Bay Area Air Quality Management District

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

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:
California Oils Corporation
Site #A0927

Site Address:
1145 Harbour Way South
Richmond, CA 94804

Mailing Address:
1145 Harbour Way South
Richmond, CA 94804

Responsible Official	**Facility Contact**
Dan Maclean,	Robert Delmont,
Operations Manager	Manager of Safety, Health, & Environmental
(510) 231-6456	(510) 231-6423

Type of Facility:	Vegetable Oil Manufacturing	BAAQMD Permit Division Contact:
Primary SIC:	2076	M.K. Carol Lee
Product:	Edible Vegetable Oil	Senior Air Quality Engineer

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Peter Hess for Ellen Garvey — November 28, 2001
Ellen Garvey, Executive Officer/Air Pollution Control Officer — Date

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I. STANDARD CONDITIONS

A. Administrative Requirements

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

BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 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 November 28, 2001 and expires on October 31, 2006. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than April 30, 2006, and no earlier than October 31, 2005. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after** October 31, 2006**.** (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)

I. Standard Conditions

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

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

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

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

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

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

10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions 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

I. Standard Conditions

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

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

F. Monitoring Reports

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. The first reporting period for this permit shall November 28, 2001 to April 30, 2002. The report shall be submitted by May 31, 2002. Subsequent reports shall be for the following periods: May 1st through October 31st and November 1st through April 30th, and are due on the last day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

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

(Regulation 2-6-502, 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 November 1st to October 31st. The certification shall be submitted by November 30th 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 should be sent to the Environmental Protection Agency at the following address:

Director of the Air Division
USEPA, Region IX

I. Standard Conditions

75 Hawthorne Street
San Francisco, CA 94105
Attention: Air-3

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

H. Emergency Provisions

1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)

2. The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. (MOP Volume II, Part 3, §4.8)

3. Notwithstanding the foregoing, 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)

II. EQUIPMENT LIST

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-2	Dowtherm Vaporizer-Deodorizer No. 2 (natural gas fuel oil standby)	Eclipse	3000	4.6 MM BTU/hr
S-5	Steam Boiler #5 (natural gas or fuel oil standby)	S.E. Co. EC2-S-C1	No. 90	40 MM BTU/hr
S-6	Extractor System	Blaw Knox Rotocell	NA	NA
S-8	Steam Boiler #6 (natural gas or fuel oil standby)	Cleaver Brooks	DLD-68-E	65 MM BTU/hr
S-11	Soapstock Reactor #1	Custom designed	NA	NA
S-12	Soapstock Reactor #2	Custom designed	NA	NA
S-13	Soapstock Reactor #3	Custom designed	NA	NA
S-23	Desolventizer/Toaster/ Cooler S-3 (now part of S-23)	Anderson design		500 tons/day vegetable Oil seeds, 4500 gal/hr
S-24	Solvent separator	Custom design	NA	2,200 gallons
S-25	Underground Storage Tank Hexane	10.5 ft dia. x 20.8 ft length	standard	15,000 gallons
S-27	Meal Loading System	ESI design	NA	11.5 tons/hr
S-28	Meal Grinder	Reitz Desintegrator	RD-18-H32	9.5 tons/hr
S-29	Meal Grinder	Reitz Desintegrator	RD-18-H32	9.5 tons/hr
S-30	Meal Grinder	Reitz Desintegrator	RD-18-H32	9.5 tons/hr
S-31	Meal Grinder	Reitz Desintegrator	RD-18-H32	9.5 tons/hr
S-32	Meal Grinder	Reitz Desintegrator	RD-18-H32	9.5 tons/hr
S-33	Clay Silo #1 (storage tank)	Locally fabricated	NA	120 tons
S-34	Clay Silo #2 (storage tank)	Locally fabricated	NA	120 tons
S-35	Clay Silo #3 (storage tank)	Locally fabricated	NA	60 tons
S-36	Clay Silo #4 (storage tank)	Locally fabricated	NA	60 tons
S-37	Meal Silo #1	Custom	NA	250 ton capacity
S-38	Meal Silo #2	Custom	NA	250 ton capacity
S-39	Meal Silo #3	Custom	NA	250 ton capacity
S-40	Meal Silo #4	Custom	NA	250 ton capacity
S-41	Meal Silo #5	Custom	NA	250 ton capacity
S-42	Meal Silo #6	Custom	NA	250 ton capacity

II. Equipment List

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-43	Seed Storage Warehouse # 1 (Cement Bldg) with Hopper and Enclosed Conveyor	Custom	NA	NA
S-44	Seed Storage Warehouse # 2 (Metal Bldg) with Hopper and Enclosed Conveyor	Custom	NA	NA

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Required Efficiency
A-1	Water-cooled Vent Condenser	S-6, S-23, S-24 & S-25	Regulation 8-41-301	16 gpm of water	NA
A-2	Soapstock Reactor Vent Scrubbing System	S-11, S-12 & S-13		NA	NA
A-3	Ozonator	S-6 & S-23	Regulation 7 Odorous Substances	NA	NA
A-4	Packed-Bed Mineral Oil Scrubber, 16” dia. w/Berl saddles	S-23, S-24 & S-25 Desolventizer/Detoaster	Regulation 8, Rule 41	NA	95%
A-5	DT Condenser, water cooled, shell and tube	S-23, Desolventizer/Detoaster	Regulation 8, Rule 41	NA	NA
A-6	1st Effect condenser	S-23	Regulation 8, Rule 41	NA	NA
A-8	Vapor Contactor	S-23	Recovery hexane	NA	NA
A-9	High Efficiency Cyclone	S-23	BAAQMD Reg 6-310	NA	0.15 gr./dscf

II. Equipment List

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Required Efficiency
A-11	Wet Scrubber	S-23	BAAQMD Reg 6-310	NA	0.01 gr./dscf
A-27	Meal Loading Baghouse, Rees Blow Pipe Mfg.	S-27	BAAQMD Reg 6-310	NA	0.15 gr./dscf
A-28	Meal Grinding Baghouse, Mikro-D Pulsaire Collector, Type 30-6, 212 sq. ft.	S-28, S-29, S-30, S-31 & S-32	BAAQMD Reg 6-310	NA	0.15 gr./dscf
A-33	Clay Silo Baghouse, Farr, Tenkay Dust Collector, Model 5-C, 1200 sq. ft	S-33, S-34, S-35 & S-36	BAAQMD Reg 6-310	NA	0.15 gr./dscf

III. GENERAL 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 rules and the version of the rules in the SIP. All sources must comply with both versions of the rule until EPA has reviewed and approved the District's revision of the regulation.

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (5/02/01)	N
SIP Regulation 1	General Provisions and Definitions (8/27/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (8/1/01)	Y
BAAQMD 2-1-429	Federal Emissions Statement	Y
SIP Regulation 2, Rule 1	General Requirements (8/27/99)	Y
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y
BAAQMD Regulation 5	Open Burning (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

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Miscellaneous Operations (11/4/98)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (12/20/95)	Y
BAAQMD Regulation 8, Rule 5	Storage of Organic Liquids (12/15/99)	N
SIP Regulation 8, Rule 5	Storage of Organic Liquids (8/25/97)	Y
SIP Regulation 8, Rule 8	Wastewater (oil-water) Separators (10/28/94)	Y
BAAQMD Regulation 8, Rule 18	Organic Compounds- Equipment Leaks (1/7/98)	N
SIP Regulation 8, Rule 18	Valves and Connectors at Petroleum complexes, chemical Plants, Bulk Plants and Bulk Terminals (3/4/92)	Y
SIP Regulation 8, Rule 25	Pump and Compressor Seals at Petroleum Refineries, Chemical Plants, Bulk Plants and Bulk Terminals (8/7/95)	Y
SIP Regulation 8, Rule 41	Organic Compounds –Vegetable Oil Manufacturing Operations (8/7/95)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	Y
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)	Y
BAAQMD Regulation 9, Rule 1	Inorganic gaseous Pollutants (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)	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
Source-specific Applicable Requirements
S-2, Dowtherm Vaporizer-Deodorizer No. 2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (7/11/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Corrected to standard conditions, 6% oxygen by volume	Y	
6-401	Appearance Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants-Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations	Y	
9-1-304	Low Fuel Usage Requirement	Y	

IV. Source-specific Applicable Requirements

Table IV-A
Source-specific Applicable Requirements
S-2, Dowtherm Vaporizer-Deodorizer No. 2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 9, Rule 7	**Inorganic Gaseous Pollutants-Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and process Heaters**		
9-7-305	Natural Gas Curtailment- Non-Gaseous-Fuel	Y	
9-7-305.1	Natural Gas Curtailment-Non-Gaseous Fuel: NOx Limit	Y	
9-7-305.2	Natural Gas Curtailment-Non-Gaseous Fuel: CO Limit	Y	
9-7-306	Equipment Testing-Non-Gaseous Fuel	Y	
9-7-503	Records	Y	
BAAQMD Condition # 18023			
Part 1	Annual source test (basis: Regulation 9-7-302, 2-6-409.2)	Y	
Part 2	Fuel certification (basis: Regulation 9-1-304, 2-6-409.2)	Y	
Part 3	Visible emissions monitoring (basis: Regulation 6-301, Regulation 2-6-409.2)	Y	

Table IV-B
S-5, Steam Boiler #5

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (7/11/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Corrected to standard conditions, 6% oxygen by volume	Y	
6-401	Appearance Emissions	Y	

IV. Source-specific Applicable Requirements

Table IV-B
S-5, Steam Boiler #5

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants-Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	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**		
9-7-301	Emission Limits-Gaseous Fuel	Y	
9-7-301.1	Emission Limits-Gaseous Fuel NOx	Y	
9-7-301.2	Emission Limits-Gaseous Fuels-CO	Y	
9-7-302	Emission Limits – Non- Gaseous Fuel	Y	
9-7-302.1	Emission Limits-Non-Gaseous Fuels-NOx	Y	
9-7-302.2	Emission Limits-Non-Gaseous Fuels-CO	Y	
9-7-303	Emission Limits-Gaseous and Non-Gaseous Fuels	Y	
9-7-304	Emission Limits, Interim RACT	Y	
9-7-305	Natural Gas Curtailment- Non-Gaseous-Fuel	Y	
9-7-305.1	Natural Gas Curtailment-Non-Gaseous Fuel: NOx Limit	Y	
9-7-305.2	Natural Gas Curtailment-Non-Gaseous Fuel: CO Limit	Y	
9-7-306	Equipment Testing-Non-Gaseous Fuel	Y	
9-7-501	Combination of Different Fuels	Y	
9-7-503	Records	Y	
BAAQMD Condition # 18024			
Part 1	Annual source test (basis: Regulation 9-7-302, 2-6-409.2)	Y	
Part 2	Fuel certification (basis: Regulation 9-1-304, 2-6-409.2)	Y	
Part 3	Visible emissions monitoring (basis: Regulation 6-301, Regulation 2-6-409.2)	Y	

IV. Source-specific Applicable Requirements

Table IV-C
S-6, Extractor System

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 18	**Organic Compounds – Leak Equipment (1/7/98)**		
8-18-301	General	N	
8-18-302	Valves	N	
8-18-303	Pumps and Compressors	N	
8-18-304	Connections	N	
8-18-306	Non-repairable Equipment	N	
8-18-307	Liquid Leak	N	
8-18-401	Inspection	N	
8-18-402	Identification	N	
8-18-403	Visual Inspection	N	
8-18-404	Alternate Inspection Schedule	N	
8-18-405	Alternate Inspection Reduction Plan	N	
8-18-501	Portable Hydrocarbon Detector	N	
8-18-502	Records	N	
SIP BAAQMD Regulation 8, Rule 18	**Organic Compounds- Valves and Connectors at Petroleum Refinery Complexes, Chemical Plants, Bulks and Bulk Terminals (3/4/92)**		
8-18-301	General	Y	
8-18-302	Valves	Y	
8-18-303	Pumps and Compressors	Y	
8-18-304	Connections	Y	
8-18-306	Non-repairable Equipment	Y	
8-18-307	Liquid Leak	Y	
8-18-401	Inspection	Y	
8-18-402	Identification	Y	
8-18-403	Visual Inspection	Y	
8-18-501	Portable Hydrocarbon Detector	Y	
8-18-502	Records	Y	

IV. Source-specific Applicable Requirements

Table IV-C
S-6, Extractor System

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 8, Rule 25	**Organic Compounds - Pumps and Compressor Seals at Petroleum Refineries, Chemical Plants, Bulk Plants and Bulk Terminals (6/1/94)**		
8-25-301	Pump and Compressor Operating Requirements	Y	
8-25-302	Valves	Y	
8-25-304	Non-repairable	Y	
8-25-305	New or Replaced Pumps and Compressors	Y	
8-25-306	Repeat Leakers	Y	
8-25-307	Liquid Leaks	Y	
8-25-401	Measurement Schedule	Y	
8-25-402	Inspection Plan	Y	
8-25-403	Visual Inspection Schedule	Y	
8-25-404	Records	Y	
8-25-405	Essential Pump and Compressors Identification	Y	
8-25-501	Portable Hydrocarbon Detector	Y	
8-25-503	Records	Y	
8-25-504	Burden of Proof	Y	
BAAQMD Regulation 8, Rule 41	**Organic Compounds-Vegetable Oil Manufacturing Operations (6/1/94)**		
8-41-111	Exemption, Startup and Shutdown	Y	
8-41-301	Extractor, Desolventizer-Toaster	Y	
8-41-303	Equipment in Organic Service	Y	
8-41-501	Portable Hydrocarbon Detector	Y	
8-41-502	Recordkeeping	Y	
8-41-503	Air Pollution Abatement Equipment, Recordkeeping Requirements	Y	
8-41-601	Determination of Emissions	Y	
BAAQMD Condition # 18025			
Part 1	Temperature monitor of vegetable seed material (basis: Regulation 8-41-301, 2-6-409.2)	Y	

IV. Source-specific Applicable Requirements

Table IV-C
S-6, Extractor System

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Temperature monitor of cooling water material (basis: Regulation 8-41-301, 2-6-409.2)	Y	
Part 3	Annual source test (basis: Regulation 8-41-301, 2-6-409.2)	Y	
Part 4	Inspection and recordkeeping (basis: Regulation 8-18, 8-41-303, 2-6-409.2)	Y	

Table IV-D
S-8, Steam Boiler #6

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (7/11/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Corrected to standard conditions, 6% oxygen by volume	Y	
6-401	Appearance Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants-Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	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**		
9-7-301	Emission Limits-Gaseous Fuel	Y	
9-7-301.1	Emission Limits-Gaseous Fuel NOx	Y	
9-7-301.2	Emission Limits-Gaseous Fuels-CO	Y	
9-7-302	Emission Limits – Gaseous Fuel	Y	

IV. Source-specific Applicable Requirements

Table IV-D
S-8, Steam Boiler #6

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-7-302.1	Emission Limits-Non-Gaseous Fuels-NOx	Y	
9-7-302.2	Emission Limits-Non-Gaseous Fuels-CO	Y	
9-7-303	Emission Limits-Gaseous and Non-Gaseous Fuels	Y	
9-7-304	Emission Limits, Interim RACT	Y	
9-7-305.1	Natural Gas Curtailment-Non-Gaseous Fuel: NOx Limit	Y	
9-7-305.2	Natural Gas Curtailment-Non-Gaseous Fuel: CO Limit	Y	
9-7-306	Equipment Testing-Non-Gaseous Fuel	Y	
9-7-501	Combination of Different Fuels	Y	
9-7-503	Records	Y	
BAAQMD Condition # 18024			
Part 1	Annual source test (basis: Regulation 9-7-302, 2-6-409.2)	Y	
Part 2	Fuel certification (basis: Regulation 9-1-304, 2-6-409.2)	Y	
Part 3	Visible emissions monitoring (basis: Regulation 6-301, Regulation 2-6-409.2)	Y	

Table IV-E
S-11, Soapstock Reactor #1
S-12, Soapstock Reactor #2
S-13, Soapstock Reactor #3

Applicable Requirement	Regulation Title or Description of Requirements	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	

IV. Source-specific Applicable Requirements

Table IV-E
S-11, Soapstock Reactor #1
S-12, Soapstock Reactor #2
S-13, Soapstock Reactor #3

Applicable Requirement	Regulation Title or Description of Requirements	Federally Enforceable (Y/N)	Future Effective Date
6-401	Appearance Emissions	Y	
BAAQMD Condition # 1981			
Part 1	Abatement (basis: BACT; Cumulative Increase)	Y	
Part 2	Monitoring (basis: Regulation 6-301; 2-6-409.2)	Y	

Table IV-F
S-23, Desolventizer-Toaster Cooler

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (7/11/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Corrected to standard conditions, 6% oxygen by volume	Y	
6-401	Appearance Emissions	Y	
BAQMD Regulation 8, Rule 18	**Organic Compounds-Equipment Leaks (1/7/98)**		
8-18-301	General	N	
8-18-302	Valves	N	
8-18-303	Pumps and Compressors	N	
8-18-304	Connectors	N	
8-18-305	Pressure Relief Devices	N	
8-18-306	Non-repairable Equipment	N	

IV. Source-specific Applicable Requirements

Table IV-F
S-23, Desolventizer-Toaster Cooler

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-18-307	Liquid Leak	N	
8-18-401	Inspection	N	
8-18-402	Identification	N	
8-18-403	Visual Inspection Schedule	N	
8-18-501	Portable Hydrocarbon Detector	Y	
8-18-502	Records	N	
8-18-601	Analysis	N	
8-18-602	Inspection Procedure	N	
SIP BAAQMD Regulation R Rule 18	**Organic Compounds- Valves and Connectors at Petroleum Refinery Complexes, Chemical Plants, Bulks and Bulk Terminals (3/4/92)**		
8-18-301	General	Y	
8-18-302	Valves	Y	
8-18-303	Pumps and Compressors	Y	
8-18-304	Connections	Y	
8-18-306	Non-repairable Equipment	Y	
8-18-307	Liquid Leak	Y	
8-18-401	Inspection	Y	
8-18-402	Identification	Y	
8-18-403	Visual Inspection	Y	
8-18-501	Portable Hydrocarbon Detector	Y	
8-18-502	Records	Y	
SIP Regulation 8, Rule 25	**Organic Compounds – Pumps and Compressor Seals at Petroleum Refineries, Chemical Plants, Bulk Plants and Bulk Terminals (8/7/95)**		
8-25-301	Pumps Operating Requirements	Y	
8-25-302	Valves	Y	
8-25-304	Non-repairable	Y	
8-25-305	New or Replaced Pumps and Compressors	Y	
8-25-306	Repeat Leakers	Y	
8-25-307	Liquid Leaks	Y	
8-25-401	Measurement Schedule	Y	

IV. Source-specific Applicable Requirements

Table IV-F
S-23, Desolventizer-Toaster Cooler

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-25-402	Inspection Plan	Y	
8-25-403	Visual Inspection Schedule	Y	
8-25-404	Records	Y	
8-25-405	Essential Pump and Compressors Identification	Y	
8-25-501	Portable Hydrocarbon Detector	Y	
8-25-503	Records	Y	
8-25-504	Burden of Proof	Y	
BAAQMD Regulation 8, Rule 41	**Organic Compounds-Vegetable Oil Manufacturing Operations (6/01/94)**		
8-41-111	Exemption, Startup and Shutdown	Y	
8-41-301	Extractor, Desolventizer-Toaster	Y	
8-41-301.1	Abatement Efficiency		
8-41-302	Conveyor, Desolventizer-Toaster	Y	
8-41-303	Equipment in Organic Service	Y	
8-41-501	Portable Hydrocarbon Detector	Y	
8-41-502	Recordkeeping	Y	
8-41-601	Determination of Emissions	Y	
NESHAPS Part 63 Subpart A	**GENERAL PROVISIONS**		
63.1	Applicability	Y	
63.4	Prohibited activities and circumvention	Y	
63.5	Construction/reconstruction	Y	
63.6	Applicability of General Provisions	Y	
63.6(e)	Operational and maintenance requirements	Y	
63.6(h)	No Opacity/visible emission (VE) standards	Y	
63.6(i)	Compliance extension-procedure and criteria	Y	
63.6(j)	Presidential compliance exemption	Y	
63.7	Performance testing requirements	Y	
63.9	Notification requirements-applicability and state delegation	Y	
63.9(b)(3-5)	Notification requirements for certain new/reconstructed sources	Y	

IV. Source-specific Applicable Requirements

Table IV-F
S-23, Desolventizer-Toaster Cooler

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.9(e)	Notification of responsible agency	Y	
63.10	Record keeping/reporting-schedule	Y	
63.10(b)(2)(i)	Record any startup, shutdown or malfunction event	Y	
63.10(b)(2)(viii)	Conditions of performance	Y	
63.10(d)(2)	Reporting performance test	Y	
63.10(d)(4)	Progress reports	Y	
63.12	State authority and delegation	Y	
63.13	State/regional addresses	Y	
63.14	Incorporation by reference-test methods	Y	
63.15	Availability of information and confidentiality	Y	
NESHAPS 40 CFR Part 63 Subpart GGGG	**National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production**		
63.2833	Is my source categorized as existing or new?	Y	
63.2834	When do I have to comply with the standards in this subpart?	Y	
63.2840	What emission requirements must I meet?	Y	
63.2840(b)	Calculation of compliance ratio	Y	
63.2850	How do I comply with the hazardous air pollutant emission standards?	Y	
63.2850(a)	General requirements	Y	
63.2850(a)(1)	Initial notification for existing sources	Y	
63.2850(a)(1)(iv)(2)	Notification of compliance status	Y	
63.2850(3)	Development of a written startup shutdown and malfunction plan	Y	
63.2850(4)	Recordkeeping	Y	
63.2850(5)	Submission of reports	Y	
63.2850(5)(i)	Annual compliance certifications	Y	
63.2850(5)(ii)	Periodic SSM reports	Y	
63.2850(6)	Submission of all notification and reports and recordkeeping	Y	

IV. Source-specific Applicable Requirements

Table IV-F
S-23, Desolventizer-Toaster Cooler

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.2850(6)(b)	Existing sources under normal operation	Y	
63.2850(6)(d)	Existing or new sources that have been significantly modified	Y	
63.2850 Table 2	Record keeping schedule	Y	
63.2851	What is a plan for demonstrating compliance?	Y	
63.2852	What is a startup, shutdown and malfunction plan?	Y	
63.2853	How do I determine the actual solvent loss?	Y	
63.2854	How do I determine the weighted average volume fraction of HAP in the actual solvent loss?	Y	
63.2855	How do I determine the quantity of oilseed processed?	Y	
63.2860	What notifications must I submit and when?	Y	
63.2861	What reports must I submit and when?	Y	
63.2862	What records must I keep?	Y	
63.2863	In what form and how long must I keep my records?	Y	
63.2870	What parts of the General Provisions apply to me?	Y	
63.2871	Who implements and enforces this subpart?	Y	
BAAQMD Condition # 10504			
Part 1	Process material limitation (basis: Cumulative Increase)	Y	
Part 2	Maximum throughput limit (basis: Cumulative Increase)	Y	
Part 3	Abatement (basis: BACT; Cumulative Increase)	Y	
Part 4	Organic Abatement (basis: BACT; Cumulative Increase)	Y	
Part 5	Temperature measuring devices (basis: BACT, Cumulative Increase)	Y	
Part 6	Temperature measure devices (basis: BACT)	Y	
Part 7	Annual Source Test (basis: BACT, Cumulative Increase)	Y	
Part 8	Abatement efficiency (basis: BACT)	Y	
Part 9	Sample test ports (basis: BACT)	Y	
Part 10	Quarterly inspection (basis: BACT)	Y	
Part 11	Particulate abatement (basis: BACT)	Y	
Part 12	Visible emissions limit (basis: BACT; Regulation 1-301)	Y	
Part 13	Grain loading rate (basis: BACT)	Y	

IV. Source-specific Applicable Requirements

Table IV-F
S-23, Desolventizer-Toaster Cooler

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 14	Pressure drop monitor (basis: BACT)	Y	
Part 15	Graphitic gaskets and repair of connector leaks (basis: BACT)	Y	
Part 16	Repair of valve leaks (basis: BACT)	Y	
Part 17	Repair of pump leaks (basis: BACT)	Y	
Part 18	Hexane limit (basis: Cumulative Increase)	Y	
Part 19	Quarterly sampling for hexane (basis: Cumulative Increase)	Y	
Part 20	Laboratory analysis for hexane and retention of records (basis: BACT & cumulative increase)	Y	
Part 21	Daily recordkeeping of material processed and retention of records (basis: Cumulative Increase)	Y	
Part 22	Daily recordkeeping of net hexane usage and retention of records (basis: Cumulative Increase)	Y	
Part 23	Daily recordkeeping of pressure drop monitor (basis: BACT)	Y	

Table IV-G
S-24, Hexane Solvent Separator

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAQMD Regulation 8, Rule 18	**Organic Compounds-Equipment Leaks (1/7/98)**		
8-18-301	General	N	
8-18-302	Valves	N	
8-18-303	Pumps and Compressors	N	
8-18-304	Connectors	N	
8-18-305	Pressure Relief Devices	N	
8-18-306	Non-repairable Equipment	N	
8-18-307	Liquid Leak	N	
8-18-401	Inspection	N	
8-18-402	Identification	N	

IV. Source-specific Applicable Requirements

Table IV-G
S-24, Hexane Solvent Separator

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-18-403	Visual Inspection Schedule	N	
8-18-501	Portable Hydrocarbon Detector	Y	
8-18-502	Records	N	
8-18-601	Analysis	N	
8-18-602	Inspection Procedure	N	
SIP BAAQMD Regulation R Rule 18	**Organic Compounds- Valves and Connectors at Petroleum Refinery Complexes, Chemical Plants, Bulks and Bulk Terminals (3/4/92)**		
8-18-301	General	Y	
8-18-302	Valves	Y	
8-18-303	Pumps and Compressors	Y	
8-18-304	Connections	Y	
8-18-306	Non-repairable Equipment	Y	
8-18-307	Liquid Leak	Y	
8-18-401	Inspection	Y	
8-18-402	Identification	Y	
8-18-403	Visual Inspection	Y	
8-18-501	Portable Hydrocarbon Detector	Y	
8-18-502	Records	Y	
SIP Regulation 8, Rule 25	**Organic Compounds – Pumps and Compressor Seals at Petroleum Refineries, Chemical Plants, Bulk Plants and Bulk Terminals (8/7/95)**		
8-25-301	Pumps Operating Requirements	Y	
8-25-302	Valves	Y	
8-25-304	Non-repairable	Y	
8-25-305	New or Replaced Pumps and Compressors	Y	
8-25-306	Repeat Leakers	Y	
8-25-307	Liquid Leaks	Y	
8-25-401	Measurement Schedule	Y	
8-25-402	Inspection Plan	Y	
8-25-403	Visual Inspection Schedule	Y	
8-25-404	Records	Y	

IV. Source-specific Applicable Requirements

Table IV-G
S-24, Hexane Solvent Separator

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-25-405	Essential Pump and Compressors Identification	Y	
8-25-501	Portable Hydrocarbon Detector	Y	
8-25-503	Records	Y	
8-25-504	Burden of Proof	Y	
BAAQMD Regulation 8, Rule 41	**Organic Compounds-Vegetable Oil Manufacturing Operations (6/01/94)**		
8-41-111	Exemption, Startup and Shutdown	Y	
8-41-303	Equipment in Organic Service	Y	
8-41-501	Portable Hydrocarbon Detector	Y	
8-41-502	Recordkeeping	Y	
8-41-601	Determination of Emissions	Y	
BAAQMD Condition # 10504			
Part 24	Flange graphitic gaskets (basis: BACT)	Y	
Part 25	Connectors graphitic gaskets and repair of leaks (basis: BACT)	Y	
Part 26	Diaphragm valves and repair of leaks.	Y	
Part 27	Mechanically coupled pumps and repair of leaks (basis: BACT)	Y	
Part 28	Abatement (basis: BACT)	Y	
Part 29	Process material limitation (basis: BACT)	Y	
Part 30	Daily recordkeeping (basis: Cumulative Increase)	Y	
Part 31	Inspections and monitoring (basis: Regulation 2-6-409.2)	Y	

IV. Source-specific Applicable Requirements

Table IV-H
S-25, Underground Hexane Storage Tank

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Organic Compounds , Storage of Organic Liquids (12/15/99)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-301	Storage Tanks Smaller than 150 m^3	N	
8-5-328	Tank Cleaning Requirements	Y	
8-5-501	Records	N	
SIP Regulation 8, Rule 5	**Provision No Longer in Current Rule Organic Compounds, Storage Organic Liquids (1/20/93)**		
8-5-301	Storage Tanks Smaller than 75 m^3	Y[1]	
8-5-501	Records	Y[1]	
BAAQMD Condition # 12261			
Part 1	Abatement (basis: BACT & Cumulative increase)	Y	
Part 2	Throughput of hexane (basis: BACT & Cumulative increase)	Y	
Part 3	Storage limitation (basis: BACT; Cumulative increase)	Y	
Part 4	Daily recordkeeping (basis: BACT; Cumulative Increase)	Y	

[1] This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV-I
S-27, Meal Loading System

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	

IV. Source-specific Applicable Requirements

Table IV-I
S-27, Meal Loading System

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition # 13055			
Part 1	Abatement (basis: BACT)	Y	
Part 2	Monthly recordkeeping and retention of records (basis: Cumulative Increase)	Y	
Part 9	Visible emissions monitoring (basis: Regulation 6-301, Regulation 2-6-409.2)	Y	

IV. Source-specific Applicable Requirements

Table IV-J
S-28, Primary Grinder #1, Rietz Disintegrator

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition # 13055			
Part 3	Abatement (basis: BACT)	Y	
Part 4	Monthly recordkeeping and retention of records (basis: Cumulative Increase)	Y	
Part 9	Visible emissions monitoring (basis: Regulation 6-301, Regulation 2-6-409.2)	Y	

Table IV-J
S-29, Primary Grinder #2; Reitz Disintegator

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	

IV. Source-specific Applicable Requirements

Table IV-J
S-29, Primary Grinder #2; Reitz Disintegator

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 13055			
Part 4	Monthly recordkeeping and retention of records (basis: Cumulative Increase)	Y	
Part 5	Abatement (basis: BACT)	Y	
Part 9	Visible emissions monitoring (basis: Regulation 6-301, Regulation 2-6-409.2)	Y	

Table IV-K
S-30, Primary Grinder #2; Reitz Disintegrator

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition # 13055			
Part 6	Abatement (basis: BACT)	Y	
Part 9	Visible emissions monitoring (basis: Regulation 6-301, Regulation 2-6-409.2)	Y	

IV. Source-specific Applicable Requirements

Table IV-L
S-31, Secondary Grinder #2; Reitz Disintegrator

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition # 13055			
Part 7	Abatement (basis: BACT)	Y	
Part 9	Visible emissions monitoring (basis: Regulation 6-301, Regulation 2-6-409.2)	Y	

Table IV-M
S-32, Final Grinder

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition # 13055			
Part 8	Abatement (basis: BACT)	Y	

IV. Source-specific Applicable Requirements

Table IV-M
S-32, Final Grinder

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 9	Visible emissions monitoring (basis: Regulation 6-301, Regulation 2-6-409.2)	Y	

Table IV-N
S-33, Clay Silo #1; S-34, Clay Silo #2; S-35, Clay Silo #3; S-36, Clay Silo #4

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition # 13055			
Part 10	Throughput limit (basis: Cumulative Increase)	Y	
Part 11	Visible emissions limit (basis: BACT)	Y	
Part 12	Abatement (basis: BACT)	Y	
Part 13	Quarterly recordkeeping and retention of records (basis: Cumulative Increase)	Y	
Part 14	Visible emissions monitoring (basis: Regulation 6-301, Regulation 2-6-409.2)	Y	

IV. Source-specific Applicable Requirements

Table IV-O
S-37, Meal Silo #1
S-38, Meal Silo #2
S-39, Meal Silo #3
S-40, Meal Silo #4
S-41 Meal Silo #5
S-42 Meal Silo #6

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (7/11/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operations (6/15/94)**		
8-2-301	A person shall not discharge into the atmosphere from any miscellaneous operations an emission containing more than 6.8 kg. (15 lbs) per day and containing a concentration of more than 300 ppm total carbon on a dry basis.	Y	
BAAQMD Condition # 17748			
Part 1	Detection of visible emissions and corrective action (basis: Regulation.6-301; 2-6-409.2)	Y	
Part 2	Daily visible inspection and retention of records (basis: Regulation.6-301, 2-6-409.2)	Y	
Part 3	Regulation 8-2 Compliance Verification (basis: Regulation.8-2-301, 2-6-409.2)	Y	

IV. Source-specific Applicable Requirements

Table IV-O
S-43, Seed Storage Warehouse # 1
S-44, Seed Storage Warehouse # 2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (7/11/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operations (6/15/94)**		
8-2-301	A person shall not discharge into the atmosphere from any miscellaneous operations an emission containing more than 6.8 kg. (15 lbs) per day and containing a concentration of more than 300 ppm total carbon on a dry basis.	Y	
BAAQMD Condition # 18026			
Part 1	Detection of visible emissions and corrective action (basis: Regulation. 6-301, 2-6-409.2)	Y	
Part 2	Daily visible inspection and retention of records (basis: Regulation. 6-301, 2-6-409.2)	Y	

V. SCHEDULE OF COMPLIANCE

The permit holder shall continue to 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.

A. Source Specific Permit Conditions

Condition #1981
S-11, Soapstock Reactor
S-12, Soapstock Reactor
S-13, Soapstock Reactor

1. Sources 11, 12, 13, and 14, Soapstock Reactors shall only be operated in series with A-2, Vent Scrubbing System. (basis: BACT; Cumulative Increase)

2. The owner/operator of S-11, 12, 13, and 14 shall maintain weekly records of quantitative visible emissions data of A-2 Vent Scrubbing System using EPA Method 22. The records of visible emissions data shall be retained on site for a minimum of five years from date of entry and be made available on District representatives upon request. (basis: Regulation 6-301; 2-6-409.2)

Condition #10504
S-23, Desolventizer Toaster Cooler

1. No materials other than steam, vegetable seed materials (including extraneous agricultural material ordinarily accompanying vegetable seed materials), and/or hexane shall be processed at S-23. (basis: Cumulative Increase)

2. Not more than 100,000 tons of vegetable seed material (including extraneous agricultural material ordinarily accompanying vegetable seed material) shall be processed, facility wide, at the permittee's vegetable oil manufacturing facility in any

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year long period commencing July 1 and ending June 30. (basis: Cumulative Increase)

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S-23, Desolventizer Toaster Cooler

3. S-23 shall not be operated unless the sample chamber portion of S-23 is abated by A-1 Condenser. (basis: BACT; Cumulative Increase)

4. S-23 shall not be operated unless the overhead vent gas stream from S-23 is abated in series by A-5 DTC Condenser, A-6 Vent Condenser, and A-4 Packed Bed Mineral Oil Scrubber. (basis: BACT; Cumulative Increase)

5. District approved temperature measuring and temperature displaying devices shall be operated at A-4 and A-5 measuring and displaying the temperature of the vegetable seed material (non-cooling water flow) at the entrance of A-5 and at the exit of A-5 and at the exit of A-4. (BACT; Cumulative Increase)

6. District approved temperature measuring and temperature displaying devices shall be installed and continuously operated at A-1, A-5, and A-6 to measure the temperature of the water flow into and out of A-1, A-5, and A-6. (basis: BACT)

7. On an annual basis, a District approved source test shall be conducted for S- 23 to demonstrate that the combined abatement efficiency of A-5, A-1, A-6 and A-4 in the abatement of POCs (precursor organic compounds) is at least 95 percent, by weight. To demonstrate compliance with this permit condition the District approved source test must include a determination of the POC mass emission rate measured in two District approved locations in the process flow. One measurement of the POC mass emission rate must be made at a District approved location in the process flow between S-23 and A-5. Another concurrent measurement of the POC emission rate must be made at a District approved location in the process flow just after A-4. There shall be a reduction in POC mass emissions of at least 95 weight percent as measured between these two points. Process conditions at S-23 during the source test must be such that not less than 150 tons per day of vegetable seed material (excluding hexane) is being processed at S-23 and this seed material must contain at least 28 weight percent hexane. Not more than 1500 ppmw of hexane may be contained in the seed material exiting S-23 as desolventized seed material product as sampled at the S-23 sample chamber. Two identical copies of the source test results and supporting documentation (including

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pertinent process conditions at S-23) referencing S-23 by this alphanumeric and referencing plant number 927, shall be submitted to the attention of the Director of the District's Permit Services Division and received by the District

Condition #10504
S-23, Desolventizer Toaster Cooler

no later than 35 days after the source test is conducted. (basis: BACT; Cumulative Increase)

8. The combined abatement efficiency of A-5, A-1, A-6 and A-4 in the abatement of POCs (precursor organic compounds) shall be at least 95 percent, by weight, as measured at two District approved locations. One of these locations is in the process flow between S-23 and A-5 and the other concurrent measurement of the POC emission rate must be made at a location in the process flow just after A-4. There shall be a reduction in POC mass emissions of at least 95 weight percent as measured between these two points at all times that S-23 is in operation. (basis: BACT)

9. S-23 process equipment, including process piping, shall include District approved source test ports/sample ports which shall enable District staff and/or others to make source testing measurements required to obtain the data necessary to determine compliance with parts 7 and 8 including but not limited to process material mass flow rate and concentration of organic material. (basis: BACT)

10. The permittee shall inspect valves, pumps, and connectors (flanges) at S-23 at least quarterly. Any valve found to be leaking in excess of limits in Regulation 8, Rule 18 is subject to the leak repair requirements of Regulation 8, Rule 18. Records of such inspections shall be kept in accordance with Regulation 8-18-502. (basis: BACT)

11. Particulate emissions from the cooler portion of S-23 shall be vented to and abated by A-7 at all times that S-23 is in operation. (basis: BACT)

12. Particulate matter emissions at/from S-23 and/or A-7 shall not exceed Ringelmann 0.5 or result in fallout on adjacent property in quantities which cause a public nuisance. (basis: BACT; Regulation 1-301)

13. The grain loading at the discharge of A-7 shall be no greater than 0.01 grains/DSCF. (basis: BACT)

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14. A District approved manometer or other District approved device shall be installed and operated at A-7 to monitor the pressure drop across A-7, the baghouse abating the cooler portion of S-23. (basis: BACT)

Condition #10504
S-23, Desolventizer Toaster Cooler

15. All connectors (flanges) at S-23 and all connectors (flanges) situated between S-23 and S-24 shall be fitted with graphitic gaskets. Any connector (flange) found to be leaking in excess of 500 ppmv is subject to the leak repair requirements of Regulation 8, Rule 18. (basis: BACT)

16. All valves (other than remotely actuated process control valves) situated at S-23 and all valves situated between S-23 and S-24 (other than remotely actuated process control valves) shall be District approved diaphragm valves. Any valve found to be leaking in excess of limits indicated in Regulation 8, Rule 18 is subject to the leak repair requirements of Regulation 8, Rule 18. Records of such inspections shall be kept in accordance with Regulation 8-18-502. (basis: BACT)

17. All pumps operated at S-23 and all pumps operated in the process flow between S-23 and S-24 shall be District approved mechanically coupled pumps. Any pump found to be leaking in excess of 1000 ppmv is subject to the leak repair requirements of Regulation 8, Rule 25. (basis: BACT)

18. The desolventized vegetable seed material, as sampled at the S-23 sample chamber, shall contain no more than 1,500 ppmw hexane. (basis: Cumulative Increase)

19. The permittee shall sample the desolventized vegetable seed material (at the S-23 sample chamber) at least once per quarter and conduct a District approved laboratory analysis on this sample to determine the ppmw hexane contained in the desolventized vegetable seed material sample. (basis: Cumulative Increase)

20. The results of each laboratory analysis showing the ppmw hexane content of the desolventized vegetable seed material (as sampled at the S-23 sample chamber) shall be recorded in a District approved log within 5 weeks of the date the sample is taken. This log shall be retained for at least five years from date of entry. This log shall be kept on site and made available to the District staff upon request. (basis: Cumulative Increase)

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Condition #10504
S-23, Desolventizer Toaster Cooler

21. The amount of vegetable seed material processed each day, facility-wide, at the permittee's vegetable oil manufacturing facility shall be recorded daily in a District approved log. This log shall be retained for at least five years from date of entry. This log shall be kept on site and made available to the District staff upon request. (basis: Cumulative Increase)

22. The net amount of hexane used at the permittee's vegetable oil manufacturing facility shall be recorded daily in a District approved log. This log shall be retained for at least five years from date of entry. This log shall be kept on site and made available to the District staff upon request. (basis: Cumulative Increase)

23. A District approved logbook shall be maintained on a weekly basis of the pressure drop across A-7. Records shall be retained for a period of at least 5 years from the date of entry and made available to District staff upon request. (Regulation 2-6-409.2)

24. All flange gaskets situated at S-24 shall be graphitic gaskets. (basis: BACT)

25. All connectors (flanges) at S-24 shall be fitted with graphitic gaskets. Any connector (flange) found to be leaking in excess of 500 ppmv is subject to the leak repair requirements of Regulation 8, Rule 18. (basis: BACT)

26. All valves (other than remotely actuated process control valves) situated at S-24 shall be District approved diaphragm type valves. Any valve found to be leaking in excess of 500 ppmv is subject to the leak repair requirements of Regulation 8, Rule 18. (basis: BACT)

27. All pumps operated at S-24 shall be District approved mechanically coupled pumps. Any pump found to be leaking in excess of 1000 ppmv is subject to the leak repair requirements of Regulation 8, Rule 25. (basis: BACT)

28. S-24 shall be abated in series by A-6 and A-4 at all times that S-24 contains hexane. (basis: BACT)

29. No organic solvent-borne materials other than hexane and vegetable oil shall be processed at S-24. (basis: BACT)

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Condition #10504
S-23, Desolventizer Toaster Cooler

30. The daily amount of effluent hexane material separated from the hexane and water mixture that is sent to S-24 shall be recorded in a District approved log. This log shall be retained for at least five years from date of entry. This log shall be kept on site and made readily available to the District staff upon request. (basis: Cumulative Increase)

31. The permittee shall inspect valves, pumps, and connectors (flanges) at S-24 at least quarterly. Any valve found to be leaking in excess of limits indicated in Regulation 8, Rule 18 is subject to the leak repair requirements of Regulation 8, Rule 18. Records of such inspections shall be kept in accordance with Regulation 8-18-502. (basis: Regulation 8-18, 8-41-303)

Condition #12261
S-25, Underground Storage Tank, Storing: Hexane, Capacity: 15,000

1. S-25 shall be abated in series by A-1 Condenser and A-4 Packed Bed Mineral Oil Scrubber at all times that S-25 emits organic solvent borne material. (basis: BACT; Cumulative Increase)

2. The throughput of hexane at S-25 shall not exceed 365,000 gallons in any rolling 365 consecutive day period. (basis: BACT; Cumulative Increase)

3. No organic solvent-borne material other than hexane and trace amounts of vegetable oil or mineral oil shall be stored at S-25 or sent to S-25 without prior written authorization from the District. (basis: BACT; Cumulative Increase)

4. The throughput of hexane to S-25 shall be recorded daily in a District approved log, in gallons. This log shall be kept on site, retained for at least five years following the date of last entry, and made available to the District staff on request. (basis: BACT; Cumulative Increase)

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Condition #13055
S-27, Meal Loading System
S-28, Primary Grinder #1, Rietz Disintegrator
S-29, Primary Grinder #2, Rietz Disintegrator
S-30, Secondary Grinder #1, Rietz Disintegrator
S-31, Secondary Grinder #2, Rietz Disintegrator
S-32, Final Grinder

1. S-27 shall be abated by A-27 at all times that S-27 emits particulate matter. (basis: BACT)

2. The owner/operator of S-27 shall maintain a District approved log indicating the monthly throughput of vegetable seed material to S-27, in tons. This log shall be retained for at least five years from date of last entry, kept on site, and shall be made available to District staff upon request. (basis: Cumulative Increase)

3. S-28 shall be abated by A-28 at all times that S-28 emits particulate matter. (basis: BACT)

4. The owner/operator of S-28 shall maintain a District approved log indicating the monthly throughput of vegetable seed material to S-28 and S-29 combined, in tons. This log shall be retained for at least five years from date of last entry, kept on site, and shall be made available to District staff upon request. (BACT; Cumulative Increase)

5. S-29 shall be abated by A-28 at all times that S-29 emits particulate matter. (basis: BACT; Cumulative Increase)

6. S-30 shall be abated by A-28 at all times that S-30 emits particulate matter. (basis: BACT)

7. S-31 shall be abated by A-28 at all times that S-31 emits particulate matter. (basis: BACT)

8. S-32 shall be abated by A-28 at all times that S-32 emits particulate matter. (basis: BACT)

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Condition #13055
S-27, Meal Loading System
S-28, Primary Grinder #1, Rietz Disintegrator
S-29, Primary Grinder #2, Rietz Disintegrator
S-30, Secondary Grinder #1, Rietz Disintegrator
S-31, Secondary Grinder #2, Rietz Disintegrator
S-32, Final Grinder

9. The owner/operator of S-28 through S-32 shall maintain weekly records of quantitative visible emissions data of A-28 Baghouse using EPA Method 22. The records of visible emissions data shall be retained on site for a minimum of five years from date of entry and be made available on District representatives upon request. (basis: Regulation 6-301; 2-6-409.2)

Condition #13055
S-33, Clay Silo #1, S-34, Clay Silo #2;
S-35, Clay Silo #3, S-36, Clay Silo #4

10. The total amount of Bleaching Clay (Bentonite Acid- Leached Powder) stored at S-33, S-34, S-35, and S-36 combined shall not exceed 1944 tons in any rolling 365 consecutive day period. (basis: Cumulative Increase)

11. Visible particulate emissions from each of S-33, S-34, S- 35, and S-36 shall not exceed Ringelmann 0.5 or result in fallout on adjacent property in such quantities as to cause a public nuisance. (basis: BACT)

12. S-33, S-34, S-35 and S-36 shall be abated by A-33 at all times that S-33, S-34, S-35 and/or S-36 emits particulate matter. (basis: BACT)

13. The permittee for S-33 through S-36 shall maintain a District approved log indicating the quarterly throughput of Bleaching Clay (Bentonite Acid-Leached Powder) to S-33, S-34, S-35, and S-36 combined, in tons. This log shall be retained for at least five years from date of last entry, kept on site, and shall be made available to District staff upon request. (basis: Cumulative Increase)

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Condition #13055
S-33, Clay Silo #1, S-34, Clay Silo #2;
S-35, Clay Silo #3, S-36, Clay Silo #4

14. The owner/operator of S-33 through S-36 shall maintain weekly records of quantitative visible emissions data of A-33 Baghouse using EPA Method 22. The records of visible emissions data shall be retained on site for a minimum of five years from date of entry and be made available on District representatives upon request. (basis: Regulation 6-301; 2-6-409.2)

Condition #17748
S-37 Meal Silo #1, S-38 Meal Silo #2, S-39 Meal Silo #3,
S-40 Meal Silo #4, S-41 Meal Silo #5, S-42 Meal Silo #6

1. In order to verify compliance with the standards of Regulation 6, the Silos (S-37 through S-42) shall be inspected daily for visible emissions. If any visible emissions are detected, the operator shall take corrective action within one hour upon detection of visible emissions, and check for visible emissions after corrective action is taken. (basis: Regulation 6-301, 2-6-409.2)

2. The operator shall keep records of the results of the daily visible emissions inspection, including the name of the person performing the visible emissions check, all corrective action taken, and all instances which operator was unable to correct visible emissions problems. The records shall be retained for five (5) years and shall be made available to District personnel upon request. (basis: Regulation 6-301, 2-6-409.2)

3. In order to verify compliance with the standards of Regulation 8-2 and before venting of the vapor space of any silo (S-37 through S-42) occurs, the operator shall:
   a. Analyze the organic concentration in the silo's vapor space (ppmv)
   b. Determine the temperature (in degrees Celsius) of the vapor space (T)
   c. Determine the pumping rate (in liters per minute) of the nitrogen to vent the silo (PUMP)
   d. Total amount of time (in minutes) required to vent headspace (t)

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Condition #17748
S-37 Meal Silo #1, S-38 Meal Silo #2, S-39 Meal Silo #3,
S-40 Meal Silo #4, S-41 Meal Silo #5, S-42 Meal Silo #6

e. Estimate the organic emissions (in pounds) in the headspace, using the following equation:
POC per silo (lbs) = [(PUMP)(t)(ppmv/1E6)(1)(86)]/[(0.08206)
(T + 273)(454)]

f. Record all items (a through e) in a log with the date of venting. The records shall be retained for five (5) years and shall be made available to District personnel upon request.

g. If calculated emissions of POC exceed 15 pounds per day per silo, then the owner/operator shall report this violation of Regulation 8-2-301 to the Enforcement Division within 1 day of discovery of this violation.

(basis: Regulation 8-2-301, 2-6-409.2)

Condition # 18023
S-2 Dowtherm Vaporizer Deodorizer No. 2

1. A District approved source test shall be performed on an annual basis on S-2 Dowtherm Vaporizer Deodorizer No. 2 to verify compliance with the NOx and CO emission standards of Regulation 9-7-305 and 9-7-306 in accordance with the District's Manual of Procedures. The owner/operator shall notify the Manager of the District's Source Test Section at least seven (7) days prior to the test, to provide the District staff the option of observing the testing. Within 45 days of test completion, a comprehensive report of the test results shall be submitted to the Manager of the District's Source Test Section. (basis: Regulation 9-7-305, 9-7,306, 2-6-409.2)

2. The sulfur content of the fuel oil shall be certified by the fuel oil vendor to meet the standard of Regulation 9-1-304. [basis: Regulation 9-1-304, 2-6-409.2]

3. S2, Dowtherm Vaporizer Deodorizer No. 2, shall be checked for visible emissions after combustion of one million gallons of fuel oil at each boiler. The visible emissions check shall take place while the equipment is operating and during daylight hours. If any visible emissions are detected, the operator shall take corrective action within one week, and check for visible emissions after corrective action is taken. If no visible emissions are detected, the

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Condition # 18023
S-2 Dowtherm Vaporizer Deodorizer No. 2

operator shall continue to check for visible emissions at the same frequency. (basis: Regulation 6, 2-6-409.2)

Condition # 18024
S-5 Steam Boiler #5
S-8 Steam Boiler #6

1. A District approved source test shall be performed on an annual basis on each boiler to verify compliance with the NOx and CO emission standards of Regulation 9-7-301 and 9-7-302 in accordance with the District's Manual of Procedures. The owner/operator shall notify the Manager of the District's Source Test Section at least seven (7) days prior to the test, to provide the District staff the option of observing the testing. Within 45 days of test completion, a comprehensive report of the test results shall be submitted to the Manager of the District's Source Test Section. (basis: Regulation 9-7-305, 9-7-306, 2-6-409.2)

2. The sulfur content of the fuel oil shall be certified by the fuel oil vendor to meet the standard of Regulation 9-1-304. [basis: 9-1-304, Regulation 2-6-409.2]

3. Each boiler shall be checked for visible emissions whenever the boiler has combusted one million gallons of fuel oil. The visible emissions check shall take place while the equipment is operating and during daylight hours. If any visible emissions are detected, the operator shall take corrective action within one week, and check for visible emissions after corrective action is taken. If no visible emissions are detected, the operator shall continue to check for visible emissions at the same frequency. (basis: Regulation 6, 2-6-409.2)

Condition # 18025
S-6 Extractor System

1. District approved temperature measuring and temperature displaying devices shall be operated at A-1 to measure and display the temperature of the vegetable seed

VI. Permit Conditions

material (non-cooling water flow) at the entrance of A-1 and at the exit of A-1. (Regulation 8-41-301, 2-6-409.2)

Condition # 18025
S-6 Extractor System

2. District approved temperature measuring and temperature displaying devices shall be continuously operated at A-1 to measure the temperature of the cooling water flow into and out of A-1 (basis: Regulation 8-41-301, 2-6-409.2)

3. In order to demonstrate compliance with 8-41-301 for A-1 Condenser, the owner/operator shall perform a District approved source test annually, in accordance with the District's Manual of Procedures. The owner/operator shall notify the Manager of the District's Source Test Section at least seven (7) days prior to the test, to provide the District staff the option of observing the testing. Within 45 days of test completion, a comprehensive report of the test results shall be submitted to the Manager of the District's Source Test Section. (basis: Regulation 8-41-301, 2-6-409.2)

4. The permittee shall inspect valves, pumps, and connectors (flanges) at S-6 at least quarterly. Any valve found to be leaking in excess of limits indicated in Regulation 8, Rule 18 shall be subject to the leak repair requirements of Regulation 8, Rule 18. Records of such inspections shall be kept in accordance with Regulation 8-18-502. (basis: Regulation 8-18, 8-41-303, 2-6-409.2)

Condition # 18026
S-43 Seed Storage Warehouse # 1,
S-44, Seed Storage Warehouse # 2

1. In order to verify compliance with the standards of Regulation 6, the Warehouses (S-43 and S-44) shall be inspected daily for visible emissions. If any visible emissions are detected, the operator shall take corrective action within one hour upon detection of visible emissions, and check for visible emissions after corrective action is taken. (basis: Regulation 6, 2-6-409.2)

2. The operator shall keep records of the results of the daily visible emissions inspection, including the name of the person performing the visible emissions check, all corrective action taken, and all instances which operator was unable to correct visible emissions problems. The records shall be retained for five (5) years and shall

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be made available to District personnel upon request. (basis: Regulation 6, 2-6-409.2)

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-2, Dowtherm Vaporizer Deodorizer No. 2

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 9-7-305.1	Y		150 ppm @ 3% O_2 (dry)	BAAQMD Condition # 18023, Part 1	P/A	Annual source test
	BAAQMD 9-7-306.1	Y		150 ppm @ 3%O2 (dry)	BAAQMD Condition # 180023, Part 1	P/A	Annual source test
CO	BAAQMD 9-7-305.2	Y		400 ppm @ 3% O2 (dry)	BAAQMD Condition # 18023, Part 1	P/A	Annual source test
	BAAQMD 9-7-306.2	Y		400 ppm @ 3% O2 (dry)	BAAQMD Condition # 18023, Part 1	P/A	Annual source test
SO2	BAAQMD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	BAAQMD Condition # 18023, Part 2	P/E	Fuel certification by vendor
	BAAQMD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)	BAAQMD Condition # 18023, Part 2	P/E	Fuel certification by vendor
SO2	BAAQMD	Y		Sulfur content of	BAAQMD	P/E	Fuel

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-A
S-2, Dowtherm Vaporizer Deodorizer No. 2

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	9-1-304			fuel < 0.5% by weight	Condition # 18023, Part 2		certification by vendor
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	BAAQMD Condition # 18023 Part 3	P/W	Visible inspection
FP	BAAQMD 6-310	Y		0.15 gr. per dscf	BAAQMD Condition # 18023, Part 3	P/W	Visible inspection

Table VII-B
S-5, Steam Boiler #5
S-8, Steam Boiler #6

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		30 ppm @ 3% O2 (dry)	BAAQMD Condition # 18024, Part 1	P/A	Annual source test
	BAAQMD 9-7-302.1	Y		40 ppm @ 3%O2 (dry)	BAAQMD Condition # 18024, Part 1	P/A	Annual source test
	BAAQMD 9-7-305.1	Y		150 ppm @ 3% O_2 (dry)	BAAQMD Condition # 18024, Part 1	P/A	Annual source test
	BAAQMD 9-7-306.1	Y		150 ppm @ 3%O2 (dry)	BAAQMD Condition # 18024, Part 1	P/A	Annual source test
CO	BAAQMD 9-7-301.2	Y		400 ppm @ 3% O2 (dry)	BAAQMD Condition # 18024, Part 1	P/A	Annual source test
CO	BAAQMD 9-7-302.2	Y		400 ppm @ 3% O2 (dry)	BAAQMD Condition #	P/A	Annual source test

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-B
S-5, Steam Boiler #5
S-8, Steam Boiler #6

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
					18024, Part 1		
CO	BAAQMD 9-7-305.2	Y		400 ppm @ 3% O2 (dry)	BAAQMD Condition # 18024, Part 1	P/A	Annual source test
	BAAQMD 9-7-306.2	Y		400 ppm @ 3% O2 (dry)	BAAQMD Condition # 18024, Part 1	P/A	Annual source test
SO2	BAAQMD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	BAAQMD Condition # 18024, Part 2	P/E	Fuel certification by vendor
	BAAQMD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)	BAAQMD Condition # 18024, Part 2	P/E	Fuel certification by vendor
	BAAQMD 9-1-304	Y		Sulfur content of fuel < 0.5% by weight	BAAQMD Condition # 18024, Part 2	P/E	Fuel certification by vendor
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	BAAQMD Condition # 18024, Part 3	P/W	Visible inspection
FP	BAAQMD 6-310.3	Y		0.15 gr. per dscf @ 6% O2	BAAQMD Condition # 18024, Part 3	P/W	Visible inspection

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-C
S-6, Extractor System

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-18-302	N		valves < 100 ppm-minimum leaks within 24 hrs. & repair within 7 days	BAAQMD 8-18-401; BAAQMD Condition # 18025 Part 4	P/Q	HC detector
	BAAQMD 8-18-303	N		pumps and compressors < 100 ppm-minimum leaks within 24 hrs. & repair within 7 days	BAAQMD 8-18-401; BAAQMD Condition # 18025 Part 4	P/Q	HC detector
	SIP 8-18-302	Y		valves < 100 ppm-minimum leaks within 24 hrs. & repair within 7 days	BAAQMD 8-18-401; BAAQMD Condition # 18025 Part 4	P/Q	HC detector
	SIP 8-18-303	Y		connectors < 100 ppm-minimum leaks within 24 hrs. & repair within 7 days	BAAQMD 8-18-401; BAAQMD Condition # 18025 Part 4	P/Q	HC detector
	SIP 8-25-302	Y		pumps < 500 ppm minimum leaks within 24 hrs & repair within 7 days	8-25-401	P/Q	HC detector
	SIP 8-25-303	Y		compressors < 500 ppm minimum leaks within 24 hrs & repair within 7 days	8-25-401	P/Q	HC detector
	BAAQMD 8-41-301.1	Y		reduce POC by at least 90% by wt.	BAAQMD Condition # 18025, Part 3	P/A	Annual source test

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-C
S-6, Extractor System

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-41-301.2	Y		reduce POC by at least 90% by wt.	BAAQMD Condition # 18025, Part 3	P/A	Annual source test
	BAAQMD 8-41-303	Y		10,000 ppm leakers-equipment in service	BAAQMD Condition # 18025, Part 4	P/M	HC detector

Table VII-D
S-11, Soapstock Reactor #1
S-12, Soapstock Reactor #2
S-13, Soapstock Reactor #3

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 no more than 3 minutes in any hour	BAAQMD Condition # 1981 Part 2	P/W	Visible inspection
FP	BAAQMD 6-310	Y		0.15 gr. per dscf	BAAQMD Condition # 1981, Part 2	P/W	Visible inspection
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition # 1981, Part 2	P/W	Visible inspection

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-E
S-23, Desolventizer Toaster Cooler

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 8-18-302	N		valves < 100 ppm-minimum leaks within 24 hrs. & repair within 7 days	BAAQMD 8-18-401; BAAQMD Condition # 10504, Part 9	P/Q	HC detector
VOC	BAAQMD 8-18-303	N		pumps and compressors < 100 ppm-minimum leaks within 24 hrs. & repair within 7 days	BAAQMD 8-18-401; BAAQMD Condition # 10504, Part 9	P/Q	HC detector
	SIP 8-18-302	Y		valves < 100 ppm-minimum leaks within 24 hrs. & repair within 7 days	BAAQMD 8-18-401; BAAQMD Condition # 10504, Part 9	P/Q	HC detector
	SIP 8-18-303	Y		connectors < 100 ppm-minimum leaks within 24 hrs. & repair within 7 days	BAAQMD 8-18-401; BAAQMD Condition # 10504, Part 9	P/Q	HC detector
	SIP 8-25-302	Y		pumps < 500 ppm minimum leaks within 24 hrs & repair within 7 days	8-25-401	P/Q	HC detector
	SIP 8-25-303	Y		compressors < 500 ppm minimum leaks within 24 hrs & repair within 7 days	8-25-401	P/Q	HC detector
	BAAQMD 8-41-301.1	Y		reduce POC by at least 90% by wt.	BAAQMD Condition # 10504, Part 7	P/A	Annual source test
	BAAQMD 8-41-301.2	Y		reduce POC by at least 90% by wt.	BAAQMD Condition # 10504, Part 7	P/A	Annual source test

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-E
S-23, Desolventizer Toaster Cooler

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 8-41-303	Y		10,000 ppm leakers-equipment in service	BAAQMD 8-18-401; BAAQMD Condition # 10504, Part 9	P/Q	HC detector
	40 CFR 63.2840 Table 1(i)	Y		oilseed solvent loss factor ≤ 0.4 gal/ton for corn germ, wet milling	40 CFR 63.2840 (b)	P/M	Compliance ratio calculation
	40 CFR 63.2840 Table 1(ii)	Y		oilseed solvent loss factor ≤ 0.7 gal/ton for corn germ, dry milling	40 CFR 63.2840 (b)	P/M	Compliance ratio calculation
	40 CFR 63.2840 Table 1(viii)	Y		oilseed solvent loss factor ≤ 0.7 gal/ton for safflower	40 CFR 63.2840 (b)	P/M	Compliance ratio calculation
	40 CFR 63.2840 Table 1(xii)	Y		oilseed solvent loss factor ≤ 0.4 gal/ton for sunflower	40 CFR 63.2840 (b)	P/M	Compliance ratio calculation
	BAAQMD Condition # 10504 Part 2	Y		<100,000 tons annual throughput limit	BAAQMD Condition # 10504, Part 21	P/D	Recordkeeping
VOC	BAAQMD Condition # 10504, Part 8	Y		95% reduction of POC	BAAQMD Condition # 10504, Part 7	P/A	Annual source test
	BAAQMD Condition # 10504, Part 15	Y		500 ppmv leak limit of hexane from all connectors	BAAQMD 8-18-401; BAAQMD Condition # 10504, Part 10	P/Q	HC detector

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-E
S-23, Desolventizer Toaster Cooler

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Condition # 10504, Part 16	Y		500 ppmv leak limit of hexane from all valves	BAAQMD 8-18-401; BAAQMD Condition # 10504, Part 10	P/Q	HC detector
	BAAQMD Condition # 10504, Part 17	Y		1000 leak limit of hexane from all pumps	BAAQMD 8-18-401; BAAQMD Condition # 10504, Part10	P/Q	HC detector
	BAAQMD Condition # 10504, Part 19	Y		1500 ppmv limit of hexane from sample chamber	BAAQMD Condition # 10504, Part 20 and 21	P/Q	Sampling & recordkeeping
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	BAAQMD Condition # 10504, Part 23	P/W	Visible inspection
	BAAQMD Condition # 10504, Part 12	Y		Ringelmann 0.5	BAAQMD Condition # 10504, Part 23	P/W	Visible inspection
FP	BAAQMD 6-310	Y		0.15 gr. per dscf	BAAQMD Condition # 10504, Part 23	P/W	Visible inspection

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-F
S-24, Hexane Solvent Separator

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 8-18-302	N		valves < 100 ppm-minimum leaks within 24 hrs. & repair within 7 days	BAAQMD 8-18-401; BAAQMD Condition # 10504, Part 31	P/Q	HC detector
	BAAQMD 8-18-303	N		pumps and compressors < 100 ppm-minimum leaks within 24 hrs. & repair within 7 days	BAAQMD 8-18-401; BAAQMD Condition # 10504, Part 31	P/Q	HC detector
	SIP 8-18-302	Y		valves < 100 ppm-minimum leaks within 24 hrs. & repair within 7 days	BAAQMD 8-18-401; BAAQMD Condition # 10504, Part 31	P/Q	HC detector
	SIP 8-18-303	Y		connectors < 100 ppm-minimum leaks within 24 hrs. & repair within 7 days	BAAQMD 8-18-401; BAAQMD Condition # 10504, Part 31	P/Q	HC detector
	SIP 8-25-302	Y		pumps < 500 ppm minimum leaks within 24 hrs & repair within 7 days	SIP 8-25-401	P/Q	HC detector
	SIP 8-25-303	Y		compressors < 500 ppm minimum leaks within 24 hrs & repair within 7 days	SIP 8-25-401	P/Q	HC detector
	SIP 8-25-302	Y		pumps < 500 ppm minimum leaks within 24 hrs & repair within 7 days	SIP 8-25-401	P/Q	HC detector

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-F
S-24, Hexane Solvent Separator

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Condition, Part 25	Y		500 ppmv leak limit of hexane from all connectors	BAAQMD 8-18-401; BAAQMD Condition # 10504, Part 31	P/Q	HC detector
	BAAQMD Condition, Part 26	Y		500 ppmv leak limit of hexane from all valves	BAAQMD 8-18-401; BAAQMD Condition # 10504, Part 31	P/Q	HC detector
	BAAQMD Condition, Part 27	Y		1000 leak limit of hexane from all pumps	BAAQMD 8-18-401; BAAQMD Condition # 10504, Part 31	P/Q	HC detector

Table VII-G
S-25, Underground Storage Tank

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Condition #12261 Part 2	Y		365,000 gallons annual throughput	BAAQMD Condition #12261, Part 4	P/Q	Recordkeeping

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-H
S-27, Meal Loading System
S-28, Primary Grinder #1, Reitz Disintegrator
S-29, Primary Grinder #2, Reitz Disintegrator
S-30, Secondary Grinder #1, Rietz Disintegator
S-31, Secondary Grinder # 2, Reitz Disintegrator
S-32, Final Grinder

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 no more than 3 minutes in any hour	BAAQMD Condition # 13055 Part 9	P/W	Visible inspection
FP	BAAQMD 6-310	Y		0.15 gr. per dscf	BAAQMD Condition # 13055 Part 9	P/W	Visible inspection
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition # 13055 Part 9	P/W	Visible inspection

Table VII-I
S-33, Clay Silo #1
S-34, Clay Silo #2
S-35, Clay Silo #3
S-36, Clay Silo #4

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 no more than 3 minutes in any hour	BAAQMD Condition # 13055 Part 14	P/W	Visible inspection
FP	BAAQMD 6-310	Y		0.15 gr. per dscf	BAAQMD Condition # 13055 Part 14	P/W	Visible inspection

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-I
S-33, Clay Silo #1
S-34, Clay Silo #2
S-35, Clay Silo #3
S-36, Clay Silo #4

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition # 13055 Part 14	P/W	Visible inspection
Usage	BAAQMD # 13055 Part 10	Y		1944 tons in any rolling 365 day consecutive day period	BAAQMD Condition #13055 Part 13	P/Q	Recordkeeping

Table VII-J
S-37, Meal Silo #1, S-38, Meal Silo #2,
S-39, Meal Silo #3, S-40, Meal Silo #4,
S-41 Meal Silo #5, S-42 Meal Silo #6

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 no more than 3 minutes in any hour	BAAQMD Condition # 17748 Part 2	P/D	Visible inspection
FP	BAAQMD 6-310	Y		0.15 gr. per dscf	BAAQMD Condition # 17748 Part 2	P/D	Visible inspection
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition # 17748 Part 2	P/W	Visible inspection
VOC	BAAQMD 8-2-301	Y		15 pounds per day and 300 ppm of total carbon on dry basis	BAAQMD Condition #17748, Part 3	P/E	HC detector

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-K
S-43 Seed Storage Warehouse # 1
S-44, Seed Storage Warehouse # 2

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 no more than 3 minutes in any hour	BAAQMD Condition # 18026 Part 1	P/D	Visible inspection
FP	BAAQMD 6-310	Y		0.15 gr. per dscf	BAAQMD Condition # 18026 Part 1	P/D	Visible inspection
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition # 18026 Part 1	P/W	Visible inspection

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 VII, Applicable Emission Limits & Compliance Monitoring Requirements, of this permit.

Table VIII

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 Particulate Sampling
BAAQMD 6-311	General Operations	Manual of Procedures, Volume IV, ST-15 Particulate Sampling
BAAQMD 7-301	General Limit on Odorous Substances	Manual of Procedures, Volume IV, ST-12, Collection of Odorous Samples/BAAQMD Regulation 7-404
BAAQMD 8-2-301	Miscellaneous Operations	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling or EPA Method 25 or 25A.
BAAQMD 8-5-117	Exemption, Low Vapor Pressure	Manual of Procedures, Volume III, Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks
BAAQMD 8-5-301	Storage Tanks Smaller than $150m^3$ (eq. to SIP 8-5-301)	Manual of Procedures, Volume III, Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks
BAAQMD 8-5-328.1	Tank Cleaning Requirements - Liquid Balancing	Manual of Procedures, Volume III, Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks
BAAQMD 8-5-328.2	Tank Cleaning Requirements - Approved Emission Control System	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling
BAAQMD 8-5-501	Records	Manual of Procedures, Volume III, Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks
BAAQMD Regulation 8-5-601	Analysis of Samples, True Vapor Pressure	Manual of Procedures, Volume III, Method 28, Determination of Vapor Pressure of Organic Liquid from Storage Tanks
BAAQMD 8-5- 603.2	Determination of Emissions	Manual of Procedures, Volume IV, ST-7, Emissions of organic compounds

VIII. Test Methods

Table VIII

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-18-114	Limited Exemption, Initial Boiling Point	ASTM D-1078-78 Determination of Initial Point of Organic Liquid
BAAQMD 8-18-302	Leak inspection procedures	EPA Reference Method 21 (40 CFR 60, Appendix A). Determination of Volatile Organic Compound Leaks
BAAQMD 8-18-303	Leak inspection procedures	EPA Reference Method 21 (40 CFR 60, Appendix A). Determination of Volatile Organic Compound Leaks
BAAQMD 8-18-304	Leak inspection procedures	EPA Reference Method 21 (40 CFR 60, Appendix A). Determination of Volatile Organic Compound Leaks
BAAQMD 8-18-305	Leak inspection procedures	EPA Reference Method 21 (40 CFR 60, Appendix A). Determination of Volatile Organic Compound Leaks
BAAQMD 8-18-306	Determination of mass emissions	EPA Protocol for equipment leak emission estimates, Chapter 4, Mass Emission Sampling, (EPAA-453/R-95-017) November 1995
BAAQMD 8-18-501	Portable Hydrocarbon Detector	EPA Reference Method 21 (40 CFR 60, Appendix A). Determination of Volatile Organic Compound Leaks
BAAQMD 8-22-301	Leak inspection procedures	EPA Reference Method 21 (40 CFR 60, Appendix A). Determination of Volatile Organic Compound Leaks
BAAQMD 8-25-113	Exemption, Controlled Seal Systems For Pumps	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling, or EPA Method 25 or 25A.
BAAQMD 8-25-302	Pumps Leak inspection procedures	EPA Reference Method 21 (40 CFR 60, Appendix A). Determination of Volatile Organic Compound Leaks
BAAQMD 8-25-303	Compressors Leak inspection procedures	EPA Reference Method 21 (40 CFR 60, Appendix A). Determination of Volatile Organic Compound Leaks
BAAQMD 8-25-304	Non-repairable Pumps and Compressors:	EPA Reference Method 21 (40 CFR 60, Appendix A). Determination of Volatile Organic Compound Leaks

VIII. Test Methods

Table VIII

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-25-305	New or Replaced Pumps and Compressors:	EPA Reference Method 21 (40 CFR 60, Appendix A). Determination of Volatile Organic Compound Leaks
BAAQMD 8-25-306	Repeat Leakers	EPA Reference Method 21 (40 CFR 60, Appendix A). Determination of Volatile Organic Compound Leaks
BAAQMD Regulation 8-41-303	Equipment in Organic Service	Manual of Procedures, Volume IV, ST-7 Determination of Volatile Organic Compound Leaks
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 9-1-304	Fuel Burning (Liquid and Solid Fuels)	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils
BAAQMD 9-7-301.1	Performance Standard, NOx, Gaseous Fuel	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-7-301.2	Performance Standard, CO, Gaseous Fuel	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-7-302.1	Performance Standard, NOx, Non-Gaseous Fuel	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-7-302.2	Performance Standard, CO, Non-Gaseous Fuel	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-7-303	Emission Limits - Gaseous and Non-Gaseous Fuel, NOx and CO	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-7-304.3	Low Fuel Usage Requirements, Performance Standards, NOx and CO	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-7-305.1	Natural Gas Curtailment Performance Standard, NOx	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling

VIII. Test Methods

Table VIII

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 9-7-305.2	Natural Gas Curtailment Performance Standard, CO	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-7-306.1	Equipment Testing - Non-Gaseous Fuel NOx Performance Standard	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-7-306.2	Equipment Testing - Non-Gaseous Fuel CO Performance Standard	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-7-403	Initial Compliance Demonstration	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling

IX. PERMIT SHIELD

None

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 BAAQMD Board on 7/17/91) and SIP Rule 2-1-403, Permit Conditions (as approved by EPA on 6/23/95). Used to determine whether threshold-based requirements are triggered.

District
The Bay Area Air Quality Management District

DSCF
Dry Standard Cubic Foot

EPA
The federal Environmental Protection Agency.

X. Glossary

ERC
Emission Reduction Credits

Excluded
Not subject to any BAAQMD Regulations.

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

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

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.

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 BAAQMD's term for the federal operating permit program mandated by Title V of the Federal Clean Air Act and implemented by BAAQMD Regulation 2, Rule 6.

MOP
The BAAQMD'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

X. Glossary

Non-methane Hydrocarbons

NOx
Oxides of nitrogen.

NSPS
Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Federal Clean Air Act, and implemented by 40 CFR Part 60 and BAAQMD 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 BAAQMD Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

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 BAAQMD 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 BAAQMD Regulation 2, Rule 2.

SIP

X. Glossary

State Implementation Plan. State and BAAQMD programs and regulations approved by EPA and developed in order to attain the National Air Ambient Quality Standards. Mandated by Title I of the Act.

SO2
Sulfur dioxide

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
cfm	=	cubic feet per minute
g	=	grams
gal	=	gallon
gpm	=	gallons per minute
hp	=	horsepower
hr	=	hour
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

X. Glossary

XI. APPENDIX A - APPLICABLE STATE IMPLEMENTATION PLAN

The Bay Area Air Quality Management BAAQMD'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