric acid with an acid strength of more than 99 percent by weight), the owner/operator shall ensure that S-51 is abated by A-16 Oleum Storage Tank Vent Scrubber: Brink Type Mist Eliminator, Vent Capacity: 200 cfm OR A-17 Oleum Storage Tank Vent Scrubber: Brink Type Mist Eliminator, Vent Capacity: 200 cfm for abatement. The vapor space at S-51 may or may not be vented through the vapor space at S-10 Sulfuric Acid 99% Tank (T-7) prior to being routed to A-16 Oleum Storage Tank Vent Scrubber: Brink Type Mist Eliminator, Vent Capacity: 200 cfm OR A-17 Oleum Storage Tank Vent Scrubber: Brink Type Mist Eliminator, Vent Capacity: 200 cfm for abatement.
(Basis: BACT)

10. At all times that loading operations occur at S-52, the owner/operator shall ensure that the fluids displaced from the vapor space of the vessel receiving the oleum sulfuric acid material (sulfuric acid with an acid strength of more than 99 percent by weight) is routed to and abated by A-17 Oleum Storage Tank Vent Scrubber: Brink Type Mist Eliminator, Vent Capacity: 200 cfm OR A-16 Oleum Storage Tank Vent Scrubber: Brink Type Mist Eliminator, Vent Capacity: 200 cfm. (Basis: cumulative increase)

11. The owner/operator of S-51 shall maintain a District approved log indicating, for each month, the total amount of oleum sulfuric acid material (sulfuric acid with an acid strength of more than 99 percent by weight) throughput to S-51, in ton units.

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This log shall be retained for at least five years from the date of entry. This log shall be kept on site and made available to the District staff upon request. (Basis: cumulative increase, BAAQMD Regulation 2-6-501)

12. The owner/operator of S-52 shall maintain a District approved log indicating the total amount, for each month, of oleum sulfuric acid material (sulfuric acid with an acid strength of more than 99 percent by weight) transferred into truck vessels at S-52, in ton units. This log shall be retained for at least five years from the date of entry. This log shall be kept on site and made available to the District staff upon request. (Basis: cumulative increase, BAAQMD Regulation 2-6-501)

13. The owner/operator shall ensure that the monthly average throughput of oleum at S-51 does not exceed 300 tons per calendar day. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

14. The owner/operator shall ensure that the monthly average throughput of oleum at S-52 does not exceed 300 tons per calendar day. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

15. The owner/operator shall maintain monthly records of throughputs of any material at S-51 and S-52 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)

16. In order to demonstrate compliance with the above emission limit conditions, the owner/operator shall perform a source test every five years to measure the SO2, SO3, and sulfuric acid from S-51 and S-52 unless no materials are stored or loaded at these sources during the Title V permit term. The owner/operator shall obtain approval for all test procedures from the District's Source Test Section at least 7 days before conducting any tests. The results of this periodic source test shall be submitted to the District within 30 days of conducting the test. The source test data and the summarized results shall be kept on site for at least five years after the test date. (basis: BAAQMD Regulation 2-6-409.2, 2-6-501)

17. The owner/operator shall ensure that particulate matter emissions during loading operations from S-51 and S-52 are controlled by A-16 or A-17. (basis: Regulation 2-1-403)

18. The owner/operator shall check S-51 and S-52 for visible emissions at the exit of A-16 and A-17 on a quarterly basis. If any visible emissions are detected by an untrained observer, the owner/operator shall take corrective action to eliminate any

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visible emissions and check for visible emissions again during the next loading event with an untrained observer. If visible emissions cannot be eliminated, the owner/operator shall perform a certified visible emissions evaluation in accordance with BAAQMD Regulation 6-601 to determine compliance with part 3 of this condition and BAAQMD 6-301. All visible emissions observations (both certified and uncertified) shall take place

while the equipment is operating and during daylight hours. If no visible emissions are detected, the operator shall continue to check for visible emissions every quarter. Any non-compliance shall be reported in accordance with Standard Condition I.F. (basis: Regulation 2-6-503)

19. The owner/operator shall keep records of all visible emissions checks, the person performing the check, and all corrective actions performed on A-16 and A-17, mist eliminators. The records shall be retained for five (5) years and shall be made available to District personnel upon request. (basis: Regulation 2-6-503)

Condition #17734

For S-1 Sulfuric Acid Plant
S-2 Auxiliary Boiler
S-3 Natural Gas Preheater Furnace
S-16 Sulfur Storage Tank, T-2
S-17 Sulfur Storage Tank, T-14
S-18 Sulfur Storage Tank, T-12
S-19 Alky Tank, T-1
S-20 Alky Tank, T-2
S-50 Sulfur Storage Tank, T-16
A-2 Packed Bed Scrubber
A-5 Flare

Fuel Usage Conditions:

1. The owner/operator shall ensure that S-2 and S-3 burn only natural gas. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

2. The owner/operator shall ensure that the combined natural gas usage at S-2 and S-3 does not exceed 978,200,000 standard cubic feet during any consecutive 12-month period. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

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3. The owner/operator shall ensure that the combined monthly average natural gas usage at S-2 and S-3 does not exceed 2,700,000 standard cubic feet per calendar day. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

Condition #17734

Daily Material Throughput Conditions:

4. The owner/operator shall ensure that the monthly average production of sulfuric acid at S-1 does not exceed 1834 tons per calendar day. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

5. The owner/operator shall ensure that the monthly average throughput of sulfur at S-16, S-17, S-18, and S-50 does not exceed 888 long tons per calendar day. Note: A long ton equals 2240 pounds. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

6. The owner/operator shall ensure that the monthly average throughput of alkylation acid at S-19 does not exceed 960 tons per calendar day. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

7. The owner/operator shall ensure that the monthly average throughput of alkylation acid at S-20 does not exceed 960 tons per calendar day. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

8. (Deleted; S-38 removed from service)

Annual Material Throughput Conditions:

9. The owner/operator shall ensure that the production of sulfuric acid at S-1 does not exceed 629,062 tons in any consecutive 12-month period. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

10. The owner/operator shall ensure that the throughput of sulfur at S-16, S-17, S-18, and S-50 does not exceed 324,000 long tons in any consecutive 12-month period. Note: A long ton equals 2240 pounds. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

11. The owner/operator shall ensure that the throughput of alkylation acid at S-19 does not exceed 267,351 tons in any consecutive 12-month period. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

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12. The owner/operator shall ensure that the throughput of alkylation acid at S-20 does not exceed 267,351 tons in any consecutive 12-month period. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

13. (Deleted; S-38 removed from service)

Recordkeeping Conditions:

14. The owner/operator shall maintain monthly records of all fuel usage at S-2 in a District-approved log. 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)

15. The owner/operator shall maintain monthly records of material throughputs at S-1, S-16, S-17, S-18, S-19, S-20, and S-50 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)

Flare, Packed Bed Scrubber, and Venturi Scrubber Conditions:

16. The owner/operator shall ensure that organic and sulfuric acid emissions from S-19 and S-20 are controlled by S1, Sulfuric Acid Plant. The owner/operator shall ensure that organic emissions from S-19 and S-20 are controlled by A-2, packed bed scrubber, and A-5, flare, during all periods that S1 is not operating. [basis: cumulative increase]

17a. The owner/operator shall ensure that Packed bed scrubber, A-2, and Flare, A-5, are properly maintained and kept in good operating condition when in operation. In no event shall the pH of the scrubbing liquid of A-2 be less than 5 nor greater than 14, when S-19 and/or S-20 are vented to the scrubber.

17b. The owner/operator shall ensure that Ammonia scrubber, A-11 is properly maintained and kept in good operating condition at all times. In no event shall the pH of the scrubbing liquid of A-11 be less than 3.5 nor greater than 14, when S-1 is in operation. [basis: cumulative increase]

18. The owner/operator of A-5, flare, shall check the flare for visible emissions at least once each time that the flare is operated. If any visible emissions are detected, the owner/operator shall take corrective action, and check for visible emissions during the next time the flare is operated. If no visible emissions are detected, the owner/operator shall continue to check for visible emissions at least once each time the flare is operated. (basis: Regulation 2-6-503)

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19. Whenever organic gases are routed to A-5, flare, the owner/operator shall ensure that the flare flame is lit. The owner/operator of A-5 shall maintain an alarm system that will immediately signal to the operator any flare flame failure. Upon the detection of a flame failure, the owner/operator shall take corrective action, prior to resuming the routing of organic gases to the flare. (basis: Regulation 2-6-503)

20. The owner/operator shall keep records of all visible emissions checks, the person performing the check, all flare flame failures, and all corrective actions taken on A-5, flare. The records shall be retained for five (5) years and shall be made available to District staff upon request. (basis: Regulation 2-6-503)

21. To determine compliance, the owner/operator of this source shall maintain the following data on a daily basis:
    a. Operating times of S-19 and S-20.
    Records shall be available for District inspection for a period of at least five years following the date on which such data or reports are recorded or made. [basis: cumulative increase]

Source Test Conditions

22. In order to demonstrate compliance with BAAQMD Regulation 6-1-310, 6-1-311, 6-1-320, BAAQMD Regulation 12-6-301, Acid Mist, and the standard in 40 CFR 60.31d of sulfuric acid manufacturing plant, S-1, the owner/operator shall perform an annual source test at the exhaust from A-11. The owner/operator shall obtain approval for all test procedures from the District's Source Test Section at least 7 days before conducting any tests. The results of this annual source test shall be submitted to the District within 30 days of conducting the test. The source test data and the summarized results shall be kept on site for at least five years after the test date. (basis: BAAQMD Regulation 2-6-409.2, 2-6-503)

23. In order to demonstrate compliance with BAAQMD Regulation 9-7, the owner/operator shall perform a NOx and CO source test of Source 2, auxiliary boiler, at least every 5 years. The owner/operator shall obtain approval for all test procedures from the District's Source Test Section at least 7 days before conducting any tests. The results of this annual source test shall be submitted to the District within 30 days of conducting the test. The source test data and the summarized results shall be kept on site for at least five years after the test date. (basis: BAAQMD Regulation 2-6-409.2, 2-6-503)

24. In order to demonstrate compliance with part 17 of this condition, the owner/operator shall record the pH of scrubbers A-2 and A-11 on a daily basis when each scrubber is

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operating. The pH data shall be kept on site for at least five years after the date that a record is made. (basis: BAAQMD Regulation 2-6-503)

Consent Decree Condition
For S-1 Sulfuric Acid Plant

25. As of July 1, 2007, the sulfuric acid plant is considered an "affected facility" under NSPS (40 CFR Part 60) Subparts A and H and the owner/operator shall comply with all applicable requirements under NSPS Subparts A and H, or the Consent Decree if more stringent, as may be further modified or construed by EPA-approved Alternative Monitoring Plans (AMPs), no later than July 1, 2007. Notices and other obligations set forth in the Consent Decree shall be deemed to satisfy all applicable initial notification and compliance demonstration requirements of NSPS Subparts A and H. (Basis: Consent Decree Paragraphs 11.j, 17.e)

26. By July 1, 2008, the owner/operator shall ensure that emissions of sulfur dioxide does not exceed a "long-term limit" of 2.2 lbs per ton of 100% sulfuric acid produced (averaged over all operating hours in a rolling 365-day period). By July 1, 2007, the owner/operator shall ensure that emissions of sulfur dioxide does not exceed a "short-term limit" of 3.0 lbs per ton of 100% sulfuric acid produced (averaged over each rolling 3-hour period), except during periods of startup, shutdown and malfunction. (Basis: Consent Decree Paragraphs 7.x, 7.p, 11.b, 11.i)

27. Effective July 23, 2007, the owner/operator shall ensure that emissions of sulfuric acid mist do not exceed 0.15 lbs per ton of 100 % sulfuric acid produced. (Basis: Consent Decree Paragraph 11.k, 40 CFR 60.83(a)(1))

28. The owner/operator shall install and operate SO2 CEMS by July 1, 2007. The owner/operator shall operate CEMS during all sulfuric acid plant "Operating Hours" as defined in the Consent Decree (i.e., periods not including CEMS breakdowns, repairs, calibration checks, and zero span adjustments) to monitor and record the 3-hour arithmetic average SO2 emission rate and the SO2 emission rate (in units of lbs per ton of 100% acid produced) averaged over all operating hours in each rolling 365-day period. The owner/operator shall ensure that CEMS is installed, certified, calibrated, maintained and operated according to 40 CFR Part 60, Appendices B and F, except as otherwise provided in the Consent Decree or as provided in the facility's EPA-approved alternative monitoring plan (AMP). Where an approved AMP is in place, it shall be implemented by the owner/operator upon installation of the SO2 CEMS, and shall supersede the corresponding SO2 monitoring requirements of the NSPS and the applicable SO2 monitoring requirements of the BAAQMD (Basis: Consent Decree Paragraph 13)

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29. The owner/operator shall ensure that CEMS is operated according to best practice to minimize downtime. In the event of CEMS downtime longer than 24 hours,the owner/operator shall demonstrate compliance through the procedures outlined in the AMP. (Basis: Consent Decree Paragraph 13)

30. The owner/operator shall ensure that the emission limits and standards for SO2 and sulfuric acid mist as defined in the Consent Decree are not relaxed. (Basis: Consent Decree Paragraph 17.d)

Compliance Assurance Monitoring Condition
For S-1 Sulfuric Acid Plant

31. The pH range specified in Permit Condition 17734, part 17b shall be maintained in A-11 Ammonia Scrubber during the period exhaust vapors from S-1 are abated by A-11.[Basis: 40 CFR 64.3(a)(2)]

32. A scrubber liquid pH of less than 3.5 shall constitute an excursion. The owner/operator shall initiate an investigation of the control equipment within 24 hours for possible corrective action. If corrective action is required, the plant will proceed to implement such corrective action as soon as practicable. A pH below 3.5 in itself does not constitute a violation of the standard for PM, H2SO4, or SO3. Failure to take corrective action as soon as practicable shall constitute an excursion for the purposes of responding to excursions under 40 CFR 64.7. [Basis: 40 CFR 64.6(c)(2)]

33. The owner/operator shall analyze a sample of scrubber liquid at least once per day to determine the pH of the scrubber liquid at all times A-11 is operating, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. [Basis: 40 CFR 64.7(c)]

34. Upon detecting an excursion, the owner/operator shall restore operation of the S-1 Sulfuric Acid Plant (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include mimimizing the period of any startup, shutdown, or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary

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follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable. [Basis: 40 CFR 64.7(d)(1)

35. In addition to the general reporting requirements of this permit, all reports of excursions shall follow the format outlined in 40 CFR 64.9(a)(2). [Basis: 40 CFR 64.9(a)]

36. In addition to the general recordkeeping requirements specified in section I.F. of this permit, all recordkeeping shall follow the format outlined in 40 CFR 64.9(b). [Basis: 40 CFR 64.9(b)]

Condition #17817
For S-30 Gasoline Dispensing Island

1. The owner/operator shall maintain monthly records of throughputs of gasoline at S-30 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, Toxic Risk Policy, and 8-7-503)

Condition #17906

For S-54 Alky Sulfuric Acid and Lubricant Spent Acid Process Tank with Turbine Mixer (T-360); Stainless Steel, Capacity: 30,000 Gallons

For S-55 Tank Truck Load Receiving Facility; Receiving: Lubricant Spent Acid, Capacity: 21 ton/hr

1. The owner/operator shall ensure that the total amount of Lubricant Spent Acid (Regular, Low, and High Molecular Weight) throughput to S-54 does not exceed 100,000 tons in any rolling 12 consecutive month period. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

2. The owner/operator shall ensure that the total amount of Lubricant Spent Acid (Regular, Low, and High Molecular Weight) received at S-55 does not exceed 100,000 tons in any rolling 12 consecutive month period. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

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3. The owner/operator shall ensure that the total amount of Spent Alky Sulfuric Acid (Alky Spent Acid) throughput to S-54 does not exceed 400,000 tons in any rolling 12 consecutive month period. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

4. The owner/operator shall ensure that no material with organic component(s) or material containing or composed of organic solvent borne constituent(s) is processed through S-54 other than Lubricant Spent Acid (Regular, Low, and/or High Molecular Weight) and/or Spent Alky Sulfuric Acid (Alky Spent Acid). (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3, toxics)

5. The owner/operator shall ensure that no material with organic component(s) or material containing or composed of organic solvent borne constituent(s) is received at S-55 other than Lubricant Spent Acid (Regular, Low, and/or High Molecular Weight) and/or Spent Alky Sulfuric Acid (Alky Spent Acid). (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3, toxics)

6. The owner/operator shall ensure that all emissions containing organic constituent(s), acidic constituent(s), and/or sulfur/sulfur compound containing material(s) from S-54 operations are vented to A-2, Packed Bed Scrubber and A-5 Flare and/or S-1 Furnace for abatement at all times that S-54 is in operation and/or is a source of organic, acidic, and or sulfur/sulfur compound containing emissions. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

7. The owner/operator shall ensure that all emissions containing organic constituent(s), acidic constituent(s), and/or sulfur/sulfur compound containing material(s) from S-55 operations are vented to A-2, Packed Bed Scrubber and the A-5 Flare and/or S-1 Furnace for abatement at all times that S-55 is in operation and/or is a source of organic, acidic, and or sulfur/sulfur compound containing emissions. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

8. The owner/operator for S-54 shall maintain a District approved log indicating, for each month, the total amount of Lubricant Spent Acid (Regular, Low, and High Molecular Weight) throughput to S-54, in ton units and the total amount of Spent Alky Sulfuric Acid (Alky Spent Acid) throughput to S-54, in ton units. This log shall be retained for at least two years from the date of entry. This log shall be kept on site and made available to the District staff upon request. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

9. The owner/operator for S-55 shall maintain a District approved log indicating, for each month, the total amount of Lubricant Spent Acid (Regular, Low, and High Molecular Weight) and the total amount of Spent Alky Sulfuric Acid (Alky Spent Acid) received at S-55, in ton units. This log shall be retained for at least two years

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from the date of entry. This log shall be kept on site and made available to the District staff upon request. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

10. The owner/operator shall ensure that only the contents of truck vessels are received (unloaded) at S-55. The owner/operator shall ensure that there is no material other than Lubricant Spent Acid (Regular, Low, and/or High Molecular Weight) and/or Spent Alky Sulfuric Acid (Spent Alky Acid) received at S-55. The owner/operator shall ensure that there is no unloading of rail (road) cars at S-55. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

11. (deleted Application 25842)

12. The owner/operator shall ensure that all valves (other than remotely actuated process control valves) installed at and/or associated with the S-54 and/or S-55 project complies with the leak and repair requirements of Regulation 8, Rule 18. (basis: Regulation 8, Rule 18)

13. The owner/operator shall ensure that the monthly average throughput of lubricant spent acid at S-54 does not exceed 504 tons per calendar day. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

14. The owner/operator shall ensure that the monthly average amount received of lubricant spent acid at S-55 does not exceed 504 tons per calendar day. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

Condition #22850

1. Operating for reliability-related activities is limited to 50 hours per year per engine. [Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a)]

2. The owner or operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, state or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating hours while mitigating emergency conditions or while emission testing to show compliance with District, state or Federal emission limits is not limited.
[Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a)]

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3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained.
   [Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1)]

4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.

   a. Hours of operation for reliability-related activities (maintenance and testing).
   b. Hours of operation for emission testing to show compliance with emission limits.
   c. Hours of operation (emergency).
   d. For each emergency, the nature of the emergency condition.
   e. Fuel usage for each engine(s).

   [Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(g), or (Regulation 2-6-501)]

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

   [Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(1)]

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Condition #24537

1. The owner/operator shall ensure that S57 and A57 operate for no more than 1,320 hours per any consecutive 12-month period. (basis: Cumulative increase)

2. The owner/operator shall keep A57 properly maintained and in good operating condition at all times. (basis: Cumulative increase)

3. The owner/operator shall install and maintain a District-approved pressure gauge indicating PSIG at A57 to accurately indicate the flow rate of the solution supplied to the Venturi scrubber. The owner/operator shall record the pressure once every 8 hours. The owner/operator shall maintain records demonstrating the correlation between the pressure and flow rate of the solution supplied to the Venturi scrubber. (basis: Cumulative increase)

4. The owner/operator shall supply scrubbing solution of not less than 80 gallons per minute to the Venturi scrubber when A57 is in operation. (basis: Cumulative increase)

5. The owner/operator shall install and maintain a District-approved pressure gauge indicating PSIG to accurately indicate the flow rate of the solution recirculated in the packed column scrubber. The owner/operator shall record the pressure once every 8 hours. The owner/operator shall maintain records demonstrating the correlation between the pressure and flow rate of the solution recirculated in the packed column scrubber. (basis: Cumulative increase)

6. The owner/operator shall supply scrubbing solution of not less than 120 gallons per minute to the packed column scrubber when A57 is in operation. (basis: Cumulative increase)

7. The owner/operator shall install and maintain a District-approved pH meter and/or pH paper to accurately indicate the pH of the scrubbing solution supplied to the Venturi scrubber and recirculated in the packed column scrubber. (basis: Cumulative increase)

8. The owner/operator shall ensure that the pH of the solution supplied to the Venturi scrubber and recirculated in the packed column scrubber is maintained at 8 or higher and is recorded once every 8 hours. (basis: Cumulative increase)

9. The owner/operator of S57 and A57 shall maintain records to prove compliance with parts #1, 4, 6, and 8. The records shall be maintained for at least five years and made available to District personnel upon request. (basis: Cumulative increase)

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10. The owner/operator shall only use S57 in concert with A57 on tanks degassed in compliance with Regulation 8-5-328. (basis: Regulations 2-1-403, 8-5-328)

11. The owner/operator shall ensure that the tank interior cleaning agents used at S57 complies with the requirements in Regulation 8-5-331. The MSDS for the tank interior cleaning agents shall be made available to District personnel upon request. (basis: Regulation 8-5-331)

12. The owner/operator shall ensure that emissions from S57 are abated by A57 whenever tank cleaning is performed at degassed tanks to ensure the SO2 outlet concentration is below 300 ppmv. (basis: Regulation 9-1-302)

13. The owner/operator shall comply with the sludge handling requirements in Regulation 8-5-332 whenever S57 operates. (basis: Regulation 8-5-332)

14. S57 and A57 shall be operated in compliance with all of the following requirements:
    a. S57 and A57 shall not remain at any single location within the Bay Area for a period in excess of twelve consecutive months, following the date of initial operation. Such a period does not represent the full length of normal annual source operations, such as operations that are seasonal.
    b. S57 and A57 shall not be operated at any location within 1000 feet of any K-12 school.
    c. S57 and A57 shall emit no more than 10 tons per year of SO2.
    d. If S57 and A57 remain at any fixed location within the Bay Area for more than twelve months, the portable permit for S57 and A57 will automatically revert to a conventional permanent location permit and will lose its portability. To obtain another portable permit for S57 and A57, the owner must re-permit S57 and A57 for the next location of intended operations.
    e. The owner/operator shall inform the District Enforcement Division and Engineering Division of any change of location of S57 and A57 at least 7 days prior to the planned relocation date. In an emergency situation where the services of the owner/operator are immediately required by a client or when the owner/operator has received less than 7 days notice from a client, the owner/operator shall notify the District inspector of the relocation by telephone and in writing.

    (basis: Regulation 2-1-413)

VII. APPLICABLE 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), 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.

This section is only a summary of the limits and monitoring requirements. In the case of a conflict with any requirement in Sections I-VI, the preceding sections take precedence over Section VII.

Table VII-A
Applicable Limits and Compliance Monitoring Requirements
S-1 Sulfuric Acid Plant

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 9-1-301	Y		Ground level concentrations of SO2 shall not exceed: 0.5 ppm for 3 consecutive minutes AND 0.25 ppm averaged over 60 consecutive minutes AND 0.05 ppm averaged over 24 hours		N	None
	BAAQMD 9-1-309	Y		Gaseous emissions from any source at an H2SO4 plant shall not exceed 300 ppm SO2 @ 12% oxygen	BAAQMD 9-1-502	C	CEM

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-A
Applicable Limits and Compliance Monitoring Requirements
S-1 Sulfuric Acid Plant

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	Consent Decree Paragraphs 7.p, 7.x, 11.b			2.2 lbs per ton averaged over 365-day period and 3.0 lbs per ton averaged over 3-hour period	Consent Decree paragraph 13	C	CEM
H2SO4	BAAQMD 12-6-301	N		Gaseous emissions from an H2SO4 production unit shall not exceed 0.15 g/kg (0.3 lb/ton) of acid produced	BAAQMD Regulation 12-6-501	P/D	Daily Production Records
H2SO4	BAAQMD 12-6-301	N		Gaseous emissions from an H2SO4 production unit shall not exceed 0.15 g/kg (0.3 lb/ton) of acid produced	BAAQMD Condition #17734, parts 17 and 24	P/D	pH monitoring
H2SO4	BAAQMD 12-6-301	N		Gaseous emissions from an H2SO4 production unit shall not exceed 0.15 g/kg (0.3 lb/ton) of acid produced	BAAQMD Condition #17734, part 22	P/A	Method 8 of Appendix A to 40 CFR 60 and Daily Production Records
H2SO4	40 CFR 60.31d	Y		0.25 grams sulfuric acid mist per kilogram of sulfuric acid produced, the production being expressed as 100% sulfuric acid	BAAQMD Condition #17734, part 22	P/Annual	Source Test

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-A
Applicable Limits and Compliance Monitoring Requirements
S-1 Sulfuric Acid Plant

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
H2SO4	40 CFR 60.83(a)(1)	Y		0.15 lbs per ton of 100% sulfuric acid produced	Consent Decree Paragraph 14	P/E	Method 8 of Appendix A to 40 CFR 60 or such method that is approved by EPA
Opacity	40 CFR 60.83(a)(2)	Y		Less than 10% opacity	40 CFR 60.11	P/E	Method 9 of Appendix A to 40 CFR 60
SO3 and H2SO4 Emission Limit	BAAQMD 6-1-320	N		0.04 grain/dscf	BAAQMD Condition #17734, part 22	P/Annual	Source Test
SO3 and H2SO4 Emission Limit	BAAQMD 6-1-320	N		0.04 grain/dscf	BAAQMD Condition #17734, parts 17 and 24	P/D	pH monitoring
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for < 3 min/hr	BAAQMD Condition #17734, parts 17 and 24	P/D	pH monitoring
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	BAAQMD Condition #17734, part 22	P/Annual	Source Test
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	BAAQMD Condition #17734, parts 17 and 24	P/D	pH monitoring

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-A
Applicable Limits and Compliance Monitoring Requirements
S-1 Sulfuric Acid Plant

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #17734, part 22	P/Annual	Source Test/Monthly records
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #17734, parts 17 and 24	P/D	pH monitoring
Through-put	BAAQMD Condition #17734, Part 4	Y		1834 tons sulfuric acid per day	BAAQMD Condition #17734, Part 15	P/M	records
	BAAQMD Condition #17734, Part 9	Y		629,062 tons sulfuric acid per year	BAAQMD Condition #17734, Part 15	P/M	Records
Scrubber Liquid pH	BAAQMD Condition #17734, part 17b	Y		pH between 3.5 and 14	BAAQMD Condition #17734, part 33	P/D	Scrubber liquid sampling and pH testing

Table VII-B
Applicable Limits and Compliance Monitoring Requirements
S-2 Auxiliary Boiler

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-7-301.1	N		Emissions shall not exceed 30 ppmv @ 3% O2	BAAQMD Condition #17734, part 22	P/Every 5 years	Source Test

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-B
Applicable Limits and Compliance Monitoring Requirements
S-2 Auxiliary Boiler

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	SIP 9-7-301.1	Y		emissions shall not exceed 30 ppmv, dry @ 3% oxygen		N	
CO	BAAQMD 9-7-301.4	N		Emissions shall not exceed 400 ppmv @ 3% O2	BAAQMD Condition #17734, part 22	P/Every 5 years	Source Test
CO	SIP 9-7-301.2	Y		emissions shall not exceed 400 ppmv, dry @ 3% oxygen		N	
SO2	BAAQMD 9-1-301	Y		Ground level concentrations shall not exceed: 0.5 ppm for 3 consecutive minutes AND 0.25 ppm averaged over 60 consecutive minutes AND 0.05 ppm averaged over 24 hours		N	
	BAAQMD 9-1-302	Y		300 ppm (dry)		N	
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for < 3 min/hr		N	
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2		N	
Fuel Usage	BAAQMD Condition #17734, Part 2	Y		978,200,000 standard cubic feet per year at S-2 and S-3	BAAQMD #17734, Part 14	P/M	Fuel Meter
Fuel Usage	BAAQMD Condition #17734, Part 3	Y		2,700,000 standard cubic feet per day at S-2 and S-3	BAAQMD #17734, Part 14	P/M	Fuel Meter

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-C
Applicable Limits and Compliance Monitoring Requirements
S-3 Natural Gas Preheater Furnace

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for < 3 min/hr		N	
FP	BAAQMD 6-1-310	N		0.15 grains/dscf		N	
SO2	BAAQMD 9-1-301	Y		Ground level concentrations shall not exceed: 0.5 ppm for 3 consecutive minutes AND 0.25 ppm averaged over 60 consecutive minutes AND 0.05 ppm averaged over 24 hours		N	
	BAAQMD 9-1-302	Y		300 ppm (dry)		N	
Fuel Usage	BAAQMD Condition #17734 , Part 2			978,200,000 standard cubic feet per year at S-2 and S-3		N	
Fuel Usage	BAAQMD Condition #17734, Part 3			2,700,000 standard cubic feet per day at S-2 and S-3		N	

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-D
Applicable Limits and Compliance Monitoring Requirements
S-16 Sulfur Storage Tank, T-2
S-17 Sulfur Storage Tank, T-14
S-18 Sulfur Storage Tank, T-12
S-50 Sulfur Storage Tank, T-16

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Through-put Limits	BAAQMD Condition #17734, Part 5	Y		888 long tons of sulfur per day at S-16, S-17, S-18, and S-50	BAAQMD Condition #17734, part 15	P/M	monthly records
	BAAQMD Condition #17734, Part 10	Y		324,000 long tons of sulfur per year at S-16, S-17, S-18, and S-50	BAAQMD Condition #17734, part 15	P/M	monthly records

Table VII-E
Applicable Limits and Compliance Monitoring Requirements
S-19 Alky Tank

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Through-put Limits	BAAQMD Condition #17734, Part 6	Y		960 tons of alkylation acid per day	BAAQMD Condition #17734, part 15	P/M	monthly records
	BAAQMD Condition #17734, Part 11	Y		267,351 tons of alkylation acid per year	BAAQMD Condition #17734, part 15	P/M	monthly records

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-F
Applicable Limits and Compliance Monitoring Requirements
S-20 Alky Tank

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Through-put Limits	BAAQMD Condition #17734, Part 7	Y		960 tons of alkylation acid per day	BAAQMD Condition #17734, part 15	P/M	monthly records
	BAAQMD Condition #17734, Part 12	Y		267,351 tons of alkylation acid per year	BAAQMD Condition #17734, part 15	P/M	monthly records

Table VII-G
Applicable Limits and Compliance Monitoring Requirements
S-30 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	None	N		None	BAAQMD Regulation 8-7-503	P/A	Records
Through-put Limit	BAAQMD Condition #7523, Part 1	Y		400,000 gallons in any year	BAAQMD Condition #17817, Part 1	Y	Monthly Records

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-H
Applicable Limits and Compliance Monitoring Requirements
S-51 Oleum Storage Tank, T-19

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Oleum	BAAQMD 12-10-401	N		0.01 grams per cubic meter at fenceline or 2 ppm as H2SO4 over any 10 consecutive minutes		N	
Through-put Limits	BAAQMD Condition #13337, part 1	Y		73,000 tons of oleum sulfuric acid material per year	BAAQMD Condition #13337, part 11	P/M	Monthly records
	BAAQMD Condition #13337, part 13	Y		300 tons of oleum sulfuric acid material per day	BAAQMD Condition #13337, part 11	P/M	Monthly records
Opacity	BAAQMD Regulation 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes in any hourr	BAAQMD Condition #13337, part 18	P/Q	visible emissions check
	BAAQMD Condition #13337, part 3			Ringelmann 0.5 or result in fallout to cause a public nuisance	BAAQMD Condition #13337, part 18	P/Q	visible emissions check
SO2	BAAQMD 9-1-301	Y		Ground level concentrations of SO2 shall not exceed: 0.5 ppm for 3 consecutive minutes AND 0.25 ppm averaged over 60 consecutive minutes AND 0.05 ppm averaged over 24 hours		N	

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-H
Applicable Limits and Compliance Monitoring Requirements
S-51 Oleum Storage Tank, T-19

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 9-1-302	Y		300 ppm (dry)	BAAQMD Condition 13337, Part 16	P/Annual	Source Test
SO2	BAAQMD Condition #13337, Part 7A	Y		0.416 lb/hr SO2 in any hour nor 0.416 lb SO2 per 60 min avg.	BAAQMD Condition 13337, Part 16	P/Annual	Source Test and Monthly records
SO3	BAAQMD Condition #13337, Part 7B	Y		0.5 lb/hr SO3 in any hour nor 0.5 lb SO3 per 60 min avg.	BAAQMD Condition 13337, Part 16	P/Annual	Source Test and Monthly records
H2SO4	BAAQMD Condition #13337, Part 7C	Y		0.558 lb/hr sulfuric acid in any hour nor 0.558 lb sulfuric acid per 60 min avg.	BAAQMD Condition 13337, Part 16	P/Annual	Source Test and Monthly records

Table VII-I
Applicable Limits and Compliance Monitoring Requirements
S-52 Oleum Truck Loading

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Oleum	BAAQMD 12-10-401	N		0.01 grams per cubic meter at fenceline or 2 ppm as H2SO4 over any 10 consecutive minutes		N	
Through-put Limits	BAAQMD Condition #13337, part 2	Y		73,000 tons of oleum sulfuric acid material per year	BAAQMD Condition #13337, part 12	P/M	Monthly records

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-I
Applicable Limits and Compliance Monitoring Requirements
S-52 Oleum Truck Loading

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD Condition #13337, part 14	Y		300 tons of oleum sulfuric acid material per days	BAAQMD Condition #13337, part 12	P/M	Monthly records
Opacity	BAAQMD Regulation 6-1-301	N		Ringelmann No. 1 for < 3 min/hr	BAAQMD Condition #13337, part 18	P/Q	visible emissions check
	BAAQMD Condition #13337, part 3			Ringelmann 0.5 or result in fallout to cause a public nuisance	BAAQMD Condition #13337, part 18	P/Q	visible emissions check
SO2	BAAQMD 9-1-301	Y		Ground level concentrations of SO2 shall not exceed: 0.5 ppm for 3 consecutive minutes AND 0.25 ppm averaged over 60 consecutive minutes AND 0.05 ppm averaged over 24 hours		N	
	BAAQMD 9-1-302	Y		300 ppm (dry)	BAAQMD Condition 13337, Part 16	P/Annual	Source Test
SO2	BAAQMD Condition #13337, Part 8A	Y		4.0 lb/hr SO2 nor 2 lbs SO2 per 30 min avg.	BAAQMD Condition 13337, Part 16	P/Annual	Source Test and Monthly records
SO3	BAAQMD Condition #13337, Part 8B	Y		0.5 lb/hr SO3 nor 0.5 lbs SO3 per 60 min avg.	BAAQMD Condition 13337, Part 16	P/Annual	Source Test and Monthly records

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-I
Applicable Limits and Compliance Monitoring Requirements
S-52 Oleum Truck Loading

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
H2SO4	BAAQMD Condition #13337, Part 8C	Y		0.746 lb/hr sulfuric acid nor 0.746 lb sulfuric acid per 60 min avg.	BAAQMD Condition 13337, Part 16	P/Annual	Source Test and Monthly records

Table VII-J
Applicable Limits and Compliance Monitoring Requirements
S-54 Lube Spent Acid Storage Tank, T-360

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Through-put Limits	BAAQMD Condition #17906, part 1	Y		100,000 tons of lube spent acid per year	BAAQMD Condition #17906, part 8	P/M	Monthly records
	BAAQMD Condition #17906, part 3	Y		400,000 tons of spent alky sulfuric acid per year	BAAQMD Condition #17906, part 8	P/M	Monthly records
	BAAQMD Condition #17906, part 13	Y		504 tons of lube spent acid per calendar day	BAAQMD Condition #17906, part 8	P/M	Monthly records

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-K
Applicable Limits and Compliance Monitoring Requirements
S-55 Lube Spent Acid Truck Receiving Facility

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Total Carbon	BAAQMD 8-2-301	Y		15 pounds/day or 300 ppm, dry basis		N	
Through-put Limits	BAAQMD Condition #17906, part 2	Y		100,000 tons of lube spent acid per year	BAAQMD Condition #17906, part 9	P/M	Monthly records
	BAAQMD Condition #17906, part 14	Y		504 tons of lube spent acid per calendar day	BAAQMD Condition #17906, part 9	P/M	Monthly records

Table VII-L
Applicable Limits and Compliance Monitoring Requirements
S-56 Standby Diesel Fire Pump Engine

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-303.1	N		> Ringelmann No. 2 for no more than 3 minutes in any hour		N	
Opacity	SIP Regulation 6-303.1	Y		Ringelmann 2.0 for 3 minutes in any hour		N	
FP	BAAQMD 6-1-310	N		0.15 grain/dscf		N	
FP	SIP Regulation 6-310	Y		0.15 grain/dscf		N	

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-L
Applicable Limits and Compliance Monitoring Requirements
S-56 Standby Diesel Fire Pump Engine

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 9-1-301	Y		Property Line Ground Level Limits: ≤ 0.5 ppm for 3 minutes and ≤ 0.25 ppm for 60 min. and ≤0.05 ppm for 24 hours	None	N	
SO2	BAAQMD 9-1-304	Y		Fuel Sulfur Limit 0.5%	None	P/E	Vendor Certification
Reliability Related Hours	BAAQMD 9-8-330	N	1/1/12	100 hours until 1/1/12 50 hours after 1/1/12	9-8-502	P/E	Totalizing meter record keeping
Reliability-related activities	BAAQMD Condition #22850, part 1	N		50 hours per calendar year	BAAQMD Condition #22850, part 3, 4	P/E	Totalizing meter, record-keeping

Table VII-M
Applicable Limits and Compliance Monitoring Requirements
S-57 Sulfuric Acid Cleaning Operation

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 8-5-331.1	Y		Tank Cleaning Agent limit Initial boiling point > 302 degrees F, true vapor pressure < 0.5 psia, or VOC content < 50 g/l	BAAQMD Condition #24537, part 9	P/E	Record keeping
SO2	BAAQMD 9-1-302	Y		300 ppm (dry)		N	

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-M
Applicable Limits and Compliance Monitoring Requirements
S-57 Sulfuric Acid Cleaning Operation

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Hours	BAAQMD Condition #24537, part 1	Y		1,320 hours per consecutive 12-month period	BAAQMD Condition #24537, part 9	P/E	Record keeping
Scrubbing solution flow rate	BAAQMD Condition #24537, part 4	Y		≥ 80 gallons per minute to Venturi scrubber when in operation	BAAQMD Condition #24537, part 9	P/E	Record keeping
Scrubbing solution flow rate	BAAQMD Condition #24537, part 6	Y		≥ 120 gallons per minute to packed column scrubber when in operation	BAAQMD Condition #24537, part 9	P/E	Record keeping
pH	BAAQMD Condition #24537, part 8	Y		pH of scrubbing solution ≥ 8	BAAQMD Condition #24537, part 9	P/E	Record keeping

VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally referenced 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.

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-1-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions; or US EPA Method 9
BAAQMD 6-1-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or US EPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources
BAAQMD 6-1-310.3	Particulate Weight Limitation for Heat Transfer Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or US EPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources
BAAQMD 6-1-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or US EPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources
BAAQMD 6-1-320	Sulfuric Acid Manufacturing Plants	Manual of Procedures, Volume IV, ST-20, Sulfur Dioxide, Sulfur Trioxide and Sulfuric Acid Mist
BAAQMD 8-7-301.2	Gasoline Vapor Recovery	BAAQMD Manual of Procedures, Volume IV, ST-36
BAAQMD 9-1-301	Ground Level SO2	BAAQMD Manual of Procedures, Volume VI, Section 1
BAAQMD 9-1-302	General Emission Limitation	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample
BAAQMD 9-1-309	SO2 Emission Point	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample
BAAQMD 9-7-301.1	NOx Concentration Limit	BAAQMD Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-7-301.2	CO Concentration Limit	BAAQMD Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling

VIII. Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 12-6-301	Acid Mist Emission Point	40 CFR 60, Appendix A, Method 8, Determination of Sulfuric Acid Mist and Sulfur Dioxide Emissions from Stationary Sources
40 CFR 60.31d	Emissions Guidelines	40 CFR 60, Appendix A, Method 8, Determination of Sulfuric Acid Mist and Sulfur Dioxide Emissions from Stationary Sources
BAAQMD Condition 2756, part 1	Ringelmann 0.5 limit	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD Condition 2756, part 3a	Particulate Mass Emission Limit	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD Condition 2756, part 3b	NOx Mass Emission Limit	BAAQMD Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition 13337, part 3	Ringelmann 0.5 limit	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD Condition 13337, part 7	SO2, SO3, and Sulfuric Acid Emissions	Manual of Procedures, Volume IV, ST-20, Sulfur Dioxide, Sulfur Trioxide and Sulfuric Acid Mist
BAAQMD Condition 13337, part 8	SO2, SO3, and Sulfuric Acid Emissions	Manual of Procedures, Volume IV, ST-20, Sulfur Dioxide, Sulfur Trioxide and Sulfuric Acid Mist
Consent Decree Paragraph 11.b	SO2 Emissions	Ref: Consent Decree Paragraph 13 Alternative Monitoring Plan for SO2 Emissions, Rhodia Inc. Martinez, California, Single Absorption Sulfuric Acid Regeneration Plant with Scrubber.
Consent Decree Paragraph 11.k	Sulfuric Acid Mist Emissions	Ref: Consent Decree Paragraph 14.a 40 CFR 60, Appendix A, Method 8, Determination of Sulfuric Acid Mist and Sulfur Dioxide Emissions from Stationary Sources; or such method that is approved by EPA

IX. PERMIT SHIELD

Pursuant to District Regulations 2-6-233 and 2-6-409.12, the District has determined that compliance with the conditions of this permit will assure compliance with the "subsumed" regulatory requirements listed in the permit. Enforcement actions and litigation may not be initiated against the source or group of sources covered by this shield based on the "subsumed" regulatory and/or statutory provisions cited.

Pursuant to District Regulations 2-6-233 and 2-6-409.12, the federally enforceable regulations and/or standards cited in the following tables are not applicable to the source or group of sources identified at the top of the tables. Enforcement actions and litigation may not be initiated against the source or group of sources covered by this shield based on the regulatory and/or statutory provisions cited, as long as the reasons listed below remain valid for the source or group of sources covered by this shield.

Table IX-A
S-1 Sulfuric Acid Plant

Citation	Title or Description (Reason not applicable)
BAAQMD 9-1-302	General Emission Limitation (Source is subject to Section 9-1-309)
BAAQMD 6-302	Opacity Limitation (SIP regulations do not require opacity monitoring for this source)

Table IX-B
S-2 Auxiliary Boiler

Citation	Title or Description (Reason not applicable)
40 CFR 60, Subpart Dc	Standards of Performance for Boilers (Source constructed prior to 8/17/84 and has not been modified)
BAAQMD 9-1-502	Emission Monitoring Requirements (Source is not subject to 9-1-304, 9-1-307, 9-1-309, or 9-1-310 and is therefore not subject to 9-1-502)

IX. Permit Shield

Table IX-C
S-3 Natural Gas Preheater Furnace

Citation	Title or Description (Reason not applicable)
BAAQMD Regulation 9, Rule 7	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (9/15/93)** (This rule does not apply to this unit because it is not a boiler, steam generator, or process heater. The unit does not transfer heat to water or process streams. It is used only after a prolonged plant shutdown to heat the catalytic converter. After initial start-up, the temperature in the converter is maintained by recirculating process heat within a closed system)

Table IX-D
S-12 Sulfuric Acid Tank, T-9
S-13 Sulfuric Acid Tank, T-4
S-14 Sulfuric Acid Tank, T-5
S-15 Sulfuric Acid Tank, T-6

Citation	Title or Description (Reason not applicable)
BAAQMD Regulation 8, Rule 5	Storage of Organic Liquids (This rule does not apply to these tanks because the tanks do not store organic liquids.)
SIP Regulation 8, Rule 18	SIP Regulation 8, Rule 18, Section 101 (The provisions of this rule do not apply to these sources because they do not contain organic liquids.)

Table IX-E
S-16 Sulfur Storage Tank, T-2
S-17 Sulfur Storage Tank, T-14
S-18 Sulfur Storage Tank, T-12
S-50 Sulfur Storage Tank, T-16

Citation	Title or Description (Reason not applicable)
BAAQMD Regulation 9, Rule 2, Section 301	Hydrogen Sulfide (There is no regulatory basis for this limit. There have been no odor problems or complaints that would require BAAQMD to impose a limit on H2S emissions from these sources)

IX. Permit Shield

Table IX-F
S-19 Sulfuric Acid Tank, T-1
S-20 Sulfuric Acid Tank, T-3

Citation	Title or Description (Reason not applicable)
BAAQMD Regulation 8, Rule 5	Storage of Organic Liquids (This rule does not apply to these tanks because the organic liquids stored have a true vapor pressure less than 0.5 psia.)

Table IX-G
S-36 Ammonium Sulfate/Bisulfite Tank, T-453A
S-37 Ammonium Sulfate/Bisulfite Tank, T-453B
S-57 Ammonium Sulfate/Bisulfite Tank, T-453C

Citation	Title or Description (Reason not applicable)
40 CFR 60, Subpart PP	Standards of Performance for Ammonium Sulfate Manufacture These sources are not the type of source or process subject to this rule.

Table IX-H
S-40 Cinder Water Collection Tank, T-500
S-41 Neutralizers, T-501, T-502
S-43 Sulfide Solution and Sulfide
S-44 Aeration & Check Tank, T-506
S-45 Sludge Tank, T-507 & Sludge Presses, F-521 A&B

Citation	Title or Description (Reason not applicable)
40 CFR 60, Subpart QQQ	Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems These sources in the wastewater treatment system are not subject to this rule, because the facility does not meet the definition of a petroleum refinery.

IX. Permit Shield

Table IX-I
S-53 No. 6 Fuel Oil Storage Tank

Citation	Title or Description (Reason not applicable)
40 CFR 60, Subpart K	Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978 No. 6 fuel oil is not defined as petroleum liquid. Therefore, none of these subparts apply to this source. This tank is not subject to Subpart K because of age (built after May 19, 1978 and not modified)
40 CFR 60, Subpart Ka	Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984 This 44,000 gallon tank is not subject to Subpart Ka because of size (less than 420,000 gallons) and age (built after May 18, 1978 and not modified).
40 CFR 60, Subpart Kb	Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 The tank was installed in 1998 and has not been modified. Subpart Kb does not apply because the vapor pressure of fuel oil is less than 3.5 kilopascals (kPa).
BAAQMD Regulation 8, Rule 5	Storage of Organic Liquids (The tank is not subject because the vapor pressure of fuel oil is less than 0.5 psia.)

Table IX-J
S-54 LSA Storage Tank, T-360

Citation	Title or Description (Reason not applicable)
40 CFR 60, Subpart K	Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978 This tank is not subject to Subpart K because of size (less than 40,000 gallons) and age (built after May 19, 1978 and not modified)
40 CFR 60, Subpart Ka	Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984 This source is not subject to Subpart Ka because of size (less than 40,000 gallons) and age (built after May 18, 1978 and not modified)
40 CFR 60, Subpart Kb	Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 This source is not subject to Subpart Kb because it is a pressure vessel designed to operate at 75 psig at 200 degrees F, without emissions to the atmosphere. This is in excess of 204.9 kPa pressure exemption.

X. Revision History

Initial Title V Permit Issuance: **May 30, 2002**
(Application No. 25842)

Title V Permit Renewal: **December 20, 2011**
(Application No. 15374)

Administrative Amendment: **December 18, 2013**
Change Company name from Rhodia Inc. to Solvay USA Inc.
(Application No. 25864

XI. GLOSSARY

ACT
Federal Clean Air Act

APCO
Air Pollution Control Officer**BAAQMD**
Bay Area Air Quality Management District

BACT
Best Available Control Technology

Basis
The underlying authority that allows the District to impose requirements.

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CARB
California Air Resources Board

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.

CO
Carbon Monoxide

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.

dscf
Dry Standard Cubic Foot

XI. Glossary

District
The Bay Area Air Quality Management District

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), 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

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

Long ton
2200 pounds

Major Facility
A facility with potential emissions of: (1) at least 100 tons per year of regulated air pollutants, (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.

XI. Glossary

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

MOP
The District's Manual of Procedures.

NA
Not Applicable

NAAQS
National Ambient Air Quality Standards

NESHAPS
National Emission Standards for Hazardous Air Pollutants. See in 40 CFR Parts 61 and 63

NMHC
Non-methane Hydrocarbons

NOx
Oxides of nitrogen.

NSPS
Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Federal Clean Air 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 pollutants for which criteria have been established in accordance with Section 108 of the Federal Clean Air Act. Mandated by Title I of the Federal Clean Air Act and implemented by 40 CFR Parts 51 and 52 and District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

O2
Oxygen

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 on site contemporaneous emission reduction credits. The offsets requirement applies to emissions of POC, NOx, PM10, and SO2.

XI. Glossary

Permit Shield
A provision in an operating permit issued under Title V of the federal Clean Air Act as amended in 1990 that identifies federally enforceable requirements that do not apply to a source or group of sources. Once such provisions are put under a permit shield, enforcement actions and litigation may not be initiated against the source or group of sources covered by this shield based on the regulatory and/or statutory provisions cited.

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

PM
Particulate Matter

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

PSD
Prevention of Significant Deterioration. A federal program for permitting new and modified sources of those 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.

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

SO3
Sulfur trioxide

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.

XI. Glossary

TRMP
Toxic Risk Management Plan

TSP
Total Suspended Particulate

VOC
Volatile Organic Compounds

Units of Measure:

bhp	=	brake-horsepower
btu	=	British Thermal Unit
g	=	grams
gal	=	gallon
gr	=	grain or gram
hp	=	horsepower
hr	=	hour
kg	=	kilogram
lb	=	pound
in	=	inches
max	=	maximum
m^2	=	square meter
min	=	minute
mm	=	million
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