Bay Area Air Quality Management District

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

~~Final~~Proposed

MAJOR FACILITY REVIEW PERMIT

Issued To:

Anheuser-Busch, Inc.
Facility #A0606

Facility Address:
3101 Busch Drive
Fairfield, CA 94533

Mailing Address:
P.O. Box AB
Fairfield, CA 94533

Responsible Official	Facility Contact
~~**Wayne P. Senalik**~~**Kevin Finger**, Plant Manager	~~**Robert Wachter**~~ Amy Lawson, ~~Plant Engineer~~ Resident EH&S Manager
(707) 429-2000	(707) 429-7566

Type of Facility: **Brewery**
Primary SIC: 2082
Product: Beer

BAAQMD Permit Division Contact:
Craig Ullery

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

~~Signed by Ellen Garvey~~ _____ ~~October 23, 2002~~

~~Ellen Garvey~~Jack P. Broadbent, 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 5/02/01);

SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through ~~8/27~~ 6/28/99);

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on ~~8/1/01~~ 6/15/05);

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~~ 6/15/05);

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~~ 12/21/04); and

SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through ~~2/25~~ 1/26/99).

BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on ~~5/02/01~~ 4/16/03).

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

1. This Major Facility Review Permit was issued on March 12, 2001 and expires on February 28, 2006. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than September 1, 2005 and no earlier than February 28, 2005. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after** February 28, 2006**.** If the permit renewal has not been issued by [ ], but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, & 409.6; MOP Volume II, Part 3, §4.2)
2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)
3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)
4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)

I. Standard Conditions

5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit which the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions 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)
12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

C. Requirement to Pay Fees

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

D. Inspection and Entry

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

E. Records

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

I. Standard Conditions

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

F. Monitoring Reports

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. The first reporting period for this permit shall be March 12, 2001 to August 31, 2001. The report shall be submitted by September 30, 2001. Subsequent reports shall be for the following periods: September 1st through February 28th or 29th and March 1st through August 31st, and are due on the last day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

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

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

G. Compliance Certification

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification period will be March 1st to February 28th or 29th. The certification shall be submitted by March 31st of each year. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification should be sent to the Environmental Protection Agency at the following address:

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

I. Standard Conditions

Attention: Air-3

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

H. Emergency Provisions

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

I. Severability

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

J. Miscellaneous Conditions

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

~~J~~K. Accidental Release

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

II. Equipment

II. EQUIPMENT

Table II A - Permitted Sources

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

S-#	Description	Make or Type	Model	Capacity
S-1	Boiler #1, fired by natural gas; No. 2 fuel oil used for standby	Babcock & Wilcox	103-97	119 MM Btu/hr
S-2	Boiler #2, fired by natural gas; No. 2 fuel oil used for standby	Babcock & Wilcox	103-97	119 MM Btu/hr
S-3	Boiler #3, fired by natural gas; No. 2 fuel oil used for standby	Babcock & Wilcox	103-97	119 MM Btu/hr
S-11	Grain Unloading	MD Pneumatic	MM-17-12015	40 ton/hr 350,400 tons/yr
S-14	~~Grain Transfer Hopper~~Silo Unloading Hopper & Standby Exhauster	Roots Connersville	RAS-717-J	16 ton/hr 93,907 tons/yr
S-15	Mash Cooker #1	Custom Built		~~18.5 ton/hr~~ 7,920 bbls/day 2,891 Mbbls/yr
S-16	Mash Cooker #2	Custom Built		~~18.5 ton/hr~~ 7,920 bbls/day 2,891 Mbbls/yr
~~S-18~~	~~Strainmaster/Spent Grain Tank~~	~~Custom Built~~		~~18.5 ton/hr~~
~~S-20~~	~~Brew Holding Kettle~~	~~Custom Built~~		~~10,850 gal/hr~~
~~S-21~~	~~Brew Kettle~~	~~Custom Built~~		~~14,467 gal/hr~~
S-22	Hops Strainer	Barry Blower	165	49,000 gal/hr 13,847 Mbbls/yr
S-23	Hot Wort Tank	Barry Blower	165	65,000 gal/hr 15,306 Mbbls/yr
S-24	Wort Aerator /Cooler #1	Custom Built		20,460 gal/hr 3,855 Mbbls/yr
S-25	Wort Aerator /Cooler #2	Custom Built		20,460 gal/hr 3,855 Mbbls/yr

II. Equipment

Table II A - Permitted Sources

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

S-#	Description	Make or Type	Model	Capacity
S-36	Grain Dust Transfer	Buhler -Miag Sutorbilt	6MB	0.45 ton/hr 3,942 tons/yr
S-41	Chip Washers 1 through 4	Debothelat		0.375 ton/hr 3,285 tons/yr
S-52	Keg Washer	Axial		500 Kegs/hr 4,492.8 Mkegs/yr
S-60	Still Feed Tank	Custom Built		10,000 gal 21,024 Mgals/yr
S-61	Alcohol Distillation Degasser	Custom Built		57 gal/hr
S-62	Alcohol Distillation Column	Custom Built		57 gal/hr
S-63	Alcohol Distillation Column Condenser	Custom Built		57 gal/hr
S-64	Alcohol Distillation Rectifying Column	Custom Built		57 gal/hr
S-65	Alcohol Distillation Rectifying Column Condenser	Custom Built		57 gal/hr 21,024 Mgals/yr
S-66	Alcohol Day Tank #1	Custom Built		1500 gal
S-67	Alcohol Day Tank #2	Custom Built		1500 gal
S-68	Alcohol Storage Tank #1	Custom Built		15000 gal
S-69	Alcohol Storage Tank #2	Custom Built		15000 gal
S-70	Alcohol Storage Tank #1	Custom Built		3200 gal
S-71	Alcohol Storage Tank #2	Custom Built		3200 gal
~~S-72~~	~~Maintenance Parts Degreaser (mineral spirits)~~	~~Safety Kleen~~	~~30.3-90012~~	~~20 gal~~
~~S-73~~	~~Forklift Shop Parts Degreaser (mineral spirits)~~	~~Safety Kleen~~	~~16.3~~	~~10 gal~~
~~S-74~~	~~Utilities Shop Parts Degreaser (mineral spirits)~~	~~Safety Kleen~~	~~30.3-90012~~	~~20 gal~~
S-75	~~Can~~ Videojet Coder, Line 40	Videojet Excel Series	170I	2 quarts
S-76	~~Can~~ Videojet Coder, Line 40	Videojet Excel Series	170I	2 quarts
S-77	~~Can~~ Videojet Coder, Line 50	Videojet Excel Series	170I	2 quarts
S-78	~~Can~~ Videojet Coder, Line 50	Videojet Excel Series	170I	2 quarts

II. Equipment

Table II A - Permitted Sources

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

S-#	Description	Make or Type	Model	Capacity
~~S-86~~	~~Case Coder, Line 50~~	~~Marsh~~	~~LCP/1~~	~~5 gallons~~
S-97	Mash Cooker #3	Barry-Blower	222	4,250 gal/hr 550 Mbbls/yr
S-98	Mash Cooker #4	Barry-Blower	222	4,250 gal tons/hr 550 Mbbls/yr
S-120	Case Coder, Line 40	~~Marsh~~Diagraph	~~LCP/1~~	5 gallons
S-121	Case Coder, ~~Bottle~~ Line 1,0 ~~Filler 1~~	~~Marsh~~Diagraph	~~LCP/1~~	5 gallons
S-124	Alpha Fermentation Tanks/Carbon Deodorizers (2)	Custom Built		43,400 gal/tank
S-125	Precoat Tank	Letsch Corp.		1000 gal
S-126	Body Feed Tank #1	Letsch Corp.		1300 gal
S-127	Body Feed Tank #2	Letsch Corp.		1300 gal
S-128	Case Coder, Line 50~~/51~~	~~Marsh~~Diagraph	~~LCP/1~~	5 gallons
S-130	D.E. Storage Silo	Custom Built		7,030 cubic feet 72 tons/yr
S-131	Case Coder, Line 1	Diagraph		5 gallons
S-132	Keg Label Coder, Line 90	Linx~~Videojet~~	6800~~III~~	2 quarts
S-133	Keg Label Coder, Line 90	Linx~~Videojet~~	6800~~III~~	2 quarts
S-134	Air Pallet Unloader	Semi-Bulk Systems	0285XL	0.025 tons/hr 201 tons/yr
S-135	Railcar Fumigation Venting	Spencer	SA-407	0.08 lbs/railcar
S-136	Slurry Injection Tank	Custom Built		1550 gal
S-137	Slurry Mix Tank	Enerfab		1550 gal
S-138	Case Coder, ~~Bottle~~ Line ~~20~~1, ~~Filler 2~~	~~Marsh~~Diagraph	LCP/1	5 gallons
S-139	Alcohol Loading Station	Custom Built		400,000 gal/yr
S-140	Grains Transfer and Storage	Buhler-Miag	25811	80,000 lb/hr 350,400 tons/yr
S-141	Grain Milling & Weighing (malt)	Seeger	CL-15	36,000 lb/hr 157,680 tons/yr

II. Equipment

Table II A - Permitted Sources

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

S-#	Description	Make or Type	Model	Capacity
S-142	Grain Milling & Weighing (adjunct)	Buhler	412ROB	16,500 lb/hr 72,270 tons/yr
S-143	Standby Diesel Engine/Generator (diesel fuel)	Cummins	QSK45G4	1850 hp 10.6 MM btu/hr
S-144	Standby Diesel Engine/Generator (diesel fuel)	Cummins	QSK45G4	1850 hp 10.6 MM btu/hr
S-145	Standby Diesel Engine/Generator (diesel fuel)	Cummins	QSK45G4	1850 hp 10.6 MM btu/hr
S-146	Videojet Coder~~, Line 40~~	Videojet Excel Series	170I	2 quarts
S-147	Videojet Coder~~, Line 50~~	Videojet Excel Series	170I	2 quarts
S-148	Videojet Coder	Videojet Excel Series	170I	2 quarts
S-149	Lauter Tub	Ziemann or Huppman		420 bbls/hr
S-150	Brew Kettle No. 1	Ziemann or Huppman		507 bbls/hr
S-151	Brew Kettle No. 2	Ziemann or Huppman		507 bbls/hr
~~S-152~~	~~Bottle Filler, Line 10~~	~~Custom Made~~		~~4780 gal/hr~~
S-154	Can Filler, Line 40	Custom Made		8770 gal/hr
S-155	Can Filler, Line 50	Custom Made		8800 gal/hr
S-156	Fire Water Pump Standby Diesel Engine	Cummins		310 hp 2.4 MMBtu/hr
S-158	Bottle Filler No. 1 and Bottle Filler No. 2, Line 1	Krones		900 bottles/minute (each filler)
S-161	Videojet Coder,~~Bottle Label Coder~~ 1	Videojet	2000	2 quarts
S-162	Videojet ~~Bottle Label~~ Coder, Line 1	Videojet	2000	2 quarts

II. Equipment

Table II B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-11	Baghouse	S-11	Regulation 6-301, 6-310, and 6-311	Normal ~~pressure drop shall be~~differential pressure range: 1 to 9 psi	0.15 gr/dscf
A-12	Baghouse	~~S-12~~S-140, S-141, S-142	Regulation 6-301, 6-310, and 6-311	~~pressure drop shall be~~ Normal differential pressure range 1 to 6 psi	0.15 gr/dscf
A-14	Baghouse	S-14	Regulation 6-301, 6-310, and 6-311	~~pressure drop shall be~~Normal differential pressure range 1 to 9 psi	0.15 gr/dscf
A-36	Baghouse	S-36	Regulation 6-301, 6-310, and 6-311	~~pressure drop shall be~~normal differential pressure range 1 to 7 psi	0.15 gr/dscf
A-52	Dry Inertial Collector	S-52	Regulation 6-301, 6-310, and 6-311		N/A
A-125	Baghouse	S-125, S-126, S-127	Regulation 6-301, 6-310, and 6-311	~~Pressure drop shall be~~Normal differential pressure range: ~~></~~ 0.25 inches water column to ~~and <~~ 3 inches of water column	0.15 gr/dscf
A-130	Baghouse	S-130	Regulation 6-301, 6-310, and 6-311	~~pressure drop shall be~~Normal differential pressure range ~~></~~: 0.5 inch water column ~~and <~~ to ~~-~~4 inches of water column	0.15 gr/dscf

II. Equipment

Table II B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-13~~426~~	Baghouse	S-134, ~~S-136,~~ S-137	Regulation 6-301, 6-310, and 6-311	~~Pressure drop shall be >~~Normal differential pressure range: 0.5 inches water column ~~and <~~to 6 inches of water column	0.15 gr/dscf
~~A-130~~	~~Baghouse~~	~~S-130~~	~~Regulation 6-301, 6-310, and 6-311~~	~~pressure drop shall be > 0.5 inch water column and < 4 inches of water column~~	~~0.15 gr/dscf~~

III. GENERALLY APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. These requirements apply in a general manner to the facility and/or to sources exempt from the requirement to obtain a District Permit to Operate. The District has determined that these requirements would 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 at the end of this permit.

NOTE:

There are differences between the current BAAQMD rule and the version of the rule in the SIP. All sources must comply with both versions of the rule until US EPA has reviewed and approved (or disapproved) 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~~6/15/05)	N
BAAQMD 2-1-429	Federal Emissions Statement (~~6/7/95~~12/21/04)	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

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 5	Open Burning (~~11/2/94~~3/6/02)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	N
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (7/20/05)	N
SIP Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (6/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (~~12/20/95~~11/21/02)	Y
BAAQMD Regulation 8, Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (6/1/94)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05)	N
SIP Regulaiton 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (12/15/99)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/05)	N
SIP Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/94)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (~~12/20/95~~7/17/02)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)	N
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (5/20/92)	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (~~12/4/91~~10/7/98)	~~Y~~N
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y
California Health and Safety Code Section 41750 et seq.	Portable Equipment	N
California Health and Safety Code Section 44300 et seq.	Air Toxics "Hot Spots" Information and Assessment Act of 1987	N
California Health and Safety Code Title 17, Section 93115	Airborne Toxic Control Measure for Stationary Compression Ignition Engines	N
California Health and Safety Code Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater	N
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (6/19/95)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (2/21/95)	
Subpart F, 40 CFR 82.156	Leak Repair	Y
Subpart F, 40 CFR 82.161	Certification of Technicians	Y
Subpart F, 40 CFR 82.166	Records of Refrigerant	Y

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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

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

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board

2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

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

Table IV-A
S-1, S-2, S-3, BOILERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particulates	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Particulate Weight Limitation, Heat Transfer Operation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	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 (9/15/93)**		
9-7-301	Emission Limits-Gaseous Fuel	Y	
9-7-301.1	Emission Limits-NOx	Y	

IV. Source-specific Applicable Requirements

Table IV-A
S-1, S-2, S-3, BOILERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-7-301.2	Emission Limits-CO	Y	
9-7-302	Emission Limits-Non-Gaseous Fuel	Y	
9-7-302.1	Emission Limits-NOx	Y	
9-7-302.2	Emission Limits-CO	Y	
9-7-303	Emission Limits-Gaseous and Non-Gaseous Fuel	Y	
9-7-305	Emission Limits-Natural Gas Curtailment-Non-Gaseous Fuel	Y	
9-7-305.1	Emission Limits-NOx	Y	
9-7-305.2	Emission Limits-CO	Y	
9-7-306	Emission Limit - Equipment Testing-Non-Gaseous Fuel	Y	
9-7-306.1	Emission Limits-NOx	Y	
9-7-306.2	Emission Limits-CO	Y	
9-7-503	Records	Y	
9-7-503.2	Records of natural gas curtailment	Y	
9-7-503.3	Records of equipment testing	Y	
9-7-503.4	Source test records	Y	
9-7-603	Compliance Determination	Y	
BAAQMD Condition #13032			
Part 1	Throughput Limit [Regulation 2-1-301]	Y	
Part 2	Oxides of Nitrogen Limit [Regulation 9-7-301.1]	Y	
Part 3	Carbon Monoxide Limit [Regulation 9-7-301.2]	Y	
Part 4	Annual Source Test Requirement [Regulation 2-6-409.2]	Y	
Part 5	Fuel Oil Sulfur Content Certification [Regulation 2-6-409.2]	Y	
Part 6	Visible Emissions Monitoring for Fuel Oil Combustion [Regulation 2-6-409.2]	Y	
Part 7	Records of Visible Emissions Monitoring for Fuel Oil Combustion [Regulation 2-6-409.2]	Y	
Part 8	Monitoring for Throughput Limit [Regulation 2-1-301]	Y	

IV. Source-specific Applicable Requirements

Table IV – B
S-11 - GRAIN UNLOADING;
S-14 - ~~GRAIN TRANSFER~~SILO UNLOADING HOPPER & STANDBY EXHAUSTER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #17176			
Part 1	Pressure drop ~~limit~~monitoring [Regulation 2-6-409.2]	Y	
Part 2	Recordkeeping [Regulation 2-6-409.2]	Y	

IV. Source-specific Applicable Requirements

Table IV - C
S-15 - MASH COOKER #1; S-16 - MASH COOKER #2;
~~S-18 - STRAINMASTER/SPENT GRAINS HOLDING TANK;~~
~~S-20 - BREW HOLDING KETTLE;~~ S-22 - HOPS STRAINER;
S-23 - HOT WORT ~~RECEIVER~~TANK; S-24 – WORT AERATOR/COOLER #1;
S-25 - WORT AERATOR/COOLER #2; S-41 - CHIP WASHERS 1-4;
S-60 - STILL FEED TANK; S-61 - ALCOHOL DISTILLATION DEGASSER ;
S-62 - ALCOHOL DISTILLATION STRIPPING COLUMN;
S-63 - ALCOHOL DISTILLATION STRIPPING COLUMN CONDENSER;
S-64 - ALCOHOL DISTILLATION RECTIFYING COLUMN;
S-65 - ALCOHOL DISTILLATION RECTIFYING COLUMN CONDENSER;
S-97 - MASH COOKER #3; S-98 - MASH COOKER #4;
S-124 – ALPHA FERMENTATION TANKS;
~~S-152 – BOTTLE FILLER, LINE 10; S-154 – CAN FILLER, LINE 40;~~
~~S-155 – CAN FILLER, LINE 50; S- 158 - BOTTLE LINE 1 (FILLER 1 & FILLER 2)~~

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 2	Miscellaneous Operations (~~6/15/94~~7/20/05)	Y	
8-2-301	Miscellaneous Operations	Y	

IV. Source-specific Applicable Requirements

Table IV – D
S-149 – Lauter Tub, ~~S-21 – BREWKETTLE~~
S-150 – Brew Kettle No. 1; S-151 – Brew Kettle No. 2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 2	Miscellaneous Operations (~~6/15/94~~7/20/05)	Y	
8-2-301	Miscellaneous Operations	Y	
BAAQMD Condition #~~17659~~20632			
Part 1	~~Beer~~ Hot wort production limit [Regulation 2-1-301]	Y	
Part 2	Hot wort production limit [Regulation 2-1-301]	Y	
Part 3	Beer production limit [Regulation 2-1-301]	Y	
Part ~~2~~4	Recordkeeping [Regulation 2-1-301]	Y	

Table IV - E
S-36 - GRAIN DUST TRANSFER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #17176			
Part 3	Pressure drop ~~limit~~ monitoring [Regulation 2-6-409.2]	Y	
Part 4	Recordkeeping [Regulation 2-6-409.2]	Y	

IV. Source-specific Applicable Requirements

Table IV - F
S-52 – KEG WASHER

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

Table IV - G
S-66 - ALCOHOL DAY TANK #1 (1500 GAL); S-67 - ALCOHOL DAY TANK #2 (1500 GAL); S-70 - ALCOHOL STORAGE TANK #1 (3,200 GAL); S-71 - ALCOHOL STORAGE TANK #2 (3,200 GAL)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	Storage of Organic Liquids (~~1/20/93~~11/27/02)	Y	
8-5-301	Aboveground Storage Tanks ≥264 gal to ≤9,906 gal ~~Smaller Than 39,626 gal~~ [cumulative increase]	Y	
8-5-501	Recordkeeping [cumulative increase]	Y	

IV. Source-specific Applicable Requirements

Table IV – H
S-68 - ALCOHOL STORAGE TANK #1 (15,000 GAL)
S-69 - ALCOHOL STORAGE TANK #2 (15,000 GAL)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	Storage of Organic Liquids (~~1/20/93~~11/27/02)	Y	
8-5-301	Aboveground Storage Tanks ~~Smaller Than 39,626 gal~~>9,906 gal to <19,803 gal	Y	
8-5-303	~~Above Ground Storage Tanks Larger > 9,906 gal. And < 19,813 gal~~Pressure vacuum valve	Y	
8-5-501	Recordkeeping	Y	

~~Table IV-I~~
~~S-72, S-73, S-74 - SOLVENT CLEANING~~

~~Applicable Requirement~~	~~Regulation Title or Description of Requirement~~	~~Federally Enforceable (Y/N)~~	~~Future Effective Date~~
~~**BAAQMD Regulation 8, Rule 16**~~	~~**Organic Compounds - Solvent Cleaning Operations (9/16/98)**~~		
~~8-16-303~~	~~Cold Cleaner Requirements~~	~~Y~~	
~~8-16-304~~	~~Trichloroethylene Limitation~~	~~Y~~	
~~8-16-501~~	~~Solvent Records~~	~~Y~~	
~~8-16-501.1~~	~~Trichloroethylene~~	~~Y~~	
~~8-16-501.2~~	~~All Other Solvents~~	~~Y~~	
~~**SIP Regulation 8, Rule 16**~~	~~**Organic Compounds - Solvent Cleaning Operations (8/2/89)**~~	~~Y~~	
~~8-16-303~~	~~Cold Cleaner Requirements~~	~~Y~~	
~~8-16-501~~	~~Solvent Records~~	~~Y~~	

IV. Source-specific Applicable Requirements

Table IV-~~J~~I
S-75 THROUGH S-78, S-146, AND S-147 - VIDEOJET CAN CODERS
~~S-86,~~ S-120, S-121, S-128, S-131, AND S-138 - ~~MARSH~~ DIAGRAPH CASE CODERS
S-132 AND S-133 - ~~VIDEOJET CAN~~LINX KEG LABEL CODERS
S-161, AND S-162 – ~~BOTTLE LABEL~~VIDEOJET CODERS, LINE 1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 4	General Solvent and Surface Coating Operations (~~5/16/96~~10/16/02)	~~N~~Y	
8-4-302	Solvents and Surface Coating Requirements	~~N~~Y	
8-4-302.3	VOC content of coating is less than 3.5 lb/gal	~~N~~Y	
8-4-312	Solvent Evaporation Loss Minimization	~~N~~Y	
8-4-501	Recordkeeping Requirements	~~N~~Y	
Condition No. 16202	**Permit Conditions (on a per-source basis)**	Y	
Part 1	~~Total ink and solvent thinner usage at S-75, 76, 77, 78, 132, and 133 combined not to exceed 324 and 30 gallons, respectively, in any consecutive 12-month period.~~Ink, solvent and acetone limit [Cumulative increase]	Y	
Part 2	~~Total ink and solvent thinner usage at S-86, 120, 121, 128 and 133 combined not to exceed 1,044 and 169 gallons, respectively, in any consecutive 12-month period~~If in excess of usages in Condition 1, POC emission limit. [Cumulative increase]	Y	
Part 3	~~Ink and clean-up solvent net usage shall be recorded on a monthly basis~~Recordkeeping. [Regulation 8-4-501, Cumulative Increase]	Y	

IV. Source-specific Applicable Requirements

Table IV – ~~K~~J
S-125 – PRECOAT TANK;
S-126 - BODY FEED TANK #1; S-127 - BODY FEED TANK #2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #17176			
Part 5	Pressure drop ~~limit~~ monitoring [Regulation 2-6-409.2]	Y	
Part 6	Recordkeeping [Regulation 2-6-409.2]	Y	

IV. Source-specific Applicable Requirements

Table IV – K~~L~~
S-130 - D.E. SILO

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #14459			
Part 1	Maintenance [Regulation 6-301]	Y	
Part 2	Prohibition of use [Regulation 6-301]	Y	
BAAQMD Condition #17176			
Part 9	Pressure drop ~~limit~~ monitoring [Regulation 2-6-409.2]	Y	
Part 10	Recordkeeping [cumulative increase]	Y	

IV. Source-specific Applicable Requirements

Table IV – L~~M~~
S-134- ACP AIR PALLET UNLOADER AND S-137- ACP SLURRY MIX TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #9061			
Part 1	Silica Gel throughput limit [cumulative increase]	Y	
Part 2	Silica Gel throughput recordkeeping [cumulative increase]	Y	
BAAQMD Condition #17176			
Part 7	Pressure drop ~~limit~~ monitoring [Regulation 2-6-409.2]	Y	
Part 8	Recordkeeping [Regulation 2-6-409.2]	Y	

Table IV – M~~N~~
S-135 - FUMIGATED RAILCAR PURGING

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 2	Miscellaneous Operations (~~6/15/94~~7/20/05)	~~Y~~	
8-2-301	Miscellaneous Operations	Y	
BAAQMD Condition 8195			
Part 1	Aluminum Phosphide limitation [toxics risk screen]	N	
Part 2	Phosphine Emission limitation [toxics risk screen]	N	
Part 3	Railcar Unloading limitation [toxics risk screen]	N	
Part 4	Fumigant Formulation limitation [toxics risk screen]	N	
Part 5	Recordkeeping [toxics risk screen]	N	

IV. Source-specific Applicable Requirements

Table IV – N~~O~~
S-136- ACP SLURRY INJECTION TANK

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

Table IV – O~~P~~
S-139 - ALCOHOL LOADING STATION

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 2	Miscellaneous Operations (~~6/15/94~~7/20/05)	~~Y~~	
8-2-301	Miscellaneous Operations	Y	
BAAQMD Condition 15891			
Part 1	Daily and Annual Alcohol throughput limit [cumulative increase]	Y	
Part 2	Recordkeeping [cumulative increase]	Y	

IV. Source-specific Applicable Requirements

Table IV - PQ
S-140 GRAINS TRANSFER AND STORAGE; S-141 GRAIN MILLING & WEIGHING (MALT); S-142 GRAIN MILLING & WEIGHING (ADJUNCT)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #17177			
Part 1	~~Methyl bromide limit~~Phosphine gas limit [toxics risk screen]	N	
Part 2	Recordkeeping [toxics risk screen]	N	
Part 3	Pressure drop ~~limit~~ monitoring [Regulation 2-6-409.2]	Y	
Part 4	Recordkeeping [Regulation 2-6-409.2]	Y	

IV. Source-specific Applicable Requirements

Table IV-QR
S-143, S-144, and S-145 STANDBY ENGINE/GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particulates	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants (8/1/01)**		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-530	Emergency standby engines, monitoring and recordkeeping	N	
BAAQMD Condition #18614			
Part 1	Applicability [Regulation 9-1, Regulation 6]	Y	
Part 2	Maintenance and Testing Limit [Regulation 2-1]	Y	
Part 3	Unlimited Emergency Operation [Regulation 2-1]	Y	
Part 4	Fuel Sulfur Certification [Regulation 2-6-409.2]	Y	
Part 5	Non-Resettable Counter Requirement [Regulation 2-6-409.2]	Y	
Part 6	Hours of Operation Recordkeeping Requirement [Regulation 2-6-409.2]	Y	

IV. Source-specific Applicable Requirements

Table IV – R
S-152 – BOTTLE FILLER LINE 10; S-154 – CAN FILLER LINE 40; S-155 – CAN FILLER LINE 50

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 2	Miscellaneous Operations (7/20/05)	Y	
8-2-301	Miscellaneous Operations	Y	
BAAQMD Condition 21595			
Part 1	Throughput limit [cumulative increase]	Y	
Part 2	Recordkeeping [cumulative increase]	Y	

IV. Source-specific Applicable Requirements

Table IV-S
S-156 EMERGENCY STANDBY DIESEL ENGINE/GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particulates	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants (8/1/01)**		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-530	Emergency standby engines, monitoring and recordkeeping	N	
BAAQMD Condition #21610			
Part 1	Hours of Operation Requirement [Regulation 9-8-330]	Y	
Part 2	Non-Resettable Counter Requirement [Regulation 9-8-530]	Y	
Part 3	Recordkeeping Requirement [Regulation 9-8-530]	Y	

IV. Source-specific Applicable Requirements

Table IV – T
S-158 – BOTTLE FILLER LINE 1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 2	Miscellaneous Operations (7/20/05)	~~Y~~	
8-2-301	Miscellaneous Operations	Y	
BAAQMD Condition 21595			
Part 1	Bottle limit [cumulative increase]	Y	
Part 2	Throughput limit [cumulative increase]	Y	
Part 3	Recordkeeping [cumulative increase]	Y	

V. SCHEDULE OF COMPLIANCE

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

VI. PERMIT CONDITIONS

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

Condition #8195
S-135, Railcar Fumigation Venting:

*1) Aluminum phosphide shall not be added in excess of 218 grams per railcar without prior written approval from the District. [toxic risk management policy ~~screen~~]

*2) Phosphine shall not be vented in excess of 0.16 pounds per railcar. [toxic risk management policy ~~screen~~]

*3) Fumigated Railcar unloading shall not exceed 2,190 cars in any 12 consecutive month period. [toxic risk management policy ~~screen~~]

*4) Fumigant formulations other than 55% aluminum phosphide and 45% ammonium carbamate shall not be used without prior written District authorization. [toxic risk management policy ~~screen~~]

*5) Recordkeeping shall be maintained on a monthly basis of the quantity of Aluminum phosphide added to each railcar and the quantity of fumigated railcars unloaded. Records shall be maintained for a period of 5 years and made readily available to District staff upon request. [toxic risk management policy ~~screen~~]

Condition #9061
S-134, ACP Air Pallet Unloader and S-137, Slurry Mix Tank:

1. The throughput of silica gel at each of the air pallet unloader (S-134) and slurry mix tank (S-137) shall not exceed ~~200~~ 222 tons during any rolling 12 consecutive month period. [cumulative increase]

2. To demonstrate compliance with Condition #1, the monthly throughput of silica gel at each of S-134 and S-137, totaled on a yearly basis, shall be maintained in a District approved log. These records shall be kept on site and made available for District inspection for a period of at least five years from the date on which a record is made. [cumulative increase]

VI. Permit Conditions

Condition #13032
S-1, S-2, and S-3, Boilers:

1. Fuel usage at each boiler, S-1, S-2, S-3, shall not exceed 1,042,440 MMBtu for any consecutive 12-month period. [2-1-301]

2. Emissions of nitrogen oxides (NOx) shall not exceed 30 ppmv, dry at 3% oxygen, as determined by Source Test Method 13A or 13B (District Manual of Procedures, Volume IV). [9-1-301.1]

3. Emissions of carbon monoxide (CO) shall not exceed 400 ppmv, dry at 3% oxygen, as determined by Source Test Method 6 (District Manual of Procedures, Volume IV). [9-1-301.2]

4. A District approved source test shall be performed on an annual basis to verify compliance with the NOx and CO emission standards. [basis: Regulation 2-6-409.2]

5. The sulfur content of the fuel oil shall be certified by the fuel oil vendor. [basis: Regulation 2-6-409.2]

6. Upon issuance of this permit, S-1, S-2, and S-3 Boilers, shall be checked for visible emissions after combustion of one million gallons of fuel oil, fired during the term of this permit, 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 operator shall continue to check for visible emissions at the same frequency. (basis: Regulation 2-6-409.2)

7. The operator shall keep records of all visible emissions checks, the person performing the check, and all corrective action taken at S-1, S-2, and S-3, Boilers. The records shall be retained for five (5) years and shall be made available to District personnel upon request. (basis: Regulation 2-6-409.2)

8. To determine compliance with part 1 and part 6 of this condition, the operator shall install individual fuel meters by December 31, 2001, and maintain the records of the fuel usage at each boiler on a monthly basis. The operator shall also summarize the fuel usage for each consecutive 12-month period at the end of each month. All records shall be recorded in a District-approved log. All records shall be retained on-site for five years from the date of entry and made available for inspection by District staff upon request. [2-1-301]

VI. Permit Conditions

Condition #14459
S-130, Diatomaceous Earth Storage Silo

1. A-130 baghouse shall be maintained in good working order at all times. [Regulation 6-301]

2. Written authorization shall be obtained prior to using material other than diatomaceous earth or perlite. [Regulation 6-301]

Condition #15891
S-139, Alcohol Loading

1. Total alcohol load out shall not exceed 400,000 gallons in any consecutive 12-month period or 15,385 gallons in any consecutive 24-hour period. [cumulative increase]

2. A District approved logbook shall be maintained on a monthly basis of the amount of alcohol loaded. Records shall be retained for a period of at least five years from the date of entry and shall be made available to District staff upon request. [cumulative increase]

Condition #16202
S-75, S-76, S-77, S-78, S-146, and S-147, ~~S-132, and S-133,~~ Videojet Can~~, Case, and Label~~ Coders,
S-120, S-121, S-128, S-131, and S-138, Diagraph Case Coders
~~S-86, S-120, S-121, S-128, and S-13~~S-132 and S-133, ~~, Marsh Case~~Linx Keg Label Coders
S-161, and S-162, ~~Bottle Label~~Videojet Coders, Line 1:

1. ~~Ink usage at S-75, S-76, S-77, S-78, S-132, and S-133, S-146, and S-147 combined shall not exceed 324~~ 359 gallons in any consecutive 12-month period. ~~Solvent thinner usage at S-75, S-76, S-77, S-78, S-132, and 133, S-146, and S-147 combined shall not exceed 30~~ 33 gallons in any consecutive 12-month period.~~Usage of inks~~, precursor organic compound (POC) for solvent thinning, or acetone at S-75, S-76, S-77, S-78, S-120, S-121, S-128, S-131, S-132, S-133, S-138, S-146, S-147, S-161, and S-162 shall not exceed the following limits in any consecutive 12-month period:
   a. Ink 1,339 gallons
   b. Solvent thinner 569 gallons
   c. Acetone 90 gallons
   [Basis: cumulative increase]

2. ~~Ink usage at S-86, S-120, S-121, S-128, and S-138 combined shall not exceed 1,044~~1,157 gallons in any consecutive 12-month period. ~~Solvent thinner usage at S-86, S-120,~~

VI. Permit Conditions

~~S-121, S-128, and S-138 combined shall not exceed 169~~ 187 ~~gallons in any consecutive 12-month period.~~Coatings and solvents, other than the material specified in Condition 1, and/or usages in excess of those specified in Condition 1, may be used at S-75, S-76, S-77, S-78, S-120, S-121, S-128, S-131, S-132, S-133, S-138, S-146, S-147, S-161, and S-162, provided that the owner/operator can demonstrate that the following is satisfied:

a. Total POC emissions from S-75, S-76, S-77, S-78, S-120, S-121, S-128, S-131, S-132, S-133, S-138, S-146, S-147, S-161, and S-162 do not exceed 17,370 pounds in any consecutive 12-month period.

[Basis: cumulative increase]

3. ~~A District approved logbook of the amount of ink and solvent used in these sources shall be maintained on a monthly basis. Records shall be retained for a period of at least 5 years from the date of entry and made readily available to District staff upon request.~~ In order to demonstrate compliance with the above conditions, the following records shall be maintained in a BAAQMD-approved log. These records shall be kept on site and made available for BAAQMD inspection for a period of at least five years from the date of entry:
   a. Type and monthly usage of all POC-containing materials used;
   b. If a material other than those specified in Condition 1 is used, the mass emission calculations to demonstrate compliance with Condition 2, on a monthly basis; and
   c. Monthly usage and/or emission calculations shall be totaled for each consecutive 12-month period.

   [~~BAAQMD 8-4-501,~~Basis: cumulative increase]

~~Condition #17176~~
~~S-11, Grain Unloading; S-14, Grain Transfer~~Silo Unloading ~~Hopper~~ & ~~Standby Exhauster~~

~~1. The pressure drop across the baghouse abating this source shall not be less than 1 inch of water nor exceed 9 inches of water. The differential pressure across the baghouse filter media abating this source shall be monitored and recorded not less than once per month when the system is operating. If the differential pressure is less than 1 psi or higher than 9 psi, the cause of the reading will be investigated and remedied, if the cause discovered could lead to higher than normal emission rates. [Regulation 2-6-409.2]~~

~~2. Records of the pressure drop across the baghouse shall be maintained on a monthly basis in a District approved logbook. Records shall be retained for a period of at least 5 years from the date of entry and made readily available to District staff upon request. [Regulation 2-6-409.2]~~

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~~S-36, Grain Dust Transfer~~

~~3. The differential pressure across the baghouse filter media abating this source shall be monitored and recorded not less than once per month when the system is operating. If the differential pressure is less than 1 psi or higher than 7 psi, the cause of the reading will be investigated and remedied, if the cause discovered could lead to higher than normal emission rates. The pressure drop across the baghouse abating this source shall not be less than 1 inch of water nor exceed 7 inches of water. [Regulation 2-6-409.2]~~

~~4. Records of the pressure drop across the baghouse shall be maintained on a monthly basis in a District approved logbook. Records shall be retained for a period of at least 5 years from the date of entry and made readily available to District staff upon request. [Regulation 2-6-409.2]~~

~~S-125, Precoat Tank; S-126, Body Feed Tank #1; and S-127, Body Feed Tank #2~~

~~5. The differential pressure across the baghouse filter media abating this source shall be monitored and recorded not less than once per month when the system is operating. If the differential pressure is less than 0.25 inches of water or higher than 3 inches of water, the cause of the reading will be investigated and remedied, if the cause discovered could lead to higher than normal emission rates. The pressure drop across the baghouse abating this source shall not be less than 0.25 inches of water nor exceed 3 inches of water. [Regulation 2-6-409.2]~~

~~6. Records of the pressure drop across the baghouse shall be maintained on a monthly basis in a District approved logbook. Records shall be retained for a period of at least 5 years from the date of entry and made readily available to District staff upon request. [Regulation 2-6-409.2]~~

~~S-134, ACP Air Pallet Unloader;~~ S-136, ACP Slurry Injection Tank; ~~S-137, ACP Slurry Mix Tank~~

~~7. The differential pressure across the baghouse filter media abating this source shall be monitored and recorded not less than once per month when the system is operating. If the differential pressure is less than 0.5 inches of water or higher than 6 inches of water, the cause of the reading will be investigated and remedied, if the cause discovered could lead to higher than normal emission rates. The pressure drop across the baghouse abating this source shall not be less than 0.5 inches of water nor exceed 6 inches of water. [Regulation 2-6-409.2]~~

~~8. Records of the pressure drop across the baghouse shall be maintained on a monthly basis in a District approved logbook. Records shall be retained for a period of at least 5 years from the date of entry and made readily available to District staff upon request. [Regulation 2-6-409.2]~~

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~~**S-130, D.E. Silo**~~

~~9. The differential pressure across the baghouse filter media abating this source shall be monitored and recorded not less than once per month when the system is operating. If the differential pressure is less than 0.5 inches of water or higher than 4 inches of water, the cause of the reading will be investigated and remedied, if the cause discovered could lead to higher-than-normal emission rates. The pressure drop across the baghouse abating this source shall not be less than 0.5 inches of water nor exceed 4 inches of water. [Regulation 2-6-409.2]~~

~~10. Records of the pressure drop across the baghouse shall be maintained on a monthly basis in a District approved logbook. Records shall be retained for a period of at least 5 years from the date of entry and made readily available to District staff upon request. [Regulation 2-6-409.2]~~

COND# 17176 ----------

Condition #17176, S-11, Grain Unloading; S-14, Grain Transfer Hopper, as amended in A#13621:

1. Owner/operator shall monitor and record the differential pressure ~~pressure drop~~ across the baghouse filter media abating this source not less than once per month when the system is operating. If the differential pressure is ~~such that the pressure drop shall not be~~ less than 1 inch of water or higher than ~~nor exceed~~ 9 inches of water, the cause of this reading shall be investigated and remedied within 7 days of the observance. [Basis: Regulation 2-6-409.2]

2. Owner/operator shall maintain ~~R~~records of the pressure drop across the baghouse ~~shall be maintained~~ on a monthly basis in a District approved logbook. Records shall be retained for a period of at least 5 years from the date of entry and made readily available to District staff upon request. [Basis: Regulation 2-6-409.2]

S-36, Grain Dust Transfer, as amended in A#13621:

3. ~~The pressure drop across the baghouse abating this source shall not be less than 1 inch of water nor exceed 7 inches of water.~~ Owner/operator shall monitor and record the differential pressure across the baghouse filter media abating this source not less than once per month when the system is operating. If the differential pressure is less than 0.5 inch of water or higher that 6 inches of water, the cause of this reading shall be investigated and remedied within 7 days of the observance. [Basis: Regulation 2-6-409.2]

4. Owner/operator shall maintain ~~R~~records of the pressure drop across the baghouse ~~shall~~

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~~be maintained~~ on a monthly basis in a District approved logbook. Records shall be retained for a period of at least 5 years from the date of entry and made readily available to District staff upon request. [Basis: Regulation 2-6-409.2]

S-125, Precoat Tank; S-126, Body Feed Tank #1; and S-127, Body Feed Tank #2, as amended in A#13621:

5. Owner/operator shall monitor and record the differential pressure ~~pressure drop~~ across the baghouse filter media abating this source not less than once per month when the system is operating. If the differential pressure is ~~such that the pressure drop shall not be~~ less than 0.25 inches of water or higher than ~~nor exceed~~ 3 inches of water, the cause of this reading shall be investigated and remedied within 7 days of the observance [Basis: Regulation 2-6-409.2]

6. Owner/operator shall maintain ~~R~~records of the pressure drop across the baghouse ~~shall be maintained~~ on a monthly basis in a District approved logbook. Records shall be retained for a period of at least 5 years from the date of entry and made readily available to District staff upon request. [Basis: Regulation 2-6-409.2]

S-134, ACP Air Pallet Unloader; S-137, ACP Slurry Mix Tank as amended in A#13621:

7. Owner/operator shall monitor and record the differential pressure ~~pressure drop~~ across the baghouse filter media abating this source not less than once per month when the system is operating. If the differential pressure is ~~such that the pressure drop shall not be~~ less than 0.5 inches of water or higher than ~~nor exceed~~ 6 inches of water, the cause of this reading shall be investigated and remedied within 7 days of the observance [Basis: Regulation 2-6-409.2]

8. Owner/operator shall maintain ~~R~~records of the pressure drop across the baghouse ~~shall be maintained~~ on a monthly basis in a District approved logbook. Records shall be retained for a period of at least 5 years from the date of entry and made readily available to District staff upon request. [Basis: Regulation 2-6-409.2]

S-130, D.E. Silo, as amended in A#13621:

9. Owner/operator shall monitor and record the differential pressure ~~pressure drop~~ across the baghouse filter media abating this source not less than once per month when the system is operating. If the differential pressure is ~~such that the pressure drop shall not be~~ less than 0.5 inches of water or higher than ~~nor exceed~~ 4 inches of water, the cause of this reading shall be investigated and remedied within 7 days of the observance [Basis: Regulation 2-6-409.2]

10. Owner/operator shall maintain ~~R~~records of the pressure drop across the baghouse ~~shall be maintained~~ on a monthly basis in a District approved logbook. Records shall be retained for a period of at least 5 years from the date of entry and made readily available to District staff upon

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request. [Basis: Regulation 2-6-409.2]

~~**Condition #17177**~~
~~**S-140 Grains Transfer and Storage; S-141 Grain Milling & Weighing (Malt); S-142 Grain Milling & Weighing (Malt**~~**Adjunct**~~**)**~~

~~*1. The use of methyl bromide~~emission of phosphine gas at these sources ~~at this source shall not exceed 2,500~~240 ~~pounds in any 12 consecutive month period. [toxic risk screen]~~

~~*2. Records of the quantity of methyl bromide~~phosphine gas ~~used at this source shall be maintained on a monthly basis in a District approved logbook. Records shall be retained for a period of at least 5 years from the date of entry and made readily available to District staff upon request. [toxic risk screen]~~

~~3. The differential pressure across the baghouse filter media abating this source shall be monitored and recorded not less than once per month when the system is operating. If the differential pressure is less than 1 psi or higher than 6 psi, the cause of the reading will be investigated and remedied, if the cause discovered could lead to higher than normal emission rates. The pressure drop across the baghouse abating this source shall not be less than 1 inch of water nor exceed 6 inches of water. [Regulation 2-6-409.2]~~

~~4. Records of the pressure drop across the baghouse shall be maintained on a monthly basis in a District approved logbook. Records shall be retained for a period of at least 5 years from the date of entry and made readily available to District staff upon request. [Regulation 2-6-409.2]~~

Condition #17177, S-140 Grains Transfer & Storage, S-141 Grains Milling & Weighing (malt); S-142 Grains Milling & Weighing (adjunct), as amended in A#13621:

1. Owner/operator shall monitor ~~T~~the emission of phosphine gas at these sources such that the emission of phosphine gas shall not exceed 240 pounds in any 12 consecutive month period. [Basis: toxic risk screen]

2. Owner/operator shall maintain ~~R~~records of the quantity of phosphine gas emitted at these sources ~~shall be maintained~~ on a quarterly basis in a District approved logbook. Records shall be retained for a period of at least 5 years from the date of entry and made readily available to District staff upon request. [Basis: toxic risk screen]

~~3. The pressure drop across A-12 baghouse abating these sources shall not be less than 1 inch of water~~

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~~nor exceed 6 inches of water.~~ The differential pressure across the baghouse filter media abating this source shall be monitored and recorded not less than once per month when the system is operating. If the differential pressure is less than 0.5 inch of water or higher that 6 inches of water, the cause of this reading shall be investigated and remedied within 7 days of the observance. [Basis: Regulation 2-6-409.2]

4. Owner/operator shall maintain ~~R~~records of the pressure drop across the baghouse ~~shall be maintained~~ on a monthly basis in a District approved logbook. Records shall be retained for a period of at least 5 years from the date of entry and
made readily available to District staff upon request. [Basis: Regulation 2-6-409.2]

~~**Condition #17659S-21, Brew Kettle**~~

~~1. Hot Wort production at the brew kettle, S-12, shall not exceed 4,006,080 barrels for any consecutive 12-month period. A barrel shall be equivalent to 31 gallons. [2-1-301]~~

~~2.To determine compliance with part 1 of this condition, the operator shall maintain the records of the hot wort production on a monthly basis. The operator shall also summarize the hot wort production for each consecutive 12-month period at the end of each month. All records shall be recorded in a District-approved log. All records shall be retained on-site for five years from the date of entry and made available for inspection by District staff upon request. [2-1-301]~~

Condition #18614
S-143, S-144, and S-145

1. The S-143, S-144, and S-145 engines are subject to the requirements of Regulation 9, Rule 1 ("Sulfur Dioxide"), and the requirements of Regulation 6 ("Particulate and Visible Emissions"). These engines may be subject to other District regulations, including Regulation 9, Rule 8 ("NOx and CO from Stationary Internal Combustion Engines") in the future.
[Regulation 9, Rule 1; Regulation 6]

2. S-143, S-144, and S-145 shall be operated for no more than 100 hours EACH in any consecutive 12 month period for the purpose of reliability testing or in anticipation of imminent emergency conditions. Emergency conditions are:
a. failure of a regular power supply, OR
b. involuntary curtailment of a power supply (where the utility which provides regular power has been instructed by the Independent System Operator to shed firm load, or where the utility has actually shed firm load).

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[Regulation 2, Rule 1]

3. S-143, S-144, and S-145 may be operated for an unlimited amount of time for the purpose of providing emergency standby power during emergency conditions (as defined in Part 2a).
[Regulation 2, Rule 1]

~~4. The sulfur content of the fuel shall be certified by the fuel oil vendor.
[Regulation 2-6-409.2]~~

4~~5~~. S-143, S-144, and S-145 shall each be equipped with a non-resettable totalizing counter that records hours of operation for each engine.
[Regulation 2-6-409.2]

5~~6~~. The following monthly records shall be maintained in a District-approved log for at least 5 years and shall be made available to the District upon request:
a. total hours of operation for S-143, S-144, and S-145 (individually)
b. hours of operation under emergency conditions for S-143, S-144, and S-145 (individually) and a description of the nature of the emergency condition
c. fuel usage at S-143, S-144, and S-145 (individually)
~~d. fuel oil certification.~~
[Regulation 2-6-409.2]

Condition #20632
S-149 Lauter Tub, S-150 Brew Kettle No. 1, and S-151 Brew Kettle No. 2

1. The owner/operator shall limit throughput at S-149 lauter tub to not more than 4,441,320 barrels (bbls) of hot wort in any consecutive 12-month period. [cumulative increase]

2. The owner/operator shall limit the combined throughput st S-150 and S-151 brew kettles to not more than 4,441,320 barrels (bbls) of hot wort in any consecutive 12-month period. [cumulative increase]

3. The owner/operator shall limit facility production of beer to nore more than 6,351,088 barrels (bbls) of beer in any consecutive 12-month period. [cumulative increase]

4. The owner/operator shall maintain a District approved logbook on a monthly basis of the hot wort and beer throughput. The owner/operator shall maintain records for a period of at least 5 years from the date of entry and make them readily available to District staff upon request. [recordkeeping]

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Condition #21595
~~S-152 Bottle Filler Line 10,~~ S-154 Can Filler Line 40~~,~~ and S-155 Can Filler Line 50

1. The owner/operator shall not exceed ~~850 bottles/minute through S-152,~~ 1560 cans/minute through S-154~~,~~ and 1565 cans/minute through S-155. [Basis: cumulative increase]

2. The owner/operators shall maintain records in a District-approved logbook on a ~~weekly~~ monthly basis of weekly can and bottle throughputs from each line. Records shall be maintained for a period of at least 5 years and made available upon request to district staff. [Basis: cumulative increase]

Condition #21610
S-156 Emergency Standby Diesel Engine/Generator

1. Hours of Operation: The owner/operator shall operate the emergency standby engine(s) only to mitigate emergency conditions ~~for~~ or for reliability-related activities. Operating while mitigating emergency conditions is unlimited. Operating for reliability-related activities is limited to 100 hours per any calendar year. [Basis: Regulation 9-8-330]

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

   [Basis: Regulation 9-8-231]

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

   [Basis: Regulation 9-8-232]

2. The owner/operator shall equip the emergency standby engine(s) with either:

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a. A non-resettable totalizing meter that measures the hours of operation for the engine; or
b. A non-resettable fuel usage meter, the maximum hourly fuel rate shall be used to convert fuel usage to hours of operation. [Basis: Regulation 9-8-530]

3. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 5 years and shall make the log available for District inspection upon request:
   a. Hours of operation (total).
   b. Hours of operation (emergency).
   c. For each emergency, the nature of the emergency condition.
   d. Fuel usage for engine(s) if a non-resettable fuel usage meter is utilized [Basis: Regulations 9-8-530 and 1-441]

Condition #21639
S-158 Bottle Line 1

1. The owner/operator shall not exceed 1800 bottles/minute through S-158. [Basis: cumulative increase]
2. The owner/operator shall not exceed 6,351,088 bbls/year through S-158. [Basis: cumulative increase]
3. The owner/operator shall maintain records in a District-approved logbook on a ~~weekly~~ monthly basis of weekly bottle throughput from this line. Records shall be maintained for a period of at least 5 years and made available upon request to district staff. [Basis: recordkeeping]

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

Table VII-A
S-1, S-2, AND S-3 – BOILERS

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NO_X	BAAQMD 9-7-301.1	Y		30 ppmv @3%O2, dry, 3-hr average	BAAQMD Condition 13032, Part 3	P/A	Annual source test
	BAAQMD 9-7-302.1	Y		40 ppmv @3%O2, dry, 3-hr average		N	
	BAAQMD 9-7-305.1	Y		150 ppmv @ 3%O2, dry, 3-hr average		N	
	BAAQMD 9-7-306.1	Y		150 ppmv @ 3%O2, dry, 3-hr average		N	
	BAAQMD Condition 13032, Part 1	Y		30 ppmv @ 3%O2, dry, 3-hr average	BAAQMD Condition 13032, Part 3	P/A	Annual source test
CO	BAAQMD 9-7-301.2	Y		400 ppmv @3%O2, dry, 3-hr average	BAAQMD Condition 13032, Part 3	P/A	Annual source test
	BAAQMD 9-7-302.2	Y		400 ppmv @3%O2, dry, 3-hr average		N	
	BAAQMD 9-7-305.2	Y		400 ppmv @3%O2, dry, 3-hr average		N	
CO	BAAQMD 9-7-306.2	Y		400 ppmv @3%O2, dry, 3-hr average		N	

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-A
S-1, S-2, AND S-3 – BOILERS

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD Condition 13032, Part 2	Y		400 ppmv @3%O2, dry, 3-hr average	BAAQMD Condition 13032, Part 3	P/A	Annual source test
SO_2	BAAQMD 9-1-301	N		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N	
	BAAQMD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)		N	
	BAAQMD 9-1-304	Y		Sulfur content of fuel <0.5% by weight	BAAQMD Condition 13032 part 4	P/E	Fuel certification by vendor
Opacity	BAAQMD 6-301	Y		≥ Ringelmann No. 1 for no more than 3 min/hr (natural gas)		N	
	BAAQMD 6-301	Y		≥ Ringelmann No. 1 for no more than 3 min/hr (fuel oil)	BAAQMD Condition 13032 part 5	P/every 1 million gal combusted	Visible emissions check
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2		N	
Heat input	BAAQMD Condition 13032, Part 1	Y		1,042,440 MMBtu/yr for each boiler	BAAQMD Condition 13032, Part 8	P/M	Recordkeeping

[1] Ground Level Concentration

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII - B
S-11 - GRAIN UNLOADING;
S-14 - ~~GRAIN TRANSFER~~SILO UNLOADING HOPPER & STANDBY EXHAUSTER

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 Regulation 6-301	Y		≥ Ringelmann 1 for no more than 3 min/hr	BAAQMD Condition 17176, Part 1	P/M	Pressure drop monitoring
FP	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume	BAAQMD Condition 17176, Part 1	P/M	Pressure drop monitoring
	BAAQMD Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition 17176, Part 1	P/M	Pressure drop monitoring

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII - C
S-15 - MASH COOKER #1; S-16 - MASH COOKER #2;
S-22 - HOPS STRAINER;
S-23 - HOT WORT TANK; S-24 – WORT AERATOR/COOLER #1;
S-25 - WORT AERATOR/COOLER #2; S-41 - CHIP WASHERS 1-4;
S-60 - STILL FEED TANK; S-61 - ALCOHOL DISTILLATION DEGASSER ;
S-62 - ALCOHOL DISTILLATION STRIPPING COLUMN;
S-63 - ALCOHOL DISTILLATION STRIPPING COLUMN CONDENSER;
S-64 - ALCOHOL DISTILLATION RECTIFYING COLUMN;
S-65 - ALCOHOL DISTILLATION RECTIFYING COLUMN CONDENSER;
S-97 - MASH COOKER #3; S-98 - MASH COOKER #4;
S-124 – ALPHA FERMENTATION TANKS;
~~S-152 – BOTTLE FILLER, LINE 10;~~ **S-154 – CAN FILLER, LINE 40;**
S-155 – CAN FILLER, LINE 50; S- 158 - BOTTLE LINE 1 (FILLER 1 & FILLER 2)~~S-15 - MASH COOKER #1; S-16 - MASH COOKER #2;~~
~~S-18 – STRAINMASTER/SPENT GRAINS HOLDING TANK;~~
~~S-20 - BREW HOLDING KETTLE;~~
~~S-22 - HOPS STRAINER; S-23 - HOT WORT RECEIVER;~~
~~S-24 - WORT AERATOR/COOLER #1; S-25 - WORT AERATOR/COOLER #2;~~
~~S-41 - CHIP WASHERS 1-4~~
~~S-60 - STILL FEED TANK; S-61 – ALCOHOL DISTILLATION DEGASSER;~~
~~S-62 - ALCOHOL DISTILLATION STRIPPING COLUMN;~~
~~S-63 - ALCOHOL DISTILLATION STRIPPING COLUMN CONDENSER;~~
~~S-64 - ALCOHOL DISTILLATION RECTIFYING COLUMN;~~
~~S-65 - ALCOHOL DISTILLATION RECTIFYING COLUMN CONDENSER~~
~~S-97 - MASH COOKER #3; S-98 - MASH COOKER #4~~
~~S-124 – ALPHA FERMENTATION TANKS;~~
S-160 – BOTTLE LINE 1 (~~FILLER 1 & FILLER 2~~)

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-2-301	Y		Emissions of total carbon (dry basis) shall not exceed 15 lb/day and 300 ppm	None	N	None

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII - D
S-149 – Lauter Tub; ~~S-21 - Brewkettle~~
S-150 – Brew Kettle No. 1; S-151 – Brew Kettle 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
VOC	BAAQMD 8-2-301	Y		Emissions of total carbon (dry basis) shall not exceed 15 lb/day and 300 ppm	None	N	None
~~Beer~~ Hot wort production	BAAQMD Condition ~~17659~~20632 Part 1	Y		~~4,006,080~~4,441,320 barrels/~~yr~~12-month period (each barrel = 31 gallons) at lauter tub	BAAQMD Condition ~~17659~~20632 Part ~~2~~4	P/M	Recordkeeping
Hot wort production	BAAQMD Condition 20632 Part 2	Y		4,441,320 barrels/12-month period (each barrel = 31 gallons) through both brew kettles	BAAQMD Condition 20632 Part 4	P/M	Recordkeeping
Beer production	BAAQMD Condition 20632 Part 3	Y		6,351,088 barrels/12-month period	BAAQMD Condition 20632 Part ~~2~~4	P/M	Recordkeeping

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII - E
S-36 – GRAIN TRANSFER

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 Regulation 6-301	Y		$\geq$ Ringelmann 1 for no more than 3 min/hr	BAAQMD Condition 17176, Part 3	P/M	Pressure drop monitoring
FP	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume	BAAQMD Condition 17176, Part 3	P/M	Pressure drop monitoring
	BAAQMD Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition 17176, Part 3	P/M	Pressure drop monitoring

Table VII – F
S-52 – KEG WASHER

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 Regulation 6-301	Y		$\geq$ Ringelmann 1 for no more than 3 min/hr		N	
FP	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume		N	
	BAAQMD Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr		N	

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-G
S-75 THROUGH S-78, S-146, AND S-147 - VIDEOJET CAN CODERS
S-120, S-121, S-128, S-131, AND S-138 - DIAGRAPH CASE CODERS
S-132 AND S-133 - LINX KEG LABEL CODERS
S-161, AND S-162 – ~~BOTTLE LABEL~~VIDEOJET CODERS, LINE 1~~S-75 THROUGH S-78 - VIDEOJET CAN CODERS~~
~~S-86, S-120, S-121, S-128, AND S-138 - MARSH CASE CODERS~~
~~S-132 AND S-133 - VIDEOJET CAN CODERS~~

Pollutant	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-4-302.3	N		5 tons POC on an annualized basis	BAAQMD 8-4-501	P/A	records
VOC	SIP 8-4-302	Y		5 tons POC on a calendar year basis	BAAQMD 8-4-501	P/A	records
VOC	BAAQMD Condition 16202 Part 1	Y		Total ink usage at ~~S-86, S-120, S-121, S-128, and S-138~~ combined not to exceed ~~324~~ 1,339 gal/yr. Solvent thinner usage ~~at S-86, S-120, S-121, S-128, and S-138~~ combined not to exceed ~~30~~ 569 gal/yr. Acetone usage combined not to exceed 26 gallons.	BAAQMD Condition 16202 Part 3	P/M	records

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-G
S-75 THROUGH S-78, S-146, AND S-147 - VIDEOJET CAN CODERS
S-120, S-121, S-128, S-131, AND S-138 - DIAGRAPH CASE CODERS
S-132 AND S-133 - LINX KEG LABEL CODERS
S-161, AND S-162 – ~~BOTTLE LABEL~~VIDEOJET CODERS, LINE 1~~S-75 THROUGH S-78 - VIDEOJET CAN CODERS~~
~~S-86, S-120, S-121, S-128, AND S-138 - MARSH CASE CODERS~~
~~S-132 AND S-133 - VIDEOJET CAN CODERS~~

Pollutant	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Condition 16202 Part 2	Y		~~Total ink usage at S-86, S-120, S-121, S-128, and S-138 combined not to exceed 1,044 gal/yr. Solvent thinner usage at S-86, S-120, S-121, S-128, and S-138 combined not to exceed 169 gal/yr.~~ Usages in excess of those specified in Part 1 of Condition 16202 may be used if total POC emissions do not exceed 17,370 pounds.	BAAQMD Condition 16202 Part 3	P/M	records

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – H
S-125 – PRECOAT TANK; S-126 - BODY FEED TANK #1; S-127 – BODY FEED TANK #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 Regulation 6-301	Y		$\geq$ Ringelmann 1 for no more than 3 min/hr	BAAQMD Condition 17176, Part 5	P/M	Pressure drop monitoring
FP	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume	BAAQMD Condition 17176, Part 5	P/M	Pressure drop monitoring
	BAAQMD Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition 17176, Part 5	P/M	Pressure drop monitoring

Table VII - I
S-130 - D.E. SILO

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 Regulation 6-301	Y		$\geq$ Ringelmann 1 for no more than 3 min/hr	BAAQMD Condition 17176, Part 9	P/M	Pressure drop monitoring
FP	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume	BAAQMD Condition 17176, Part 9	P/M	Pressure drop monitoring
	BAAQMD Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition 17176, Part 9	P/M	Pressure drop monitoring

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII - J
S-134 – ACP AIR PALLET UNLOADER
S-137- ACP SLURRY MIX TANK

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-301	Y		≥ Ringelmann No. 1 for no more than 3 min/hr	BAAQMD Condition 17176, Part 7	P/M	Pressure drop
FP	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume	BAAQMD Condition 17176, Part 7	P/M	Pressure drop
FP	BAAQMD Regulation 6-311	Y		No emissions from source > rate (lb/hour)	BAAQMD Condition 17176, Part 7	P/M	Pressure drop
PM	BAAQMD Condition 9061, part 1	Y		Throughput less than ~~200~~ 222 tons/yr	BAAQMD Condition 9061, part 2	P/M	records

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII - K
S-135 - FUMIGATED RAILCAR PURGING

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-2-301	Y		Emissions of total carbon (dry basis) shall not exceed 15 lb/day and 300 ppm	None	N	None
HAP	BAAQMD Condition #8195 Part 1	N		Aluminum phosphide limit: 218 grams/railcar	BAAQMD Condition #8195 Part 5	P/M	Recordkeeping
HAP	BAAQMD Condition #8195 Part 2	N		Phosphine emission limit: 0.16 lb/railcar	BAAQMD Condition #8195 Part 5	P/M	Recordkeeping
HAP	BAAQMD Condition #8195 Part 3	N		2,190 fumigated railcar/yr limit	BAAQMD Condition #8195 Part 5	P/M	Recordkeeping
HAP	BAAQMD Condition #8195 Part 4	N		Specified fumigant formulation	BAAQMD Condition #8195 Part 5	P/M	Recordkeeping

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII - L
S-136 - ACP SLURRY INJECTION TANK

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-301	Y		$\geq$ Ringelmann 1 for no more than 3 min/hr		N	
FP	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume		N	
	BAAQMD Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr		N	

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-M
S-139 - ALCOHOL LOADING STATION

Pollutant	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-2-301	Y		Emissions of total carbon (dry basis) shall not exceed 15 lb/day and 300 ppm	None	N	None
VOC	BAAQMD Condition 15891, Part 1	Y		Alcohol loadout limited to 400,000 gallons on an annualized basis or 15,385 gallons in any consecutive 24 hour period	BAAQMD Condition 15891, Part 2	P/M	records

Table VII – N
S-140 GRAINS TRANSFER AND STORAGE; S-141 GRAIN WEIGHING & MILLING (MALT); S-142 GRAIN WEIGHING & MILLING (ADJUNCT)

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 Regulation 6-301	Y		≥ Ringelmann 1 for no more than 3 min/hr	BAAQMD Condition 17177, Part 3	P/W	Pressure drop monitoring
FP	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume	BAAQMD Condition 17177, Part 3	P/W	Pressure drop monitoring
	BAAQMD Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition 17177, Part 3	P/W	Pressure drop monitoring
~~MeBr~~Phosphine	BAAQMD Condition #17177 Part 1	N		~~2,500~~240 lb/yr	BAAQMD Condition 17177 Part ~~2~~4	P/M	Recordkeeping

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-O
S-143, S-144, AND S-145 STANDBY ENGINE/GENERATORS

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD 9-1-301	N		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N	
	BAAQMD 9-1-304	Y		Sulfur content of fuel <0.5% by weight	~~BAAQMD Condition 18614 part 4~~	N~~P/E~~	~~Fuel certification by vendor~~
Opacity	BAAQMD Regulation 6-301	Y		≥ Ringelmann 1 for no more than 3 min/hr		N	
FP	BAAQMD 6-310	Y		0.15 grain/dscf		N	
Hours of operation	BAAQMD 9-8-330.1	Y		Emergency use for an unlimited number of hours	BAAQMD Cond# 18614, Parts 4 and 5	P/E	Fuel meter, recordkeeping
	BAAQMD 9-8-330.2	Y		Reliability-related activities not to exceed 100 hours in any consecutive 12-month period	BAAQMD Cond# 18614, Part 2	P/E	Fuel meter, recordkeeping
Hours of operation	BAAQMD Cond# 18614, Part 2	Y		100 hours of operation for testing or in anticipation of imminent emergency condition	BAAQMD Cond# 18614, Parts 4 and 5	P/M	Fuel meter, recordkeeping
Hours of operation during emer-gencies					BAAQMD Cond# 18614, Parts 4 and 5	P/M	Fuel meter, recordkeeping

[1] Ground Level Concentration

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII - P
~~S-152 Bottle Filler Line 10;~~ S-154 Can Filler Line 40~~;~~ and S-155 Can Filler Line 50

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-2-301	Y		Emissions of total carbon (dry basis) shall not exceed 15 lb/day and 300 ppm	None	N	None
VOC	BAAQMD Condition 21595 Part 1	Y		~~Bottle Line 10 limit 850 bottles/minute,~~ Can Line 40 limit 1560 cans/minute, Can Line 50 limit 1565 cans/minute	BAAQMD Condition 21595 Part 2	P/M	Recordkeeping

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-Q
S-156 EMERGENCY STANDBY DIESEL ENGINE/GENERATORS

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD 9-1-301	N		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N	
	BAAQMD 9-1-304	Y		Sulfur content of fuel ≤0.5% by weight		N	
Opacity	BAAQMD Regulation 6-301	Y		> Ringelmann 1 for no more than 3 min/hr		N	
FP	BAAQMD 6-310	Y		0.15 grain/dscf		N	
Hours of operation	BAAQMD 9-8-330.1	Y		Emergency use for an unlimited number of hours	BAAQMD Cond# 21610, Parts 2 and 3	P/E	Meter, recordkeeping
Hours of operation	BAAQMD 9-8-330.2	Y		Reliability-related activities not to exceed 100 hours in any consecutive 12-month period	BAAQMD Cond# 21610, Part 2 and 3	P/E	Meter, recordkeeping

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII - R
S-158 Bottle Filler Line 1

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-2-301	Y		Emissions of total carbon (dry basis) shall not exceed 15 lb/day and 300 ppm	None	N	None
VOC	BAAQMD Condition 21639 Parts 1 and 2	Y		Bottle limit 1800 bottles/minute, Throughput limit 6,351,088 barrels/year	BAAQMD Condition 21595 Part 3	P/M	Recordkeeping

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
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD 6-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD 8-2-301	Emissions of VOC	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling; or EPA Method 25 or Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, or EPA Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer
BAAQMD 8-4-302	Emissions of VOC	Manual of Procedures, Volume IV, ST-7, Non-methane Organic Carbon Sampling
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	Determination of Nitrogen Oxides	Manual of Procedures, Volume IV, ST-13 A or B, Oxides of Nitrogen, Continuous or Integrated Sampling
BAAQMD 9-7-301.2	Determination of Carbon Monoxide and Stack-Gas Oxygen	Manual of Procedures, Volume IV, ST-6, Carbon monoxide, Continuous Sampling, and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-7-302.1	Determination of Nitrogen Oxides	Manual of Procedures, Volume IV, ST-13 A or B, Oxides of Nitrogen, Continuous or Integrated Sampling
BAAQMD 9-7-302.2	Determination of Carbon Monoxide and Stack-Gas Oxygen	Manual of Procedures, Volume IV, ST-6, Carbon monoxide, Continuous Sampling, and ST-14, Oxygen, Continuous Sampling

IX. REVISION HISTORY

Initial Issuance: March 12, 2001

Minor Revision: November 21, 2001
- Division of an existing source (no. 12) into several sources for the purpose of clarification
- Replacement of two small malt mills with one large malt mill
- Correction of several permit conditions and capacities due to incorrect original information

Minor Revision: August 12, 2002
- Addition of three 1850-hp emergency standby generators

Administrative Amendment: October 23, 2002
- Correction of typographical errors:
- Monitoring frequency in Table VII-B for particulate limits changed from weekly to monthly to match permit condition.
- Source numbers corrected in Table VII-G.

Significant Revision March 2003
- Replacement of existing Strainmaster (S-18) with a new Lauter Tub (S-149) and replacement existing brew kettle (S-20 and S-21) with Brew Kettle No. 1 (S-150) and Brew Kettle No. 2 (S-151). Results in throughput increase from 4,006,080 bbls Wort per year to 4,441,320 bbls Wort per year.

Minor Revision Feb. 2004
- Due to Loss of Exemption, addition of the packaging line fillers, and a 310-hp emergency standby engine.

Significant Revision April 2004
- Replacement of S-153 Bottle Filler Line 10 and S-154 Bottle Filler Line 20 with S-160 New Bottle Line 1 (Filler 1 & Filler 2). Bottler Filler Line 10 will be kept as back-up.

Renewal Application August 2005

X. GLOSSARY

ACT
Federal Clean Air Act

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CEQA
California Environmental Quality Act

CFR
The Code of Federal Regulations. 40 CFR contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of 40 CFR contain the requirements for air pollution programs.

CO
Carbon Monoxide

Cumulative Increase
The sum of permitted emissions from each new or modified source since a specified date pursuant to BAAQMD Rule 2-1-403, Permit Conditions (as amended by the District Board on 7/17/91) and SIP Rule 2-1-403, Permit Conditions (as approved by EPA on 6/23/95). Used to determine whether threshold-based requirements are triggered.

District
The Bay Area Air Quality Management District

EPA
The federal Environmental Protection Agency.

Excluded
Not subject to any District Regulations.

X. Glossary

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

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

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 regulated air pollutants greater than or equal to 100 tons per year, greater than or equal to 10 tons per year of any single hazardous air pollutant, and/or greater than or equal to 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity as determined by the EPA administrator.

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

MOP
The District's Manual of Procedures.

NAAQS
National Ambient Air Quality Standards

NESHAPs
National Emission Standards for Hazardous Air Pollutants. See in 40 CFR Part 61.

NMHC
Non-methane Hydrocarbons

NOx
Oxides of nitrogen.

NSPS
Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Act, and implemented by both 40 CFR Part 60 and District Regulation 10.

X. Glossary

NSR
New Source Review. A federal program for pre-construction review and permitting of new and modified sources of air pollutants for which criteria have been established in accordance with Section 108 of the Federal Clean Air Act. Mandated by Title I of the Clean Air Act and implemented by 40 CFR Parts 51 and 52 District 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 air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 and District Regulation 2, Rule 2.

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

SO2
Sulfur dioxide

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

TRMP
Toxics Risk Management Plan

X. Glossary

TSP
Total Suspended Particulate

VOC
Volatile Organic Compounds

Units of Measure:

bhp	=	brake-horsepower
btu	=	British Thermal Unit
g	=	grams
gal	=	gallon
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

XI. APPLICABLE STATE IMPLEMENTATION PLAN

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

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

http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions