Bay Area Air Quality Management District

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

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:
Rhodia, Inc.
Facility #B1661

Facility Address:
100 Mococo Road
Martinez, CA 94553

Mailing Address:
100 Mococo Road
Martinez, CA 94553

Responsible Official	**Facility Contact**
Peter M. Jurichko, Plant Manager	Anthony Koo, Environmental Coordinator
(925) 313-8221	(925) 313-8221

Type of Facility: Sulfuric Acid Manufacturing
Primary SIC: 2819

BAAQMD Permit Division Contact:
Barry G. Young
Principal Air Quality Engineer

Product: Sulfuric Acid Ammonium Sulfate/Bisulfate Fertilizer, and Zinc Sulfate Fertilizer

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Peter Hess for Ellen Garvey — May 30, 2002
Ellen Garvey, Air Pollution Control Officer — Date

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I. STANDARD CONDITIONS

A. Administrative Requirements

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

BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 5/2/01);

SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 8/27/99);

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 8/1/01);

SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 2/25/99);

BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 5/17/00);

SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 2/25/99);

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 5/17/00);

SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 2/25/99); and

BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 5/2/01).

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

1. This Major Facility Review Permit was issued on May 30, 2002 and expires on April 30, 2007. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than October 31, 2006, and no earlier than April 30, 2006. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after** April 30, 2007**.** (Regulation 2-6-307, 404.2, & 409.6; MOP Volume II, Part 3, §4.2)

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

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

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

I. Standard Conditions

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

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

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

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

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

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

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

C. Requirement to Pay Fees

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

D. Inspection and Entry

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

E. Records

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

I. Standard Conditions

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

F. Monitoring Reports

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. The first reporting period for this permit shall be May 30, 2002 to October 31, 2002. The report shall be submitted by November 30, 2002. Subsequent reports shall be for the following periods: November 1st through April 30th and May 1st through October 31st, and are due on the last day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

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

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

G. Compliance Certification

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

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

I. Standard Conditions

(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-38	Sulfur Dioxide Transload System (railcar to truck loading)	Custom	Custom	27 tons/hour
S-48	PEP Conveying and Sizing Subsystem	Custom	Custom	7.5 tons/hour
S-49	PEP Fluidized Bed Dryer Subsystem (natural gas)	Palletizing	Custom	9.5 MMBtu/hr
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

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 should be between 5 and 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-6	Simple Cyclone	S-48, S-49		None	
A-7	Venturi Scrubber	S-48, S-49	BAAQMD 6-301	pressure drop shall be < 9.5 inches of water	Ringel-mann 1.0 for < 3 minutes/hr
		S-48, S-49	BAAQMD 6-310	pressure drop shall be < 9.5 inches of water	0.15 gr/dscf
		S-48, S-49	BAAQMD 6-311	pressure drop shall be < 9.5 inches of water	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr

II. Equipment

Table II B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Required Efficiency
A-7	Venturi Scrubber	S-48, S-49	BAAQMD Condition #2756, part 8	pressure drop	pressure drop shall be < 9.5 inches of water
		S-48, S-49	Condition #2756, part 1	pressure drop shall be < 9.5 inches of water	Ringel-mann 0.5 for < 3 minutes/hr
		S-48, S-49	Condition #2756, part 3a	Pressure drop shall be < 9.5 inches of water	3.3 lbs/hr TSP
A-11	Ammonia Scrubber	S-1	BAAQMD 6-301	The pH should be between 3.5 and 14.	Ringel-mann 1 for < 3 minutes/hr
		S-1	BAAQMD 6-310	The pH should be between 3.5 and 14.	0.15 gr/dscf
		S-1	BAAQMD 6-311	The pH should be between 3.5 and 14.	hourly PM limit based on throughput
		S-1	BAAQMD 6-320		0.04 gr/dscf SO3 and H2SO4
		S-1	BAAQMD 9-1-309		SO2 emissions < 300 ppm @ 12% O2, 4-hour average

II. Equipment

Table II B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Required Efficiency
		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 should be between 3.5 and 14.	pH > 3.5 and < 14
A-16	Brink Type Mist Eliminator	S-51, S-52	BAAQMD 6-301		Ringelmann 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 consecutive minutes
		S-51, S-52	BAAQMD Condition #13337, part 3		Ringelmann 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.

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/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.
		S-52	BAAQMD Condition #13337, part 8C		0.746 lb/hr H2SO4

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 H2SO4 in any 60 min, avg.
A-17	Brink Type Mist Eliminator	S-51, S-52	BAAQMD 6-301		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
S-1	Sulfuric Acid Plant	S-19, S-20	BAAQMD Condition #17734, part 16		Requirement for control
		S-54, S-55	BAAQMD Condition #17906, parts 6 and 7		Requirement 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.

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

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

The full language of SIP requirements is on EPA Region 9's website. The address is included in Appendix A of this permit.

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 (5/2/01)	N
SIP Regulation 1	General Provisions and Definitions (8/27/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (5/2/01)	N
BAAQMD 2-1-429	Federal Emissions Statement (6/7/95)	Y
SIP Regulation 2, Rule 1	General Requirements (8/27/99)	Y
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y
BAAQMD Regulation 5	Open Burning (11/2/94)	Y
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (12/20/95)	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
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (12/20/95)	N
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)	N
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (12/4/91)	Y
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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

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

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

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

Table IV-A
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 (5/2/01)**		
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	Y	
1-522.3	Performance Testing	Y	
1-522.4	Periods of Inoperation Greater Than 24 Hours	Y	
1-522.5	Calibration	Y	
1-522.6	Accuracy	Y	
1-522.7	Excesses	Y	
1-522.8	Monthly Reports	Y	
1-522.9	Records	Y	
1-602	Area and Continuous Emission Monitoring Requirements	Y	

IV. Source-specific Applicable Requirements

Table IV-A
S-1 Sulfuric Acid Plant

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-320	Sulfuric Acid Manufacturing Plants	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	
9-1-309	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	
9-1-605	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 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 62, Subpart F	**Approval and Promulgation of State Plans for Designated Facilities and Pollutants**	**Y**	

IV. Source-specific Applicable Requirements

Table IV-A
S-1 Sulfuric Acid Plant

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Section 62.1102	Sulfuric Acid Mist Emissions from Existing Sulfuric Acid Production Units – Identification of sources	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	

Table IV-B
S-2 Auxiliary Boiler

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operations	Y	
6-401	Appearance of Emissions	Y	

IV. Source-specific Applicable Requirements

Table IV-B
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 (9/15/93)**		
9-7-301	Emission Limits – Gaseous Fuel	Y	
9-7-301.1	Performance Standard, NOx	Y	
9-7-301.2	Performance Standard, CO	Y	
9-7-502	Modified Maximum Heat Input	Y	
9-7-503	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
S-3 Natural Gas Preheater Furnace

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	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
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
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 (5/2/01)**		
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	Y	
1-523.4	Records of inoperation, tests, calibrations, adjustments, & maintenance	Y	

IV. Source-specific Applicable Requirements

Table IV-E
S-19 Alky Tank, T-1

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

Table IV-F
S-20 Alky Tank, T-3

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

IV. Source-specific Applicable Requirements

Table IV-F
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 (5/2/01)**		
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	Y	
1-523.4	Records of inoperation, tests, calibrations, adjustments, & maintenance	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
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 (11/17/99)**		
8-7-301	Phase I Requirements	N	
8-7-301.1	Requirement for CARB Phase I System	N	
8-7-301.2	Installation of Phase I Equipment per CARB Requirements	N	
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	N	
8-7-301.7	Poppetted Drybreaks	N	
8-7-301.8	No Coaxial Phase 1	N	
8-7-301.9	CARB-Certified Anti-Rotational Coupler or Swivel Adapter	N	
8-7-301.10	System Vapor Recovery Rate	N	
8-7-301.11	CARB-Certified Spill Box	N	
8-7-301.12	Drain Valve Permanently Plugged	N	
8-7-302	Phase II Requirements	N	
8-7-302.1	Requirement for CARB Certified Phase II System	N	
8-7-302.2	Maintenance of Phase II System per CARB Requirements	N	
8-7-302.3	Maintenance of All Equipment as Specified by Manufacturer	N	
8-7-302.4	Repair of Defective Parts Within 7 Days	Y	
8-7-302.5	Leak-Free, Vapor-Tight	N	
8-7-302.6	Insertion Interlocks	N	
8-7-302.7	Built-In Vapor Check Valve	N	
8-7-302.8	Minimum Liquid Removal Rate	N	
8-7-302.9	Coaxial Hose	N	
8-7-302.10	Galvanized Piping or Flexible Tubing	N	
8-7-302.11	ORVR Compatible	N	
8-7-302.12	Liquid Retainment Limit	N	
8-7-302.13	Spitting Limit	N	
8-7-303	Topping Off	Y	

IV. Source-specific Applicable Requirements

Table IV-G
S-30 Gasoline Dispensing Island

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-304	Certification Requirements	N	
8-7-306	Prohibition of Use	Y	
8-7-307	Posting of Operating Instructions	N	
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	N	
8-7-316	Pressure Vacuum Valve Requirement, Aboveground Storage Tanks and Vaulted Below-Grade Storage Tanks	N	
8-7-406	Testing Requirements, New and Modified Installations	N	
8-7-501	Burden of Proof	N	
8-7-502	Right of Access	Y	
8-7-503	Record Keeping Requirements	N	
SIP Regulation 8, Rule 7	**Organic Compounds - Gasoline Dispensing Facilities (6/1/94)**		
8-7-301	Phase I Requirements	Y[1]	
8-7-301.1	Requirement for CARB Certified Phase I System	Y[1]	
8-7-301.2	Installation of Phase I System per CARB Requirements	Y[1]	
8-7-301.3	Submerged Fill Pipe	Y[1]	
8-7-301.4	Pressure Vacuum Relief Valve Requirement	Y[1]	
8-7-301.5	Maintenance of Phase I Equipment per Manufacturers Guidelines	Y[1]	
8-7-301.6	Leak-Free, Vapor-Tight	Y[1]	
8-7-301.7	Poppetted Drybreaks	Y[1]	
8-7-302	Phase II Requirements	Y[1]	
8-7-302.1	Requirement for CARB Certified Phase II System	Y[1]	
8-7-302.2	Maintenance of Phase II System per CARB Requirements	Y[1]	
8-7-302.3	Maintenance of All Equipment as Specified by Manufacturer	Y[1]	
8-7-302.4	Repair of Defective Parts Within 7 Days	Y[1]	
8-7-302.5	Leak-Free, Vapor-Tight	Y[1]	
8-7-304	Certification Requirements	Y[1]	
8-7-307	Posting of Operating Instructions	Y[1]	

IV. Source-specific Applicable Requirements

Table IV-G
S-30 Gasoline Dispensing Island

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-310	New Tank Phase II Requirement	Y[1]	
8-7-401	Equipment Installation and Modification	Y[1]	
8-7-404	Certification of New Installation	Y[1]	
8-7-405	Compliance Schedule, Loss of Exemption	Y[1]	
8-7-501	Burden of Proof	Y[1]	
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	
BAAQMD Condition #17817			
Part 1	Record Retention Requirement (Basis: cumulative increase, BAAQMD Regulation 2-6-501, Toxic Risk Policy, and 8-7-503)	Y	

1 This section of the SIP rule has been removed from or revised in the current BAAQMD rule. Nevertheless, the source must comply with this SIP requirement until US EPA has reviewed and approved the District's revision of the regulation.

IV. Source-specific Applicable Requirements

Table IV-H
S-38 Sulfur Dioxide Transload System

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 Condition #17734			
Part 8	Daily Throughput Limit of materials (basis: cumulative increase and Regulation 2-1-234.3)	Y	
Part 13	Annual Throughput Limit of materials (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- I
S-48 Conveying and Sizing System

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-523	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	Y	
1-523.4	Records of inoperation, tests, calibrations, adjustments, & maintenance	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		

IV. Source-specific Applicable Requirements

Table IV- I
S-48 Conveying and Sizing System

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	Process Weight Rate	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #2756			
Part 1	Visible Emission not to exceed Ringelmann No. 0.5 (basis: Regulation 1-301, cumulative increase)	N	
Part 3a	Total suspended particulate emission limits (basis: cumulative increase)	Y	
Part 8	A-7 shall remain below 9.5 in of water while operating (basis: cumulative increase, BAAQMD Regulation 2-6-409.2)	Y	
Part 9	Annual Throughput Limit of Zinc-Hydroxide Cake (basis: cumulative increase and Regulation 2-1-234.3)	Y	
Part 10	Daily Throughput Limit of Zinc-Hydroxide Cake (basis: cumulative increase and Regulation 2-1-234.3)	Y	
Part 16	Record Retention Requirement (zinc-hydroxide cake) (basis: cumulative increase and Regulation 2-6-501))	Y	
Part 17a	Pressure drop monitoring (cumulative increase, 2-6-503)	Y	
Part 17b	Flowrate monitoring (cumulative increase, 2-6-503)	Y	
Part 18	Requirement for control (2-1-403)	Y	
Part 19	Annual visible emissions check (2-6-503)	Y	
Part 20	Records of monitoring (2-6-501)	Y	

Table IV- J
S-49 Fluidized Bed Dryer

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.1	Reporting requirement for periods of inoperation > 24 hours	Y	

IV. Source-specific Applicable Requirements

Table IV- J
S-49 Fluidized Bed Dryer

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-523.2	Limit on duration of inoperation	Y	
1-523.3	Reporting requirement for violations of any applicable limits	Y	
1-523.4	Records of inoperation, tests, calibrations, adjustments, & maintenance	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gases - Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations	Y	
BAAQMD Condition #2756			
Part 1	Visible Emission not to exceed Ringelmann No. 0.5 (basis: Regulation 1-301, cumulative increase)	N	
Part 3	Total suspended particulate and NOx emission limits (basis: cumulative increase)	Y	
Part 4	Fluidized Bed Dryer, S-49, inlet and outlet temperature limits (basis: cumulative increase, BAAQMD Regulation 2-6-409.2)	Y	
Part 5	Temperature measuring and recording requirement (basis: cumulative increase, BAAQMD Regulation 2-6-409.2)	Y	
Part 6	Temperature record retention requirement (basis: cumulative increase, BAAQMD Regulation 2-6-409.2)	Y	
Part 8	A-7 shall remain below 9.5 in of water while operating (basis: cumulative increase, BAAQMD Regulation 2-6-409.2)	Y	
Part 11	Annual Throughput Limit of Zinc-Hydroxide Cake (basis: cumulative increase and Regulation 2-1-234.3)	Y	
Part 12	Daily Throughput Limit of Zinc-Hydroxide Cake (basis: cumulative increase and Regulation 2-1-234.3)	Y	
Parts 13	Annual Throughput Limit of natural gas (basis: cumulative increase and Regulation 2-1-234.3)	Y	

IV. Source-specific Applicable Requirements

Table IV- J
S-49 Fluidized Bed Dryer

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 14	Daily Throughput Limit of natural gas (basis: cumulative increase and Regulation 2-1-234.3)	Y	
Part 15	Record Retention Requirement of fuel usage (basis : cumulative increase and BAAQMD Regulation 2-6-501)	Y	
Part 16	Record Retention Requirement of zinc-hydroxide cake throughput (basis: cumulative increase and BAAQMD Regulation 2-6-501)	Y	
Part 17a	Pressure drop monitoring (cumulative increase, 2-6-503)	Y	
Part 17b	Flowrate monitoring (cumulative increase, 2-6-503)	Y	
Part 18	Requirement for control (2-1-403)	Y	
Part 19	Annual visible emissions check (2-6-503)	Y	
Part 20	Records of monitoring (2-6-501)	Y	
Part 21	Annual NOx source test (2-6-409.2, 2-6-503)	Y	

Table IV-K
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	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 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-K
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-K
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-L
S-52 Oleum Truck Loading

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
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	
12-10-401	Oleum Transfer Procedure Requirements	N	
12-10-501	Records	N	
BAAQMD Condition #13337			

IV. Source-specific Applicable Requirements

Table IV-L
S-52 Oleum Truck Loading

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

Table IV-M
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

IV. Source-specific Applicable Requirements

Table IV-M
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 (01/20/1993)**		
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	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tanks Smaller than 150m3	Y	
8-5-301.3	Storage Tanks Smaller than 150 cubic meter with vapor loss control device in compliance with 8-5-311	Y	
8-5-311	Vapor loss control device requirements	Y	
8-5-311.3	Vapor Loss Control Device Requirements; Approved emission control system	Y	
8-5-501	Records	Y	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-311.3	Y	
BAAQMD Condition #17906			
Part 1	Annual lube spent acid use limit (basis: cumulative increase and Regulation 2-1-234.3)	Y	

IV. Source-specific Applicable Requirements

Table IV-M
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
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	

Table IV-N
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 (6/15/1994)**		
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	

IV. Source-specific Applicable Requirements

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	

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 #2756

For S-48 PEP Conveying and Sizing Subsystem
S-49 Fluidized Bed Dryer

1. The permit holder shall not emit from any source or emission point for a period or periods aggregating more than three minutes in any hour, a visible emission which is as dark or darker than No. 0.5 on the Ringelmann Chart, or of such opacity as to obscure an observer's view to an equivalent or greater degree.
(Basis: BAAQMD Regulation 1-301, cumulative increase)

*2. Deleted May, 2002.

3. Emissions to the atmosphere occurring at emission point 5 shall not exceed the following:

	Pollutant	Maximum Allowable Emission Rate in lbs/hr
a.	TSP	3.3
b.	NOx as NO2	1.1

(Basis: cumulative increase)

4. The maximum inlet and outlet temperature into and out of the Fluidized Bed Dryer shall not exceed 600 degrees F and 300 degrees F, respectively.
(Basis: cumulative increase, BAAQMD Regulation 2-6-409.2)

5. In order to demonstrate that the maximum allowable temperatures specified in permit condition above are not exceeded, Permit Holder shall install continuous temperature measuring and recording instrumentation. The measuring and recording instrumentation and the specific placement of the temperature probes shall be subject to the approval of the APCO. (Basis: cumulative increase, BAAQMD Regulation 2-6-409.2)

Condition #2756

VI. Permit Conditions

6. Temperature recordings shall be retained on-site for at least five years and made available to the APCO upon request. (Basis: cumulative increase, BAAQMD Regulation 2-6-409.2, BAAQMD Regulation 2-6-501)

7. Deleted May, 2002.

8. The pressure drop of A-7, venturi scrubber, shall be maintained below 9.5 inches of water, whenever S-48 and/or S-49 are in operation. (Basis: cumulative increase, BAAQMD Regulation 2-6-409.2)

9. The throughput of zinc-hydroxide cake and/or recycled zinc material at S-48 shall not exceed 1000 tons in any consecutive 12-month period. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

10. The monthly average throughput of zinc-hydroxide cake and/or recycled zinc material at S-48 shall not exceed 16.8 tons per calendar day. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

11. The throughput of zinc hydroxide cake and/or recycled zinc material at S-49 shall not exceed 1000 tons in any consecutive 12-month period. (Basis; cumulative increase and BAAQMD Regulation 2-1-234.3)

12. The monthly average throughput of zinc hydroxide cake and/or recycled zinc material at S-49 shall not exceed 16.8 tons per calendar day. (Basis; cumulative increase and BAAQMD Regulation 2-1-234.3)

13. Natural gas usage at S-49 shall not exceed 13,545,900 standard cubic feet during any consecutive 12-month period. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

14. The monthly average natural gas usage at S-49 shall not exceed 223,530 standard cubic feet per calendar day. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

15. The Permit Holder shall maintain monthly records of all fuel usage at S-49 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)

VI. Permit Conditions

Condition #2756

16. The Permit Holder shall maintain monthly records of throughputs of zinc-hydroxide cake and/or recycled zinc material at S-48 and S-49 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)

17a. The Permit Holder shall record the pressure drop across A-7, Wet Scrubber on a weekly basis. 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. If S-48 and S-49 do not operate during any calendar week, no record is required. (Basis: cumulative increase, BAAQMD Regulation 2-6-503)

17b. Within 3 months of issuance of the Title V permit, the operator shall install a flow meter to determine the flow of the scrubbing liquid. Within 6 months of issuance of the Title V permit, the operator shall determine the minimum flowrate necessary for proper operation and submit the minimum flowrate to the District. The District will incorporate the minimum flowrate into the permit using minor permit revision procedures. After the flowmeter is installed, the operator shall record the flowrate on a weekly basis. 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. If S-48 and S-49 are not operating when the Title V permit is issued, the flowmeter shall be installed within 3 months of commencing operation, and the minimum flowrate shall be determined within 6 months of commencing operation. (Basis: cumulative increase, BAAQMD Regulation 2-6-503)

18. Particulate matter emissions from S-48 and S-49 during their operation shall be controlled by A-7, Wet Scrubber. (basis: Regulation 2-1-403)

19. S-48 and S-49 shall be checked for visible emissions at A-7, Wet Scrubber once every calendar year. If any visible emissions are detected by an untrained observer, the operator shall take corrective action to eliminate any visible emissions, and check for visible emissions again with an untrained observer. If visible emissions cannot be eliminated, the operator shall perform a certified visible emissions evaluation in accordance with BAAQMD 6-601 to determine compliance with part 1 of this conditions and with Regulation 6-301. Any non-compliance shall be reported in accordance with Standard Condition I.F of the Title V permit. 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 year.

VI. Permit Conditions

Condition #2756

If the equipment has not operated during a calendar year, no inspection is required. (basis: Regulation 2-6-503)

20. The operator shall keep records of all visible emissions checks, the person performing the check, and all maintenance performed on A-7, wet scrubber. The records shall be retained for five (5) years and shall be made available to District personnel upon request. (basis: Regulation 2-6-501)

21. To determine compliance with part 3b above, the Permit Holder shall perform a source test at least every five years to measure the NOx from S-49, unless S-49 does not operate during the Title V permit term. The Permit Holder 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, 2-6-503)

Condition #7523

For S-30 Gasoline Dispensing Island

1. Pursuant to BAAQMD Toxic Section Policy, this facility's annual gasoline throughput shall 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 total amount of oleum sulfuric acid material (sulfuric acid with an acid strength of more than 99 percent by weight) throughput at S-51 shall not exceed 73,000 tons in any rolling 12 consecutive month period. (Basis: cumulative increase)

2. 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 shall not exceed 73,000 tons in any rolling 12 consecutive month period. (Basis: cumulative increase)

VI. Permit Conditions

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3. Fugitive particulate emissions from each of S-51 and S-52 shall 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. No oleum sulfuric acid material which has/is greater than 30 percent free SO3 shall be throughput to or stored at S-51 or transferred at S-52. (Basis: cumulative increase)

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

6. No loading of rail cars shall occur at S-52 and only truck vessels shall receive oleum materials at S-52. (Basis: cumulative increase)

7. The following emission limits 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 following emission limits apply to S-52 abated by A-16 or A-17:

   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

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VI. Permit Conditions

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), S-51 shall be 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 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) shall be 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 Permit Holder for 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. 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)

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12. The Permit Holder for 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 monthly average throughput of oleum at S-51 shall not exceed 300 tons per calendar day. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

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

15. The Permit Holder 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 Permit Holder 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 Permit Holder 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. Particulate matter emissions during loading operations from S-51 and S-52 shall be controlled by A-16 or A-17. (basis: Regulation 2-1-403)

18. S-51 and S-52 shall be checked 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 operator shall take corrective action ot eliminate any visible emissions and check for visible emissions again during the next loading event with an untrained observer. If visible emissions cannot be eliminated, the operator shall eprform 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

Condition #13337

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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 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-38 SO2 Transloading
S-50 Sulfur Storage Tank, T-16
A-2 Packed Bed Scrubber
A-5 Flare

Fuel Usage Conditions:

1. S-2 and S-3 shall burn only natural gas. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

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

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

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Daily Material Throughput Conditions:

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

5. The monthly average throughput of sulfur at S-16, S-17, S-18, and S-50 shall 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 monthly average throughput of alkylation acid at S-19 shall not exceed 960 tons per calendar day. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

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

8. The monthly average throughput of materials at S-38 shall not exceed 648 tons per calendar day. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

Annual Material Throughput Conditions:

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

10. The throughput of sulfur at S-16, S-17, S-18, and S-50 shall 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 throughput of alkylation acid at S-19 shall not exceed 267,351 tons in any consecutive 12-month period. Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

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

13. The throughput of materials at S-38 shall not exceed 236,500 tons in any consecutive 12-month period. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

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Recordkeeping Conditions:

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14. The Permit Holder 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 Permit Holder shall maintain monthly records of material throughputs at S-1, S-16, S-17, S-18, S-19, S-20, S-38, 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. Organic and sulfuric acid emissions from S-19 and S-20 shall be controlled by S1, Sulfuric Acid Plant. Organic emissions from S-19 and S-20 shall be controlled by A-2, packed bed scrubber, and A-5, flare, during all periods that S1 is not operating. [basis: cumulative increase]

17a. Packed bed scrubber, A-2, and Flare, A-5, shall be 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. Ammonia scrubber, A-11 shall be 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 flare flame shall be lit. The owner/operator of A-5 shall maintain an alarm system that will immediately signal to the

VI. Permit Conditions

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 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 6-310, 6-311, 6-320, 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)

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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

VI. Permit Conditions

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)

Condition #17817
For S-30 Gasoline Dispensing Island

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

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

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

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4. No material with organic component(s) or material containing or composed of organic solvent borne constituent(s) shall be 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. No material with organic component(s) or material containing or composed of organic solvent borne constituent(s) shall be 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. All emissions containing organic constituent(s), acidic constituent(s), and/or sulfur/sulfur compound containing material(s) from S-54 operations shall be 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. All emissions containing organic constituent(s), acidic constituent(s), and/or sulfur/sulfur compound containing material(s) from S-55 operations shall be 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 permittee 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 permittee 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 from the date of entry. This log shall be kept on site and made available to

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the District staff upon request. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

10. Only the contents of truck vessels shall be received (unloaded) at S-55. There shall be 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. There shall be no unloading of rail (road) cars at S-55. (Basis: cumulative increase and BAAQMD Regulation 2-1-234.3)

11. (deleted Application 25842)

12. All valves (other than remotely actuated process control valves) installed at and/or associated with the S-54 and/or S-55 project shall be subject to the leak and repair requirements of Regulation 8, Rule 18. (basis: Regulation 8, Rule 18)

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

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

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included only 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.

Table VII-A
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 Regulation 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 Regulation 9-1-309	Y		Gaseous emissions from any source at an H2SO4 plant shall not exceed 300 ppm SO2 @ 12% oxygen	BAAQMD Regulation 9-1-502	C	CEM
H2SO4	BAAQMD Regulation 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

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-A
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	BAAQMD Regulation 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 Regulation 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
SO3 and H2SO4 Emission Limit	BAAQMD 6-320	Y		0.04 grain/dscf	BAAQMD Condition #17734, part 22	P/Annual	Source Test
SO3 and H2SO4 Emission Limit	BAAQMD 6-320	Y		0.04 grain/dscf	BAAQMD Condition #17734, parts 17 and 24	P/D	pH monitoring
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for < 3 min/hr	BAAQMD Condition #17734, parts 17 and 24	P/D	pH monitoring
FP	BAAQMD 6-310	Y		0.15 grain/dscf	BAAQMD Condition #17734, part 22	P/Annual	Source Test

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-A
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
FP	BAAQMD 6-310	Y		0.15 grain/dscf	BAAQMD Condition #17734, parts 17 and 24	P/D	pH monitoring
	BAAQMD 6-311	Y		$4.10P^{0.67}$ 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 6-311	Y		$4.10P^{0.67}$ 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		438,000 tons sulfuric acid per year	BAAQMD Condition #17734, Part 15	P/M	records

Table VII-B
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	Y		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
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
CO	BAAQMD 9-7-301.2	Y		Emissions shall not exceed 400 ppmv @ 3% O2	BAAQMD Condition #17734, part 22	P/Every 5 years	Source Test
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 6-301	Y		Ringelmann No. 1 for < 3 min/hr		N	
FP	BAAQMD 6-310.3	Y		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
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 6-301	Y		Ringelmann No. 1 for < 3 min/hr		N	
FP	BAAQMD 6-310	Y		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
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
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
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
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
S-38 Sulfur Dioxide Transload System

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 Regulation 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)		N	
Through-put Limits	BAAQMD Condition #17734, Part 8	Y		648 tons per day	BAAQMD Condition #17734, part 15	P/M	monthly records
	BAAQMD Condition #17734, Part 13	Y		236,500 tons per year	BAAQMD Condition #17734, part 15	P/M	monthly records

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-I
S-48 PEP Conveying and Sizing Subsystem

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 Condition #2756, Part 1	Y		Ringelmann 0.5 for no more than 3 minutes in any hour	BAAQMD Condition #2756, Part 19	P/A	visible inspection and records
	BAAQMD Regulation 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hourr	BAAQMD Condition #2756, Part 19	P/A	visible inspection and records
FP	BAAQMD Condition #2756, Part 3a	Y		3.3 lb/hr for S-48 and S-49 combined	BAAQMD Condition #2756, Parts 8 and 17	P/M	pressure drop monitoring
	BAAQMD Regulation 6-310	Y		0.15 gr/dscf	BAAQMD Condition #2756, Parts 7 and 17	P/M	pressure drop monitoring
	BAAQMD Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #2756, Parts 7 and 17	P/M	pressure drop monitoring
Through-put Limit	BAAQMD Condition #2756, Part 9	Y		500 tons of zinc-hydroxide cake and/or recycled zinc material per year	BAAQMD Condition #2756, part 16	P/M	Monthly records
	BAAQMD Condition #2756, Part 10	Y		1.4 tons of zinc-hydroxide cake and/or recycled zinc material per calendar day	BAAQMD Condition #2756, part 16	P/M	monthly records

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-J
S-49 PEP Fluidized Bed Dryer Subsystem

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 Condition #2756, Part 1	Y		Ringelmann 0.5 for no more than 3 minutes in any hour	BAAQMD Condition #2756, Part 19	P/A	visible inspection and records
	BAAQMD Regulation 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hourr	BAAQMD Condition #2756, Part 19	P/A	visible inspection and records
FP	BAAQMD Condition #2756, Part 3a	Y		3.3 lb/hr for S-48 and S-49 combined	BAAQMD Condition #2756, Parts 8 and 17	P/M	pressure drop monitoring
	BAAQMD Regulation 6-310	Y		0.15 gr/dscf	BAAQMD Condition #2756, Parts 7 and 17	P/M	pressure drop monitoring
	BAAQMD Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #2756, Parts 7 and 17	P/M	pressure drop monitoring
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	

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-J
S-49 PEP Fluidized Bed Dryer Subsystem

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 Condition #2756, Part 3b	Y		1.1 lb/hr	BAAQMD Condition #2756, Part 21	P/every five years	source test
Dryer Temp. Limits	BAAQMD Condition 2756, Part 4	Y		inlet temperature < 600 degrees F and outlet temperature < 300 degrees F	BAAQMD Condition 2756, Part 5	C	Measuring/ recording instrumen-tation
Through-put Limit	BAAQMD Condition #2756, Part 11	Y		500 tons of zinc-hydroxide cake and/or recycled zinc material per year	BAAQMD Condition #2756, part 16	P/M	monthly records
	BAAQMD Condition #2756, Part 12	Y		1.4 tons zinc-hydroxide cake and/or recycled zinc material per calendar day	BAAQMD Condition #2756, part 16	P/M	monthly records
	BAAQMD Condition #2756, Part 13	Y		6,300,000 standard cubic feet natural gas per year	BAAQMD Condition #2756, part 16	P/M	monthly records
	BAAQMD Condition #2756, Part 14	Y		17,300 standard cubic feet natural gas per calendar day	BAAQMD Condition #2756, part 16	P/M	monthly records

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-K
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 6-301	Y		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-K
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-L
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-L
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 6-301	Y		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-L
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

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-M
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
VOC	BAAQMD 8-5-311.3	Y		95% control of organic vapors		N	
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

Table VII-N
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

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 referenced in Section VI - Applicable Emission Limits & Compliance Monitoring Requirements.

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD 6-310.3	Particulate Weight Limitation for Heat Transfer Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD 6-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD 6-320	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
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

VIII. Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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

IX. PERMIT SHIELD

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)
40 CFR 60, Subpart H	Standards of Performance for Sulfuric Acid Plants (Source constructed prior to rule adoption in 1991 and has not been modified)
40 CFR 60.82	Standards of Performance for Sulfuric Acid Plants (Source constructed prior to 8/17/71 and not modified as defined by 40 CFR 60.14 since 8/17/71)
40 CFR 60.83	Standards of Performance for Sulfuric Acid Plants (Source constructed prior to 8/17/71 and not modified as defined by 40 CFR 60.14 since 8/17/71)

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 111 (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 a petroleum liquid. Therefore, none of these subparts apply to this source.
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 The tank is less than 420,000 gallon capacity, thus it is exempt from Ka because of size. This tank is 45,000 gallons.
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 1978 and has not been modified, therefore, Subparts Ka and Kb do not apply because of age.
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.

IX. Permit Shield

X. GLOSSARY

ACT
Federal Clean Air Act

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

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

District
The Bay Area Air Quality Management District

EPA
The federal Environmental Protection Agency.

Excluded
Not subject to any District regulations.

IX. Glossary

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.

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.

H2SO4
Sulfuric Acid

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.

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.

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.

IX. Glossary

NSPS
Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the 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 for the emissions from a new or modified source. Applies to emissions of POC, NOx, PM10, and SO2.

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.

IX. Glossary

SO2
Sulfur dioxide

SO3
Sulfur trioxide

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

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

XI. APPLICABLE STATE IMPLEMENTATION PLAN

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

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