AUG 16 2012

Jeff Schultz
ConAgra Foods
554 Yosemite Avenue
Oakdale, CA 95361

Re: Notice of Preliminary Decision - Federally Mandated Operating Permit
District Facility # N-1976
Project # N-1110607

Dear Mr. Schultz:

Enclosed for your review and comment is the District's analysis of ConAgra Foods' application for the Federally Mandated Operating Permit for its foods processing facility, 554 S. Yosemite Ave, Oakdale, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 30-day comment period which begins on the date of publication of the public notice.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Sincerely,

David Warner
Director of Permit Services

cc: Juscelino Siongco, Permit Services Engineer

Attachments
AUG 16 2012

Gerardo C. Rios, Chief
Permits Office (AIR-3)
U.S. EPA - Region IX
75 Hawthorne St
San Francisco, CA 94105

Re: Notice of Preliminary Decision - Federally Mandated Operating Permit
District Facility # N-1976
Project # N-1110607

Dear Mr. Rios:

Enclosed for your review and comment is the District's analysis of ConAgra Foods' application for the Federally Mandated Operating Permit for its foods processing facility, 554 S. Yosemite Ave, Oakdale, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 45-day comment period which begins on the date of publication of the public notice.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Sincerely,

David Warner
Director of Permit Services

cc: Juscelino Siongco, Permit Services Engineer

Attachments

Seyed Sadredin
Executive Director/Air Pollution Control Officer
Aug 16 2012

Mike Tollstrup, Chief
Project Assessment Branch
Air Resources Board
P O Box 2815
Sacramento, CA 95812-2815

Re: Notice of Preliminary Decision - Federally Mandated Operating Permit
District Facility # N-1976
Project # N-1110607

Dear Mr. Tollstrup:

Enclosed for your review and comment is the District's analysis of ConAgra Foods' application for the Federally Mandated Operating Permit for its foods processing facility, 554 S. Yosemite Ave, Oakdale, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 30-day comment period which begins on the date of publication of the public notice.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Sincerely,

[Signature]
David Warner
Director of Permit Services

cc: Juscelino Siongco, Permit Services Engineer

Attachments
NOTICE OF PRELIMINARY DECISION
FOR THE PROPOSED ISSUANCE OF
FEDERALLY MANDATED OPERATING PERMITS

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Air Pollution Control District solicits public comment on the proposed issuance of the Federally Mandated Operating permits to ConAgra Foods for its foods processing facility, 554 S. Yosemite Ave, Oakdale, California.

The District's analysis of the legal and factual basis for this proposed action, project #N-1110607, is available for public inspection at http://www.valleyair.org/notices/public_notices_idx.htm and the District office at the address below. There are no emission changes associated with this proposed action. This will be the public's only opportunity to comment on the specific conditions of the proposed Federally Mandated Operating initial permits. If requested by the public, the District will hold a public hearing regarding issuance of this initial permit. For additional information, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900. Written comments on the proposed initial permit must be submitted within 30 days of the publication date of this notice to DAVID WARNER, DIRECTOR OF PERMIT SERVICES, SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 1990 E. GETTYSBURG AVE, FRESNO, CALIFORNIA 93726-0244.
SAN JOAQUIN VALLEY
UNIFIED AIR POLLUTION CONTROL DISTRICT

CONAGRA FOODS

PROPOSED ENGINEERING EVALUATION

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ATTACHMENT A – DETAILED FACILITY PRINTOUT
ATTACHMENT B – EXEMPT EQUIPMENT
ATTACHMENT C – SJVUAPCD PERMITS
I. PROPOSAL

ConAgra Foods is proposing that an initial Title V permit be issued for its food products processing facility at 554 S. Yosemite Ave, Oakdale, in Stanislaus County, CA. The purpose of this evaluation is to identify all applicable requirements, determine if the facility will comply with those applicable requirements, and to provide the legal and factual basis for proposed permit conditions.

II. FACILITY LOCATION

ConAgra Foods is located at 554 S Yosemite Ave, Oakdale, in Stanislaus County, CA.

III. EQUIPMENT LISTING

A detailed facility printout listing all permitted equipment at the facility is shown in Attachment A.

A summary of the exempt equipment categories which describe the insignificant activities or equipment at the facility not requiring a permit is shown in Attachment B. This equipment is not exempt from facility-wide requirements.

IV. GENERAL PERMIT TEMPLATE USAGE

The applicant is requesting to use the following model general permit templates:
a. SJV-UM-0-3, Facility-wide Umbrella General Permit Template

The applicant has requested to utilize template #SJV-UM-03, Facility-wide Umbrella General Permit Template for unit N-1976-0-2. Based on the information submitted on the Template Qualification Form, the applicant qualifies for the use of this template.

V. SCOPE OF EPA AND PUBLIC REVIEW

Certain segments of the proposed Operating Permit are based on model general permit templates that have been previously subject to EPA and public review. The terms and conditions from the model general permit templates are included in the proposed permit and are not subject to further EPA and public review.

For permit applications utilizing model general permit templates, public and agency comments on the District's proposed actions are limited to the applicant's eligibility for model general permit template, applicable requirements not covered by the model general permit template, and the applicable procedural requirements for issuance of Title V Operating Permits.

The following permit conditions, including their underlying applicable requirements, originate from model general permit templates and are not subject to further EPA or public review.

Conditions 1 through 40 of the requirements for permit unit N-1976-0-2.

VI. REQUIREMENTS ADDRESSED BY GENERAL PERMIT TEMPLATE

District Rule 1100, Equipment Breakdown (Amended December 17, 1992) (Non-SIP replacement for Stanislaus County Rule 110)

District Rule 1160, Emission Statements (adopted November 18, 1992)

District Rule 2010, Permits Required (Amended December 17, 1992)

District Rule 2020, Exemptions (Amended August 18, 2011)

District Rule 2031, Transfer of Permits (Amended December 17, 1992)

District Rule 2040, Applications (Amended December 17, 1992)

District Rule 2070, Standards for Granting Applications (Amended December 17, 1992)

District Rule 2080, Conditional Approval (Amended December 17, 1992)

1 The amendments made to this rule on August 18, 2011 have no impact to this source; therefore template SJV-UM-0-3 is still valid for this project.

District Rule 4101, Visible Emissions (Amended February 17, 2005)

District Rule 4601, Architectural Coatings (Amended December 17, 2009)

District Rule 8011, General Requirements (Amended August 19, 2004)

District Rule 8021, Construction, Demolition, Excavation, and Other Earthmoving Activities (Amended August 19, 2004)

District Rule 8031, Bulk Materials (Amended August 19, 2004)

District Rule 8041, Carryout and Trackout (Amended August 19, 2004)

District Rule 8051, Open Areas (Amended August 19, 2004)

District Rule 8061, Paved and Unpaved Roads (Amended August 19, 2004)


40 CFR Part 82, Subpart B and F, Stratospheric Ozone

40 CFR Part 61, Subpart M, National Emission Standard for Asbestos

VII. REQUIREMENTS NOT ADDRESSED BY GENERAL PERMIT TEMPLATES

District Rule 1070, Inspections (Amended December 17, 1992)

District Rule 1081, Source Sampling (Amended December 16, 1993)

District Rule 2201, New and Modified Stationary Source Review Rule (Amended April 21, 2011)

District Rule 2520, Federally Mandate Operating Permits (Amended June 21, 2001)

District Rule 4201, Particulate Matter Concentration (Amended December 17, 1992)

District Rule 4305, Boilers, Steam Generators, and Process Heaters – Phase 2 (Amended August 21, 2003)

District Rule 4306, Boilers, Steam Generators, and Process Heaters – Phase 3 (Amended October 16, 2008)

District Rule 4320, Advanced Emission Reduction Option for Boilers, Steam Generators, and Process Heaters Greater than 5.0 MMBtu/hr (Adopted October 16, 2008)

District Rule 4701, Internal Combustion Engines – Phase 1 (Amended August 21, 2003)

40 CFR Part 60, Subpart Db, *Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units*

40 CFR Part 60, Subpart Dc, *Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units*

40 CFR Part 60, Subpart III, *Standards of Performance for Stationary Compression Ignition Internal Combustion Engines*


40 CFR Part 64, *Compliance Assurance Monitoring (CAM)*

Stanislaus County Rule 407, *Sulfur Compounds*

### VIII. REQUIREMENTS NOT FEDERALLY ENFORCEABLE

For each Title V source, the District issues a single permit that contains the Federally Enforceable requirements, as well as the District-only requirements. The District-only requirements are not a part of the Title V Operating Permits. The terms and conditions that are part of the facility’s Title V permit are designated as Federally Enforceable through Title V Permit.

This facility is subject to the following rules that are not currently federally enforceable:

**District Rule 4102, Nuisance**

   - Condition 41 on the proposed permit is based on this rule.

**District Rule 4801, Sulfur Compounds**

   - Condition 5 on the proposed permit is based on this rule.

   - Condition 4 on the proposed permit is based on this rule.

- Condition 3 on the proposed permit is based on this rule.

Title 17 CCR, Section 93115, Airborne Toxic Control Measure (ATCM) for Stationary Compression-Ignition (CI) Engines


- Conditions 3, 5, 7, 10, 11, and 14 on the requirements for this permit unit are based on this rule.


- Conditions 2, 4, 5, 6, 7, and 9 on the requirements for this permit unit are based on this rule.


- Conditions 2, 3, 5, 6, and 8 on the requirements for this permit unit are based on this rule.

IX. COMPLIANCE

A. Requirements Addressed by Model General Permit Templates

1. Facility Wide Requirements

The applicant is proposing to use a general permit template to address federally applicable facility-wide requirements. Section IV of template SJV-UM-0-3 includes a demonstration of compliance for all applicable requirements. Template conditions have been added to the facility wide requirements as condition numbers 1 through 40 to assure compliance with these requirements.

B. Requirements Not Addressed by Model General Permit Templates

1. District Rule 1070, Inspections

The purpose of this rule is to explain the District's authority in determining compliance with the requirements of these rules and regulations. District
Rule 1070 has been submitted to the EPA to replace Stanislaus County Rule 107 that is in the State Implementation Plan (SIP). District Rule 1070 is at least as stringent as Stanislaus County 107 as shown in the following comparison:

**Comparison of District Rule 1070 to Stanislaus County Rule 107**

<table>
<thead>
<tr>
<th>REQUIREMENTS</th>
<th>District Rule 1070</th>
<th>Stanislaus Rule 107</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inspections shall be made by the enforcement agency for the purpose of obtaining information necessary to determine whether air pollution sources are in compliance with applicable rules and regulations.</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>The District also has the authority to require record keeping, to make inspections and to conduct tests of air pollution sources.</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

   - Condition 11 on the requirements for this permit unit assures compliance with this rule.

b. N-1976-22-1: Dry Bean Cleaning and Processing Operation
   - Condition 11 on the requirements for this permit unit assures compliance with this rule.

2. **District Rule 1081, Source Sampling**

This rule ensures that any source operation which emits or may emit air contaminants provides adequate and safe facilities for use in sampling to determine compliance. The rule also specifies methods and procedures for source testing, sample collection, and compliance determination.

§7.0 Administrative Requirements

§7.1 The District must be notified 30 days prior to any compliance source testing and the owner shall submit a source test plan for District approval 15 days prior to source sampling.

§7.2 Source sampling to determine the compliance status of an emissions source shall be witnessed or authorized by District personnel.

§7.3 Source test reports must be submitted to the District within 60 days of completion of field testing. Source tests must be submitted for all District
authorized compliance source tests regardless of pass, fail or reschedule because of failure, status.

a. N-1976-3-7: 111 MMBtu/hr Babcock & Wilcox Model FF-16 Natural Gas-Fired Boiler #3 with a Todd Model Radian Low NOx burner and FGR
   • Conditions 15 and 20 on the requirements for this permit unit assure compliance with this rule.

b. N-1976-4-9: 196 MMBtu/hr Babcock & Wilcox Model FF-16 Natural Gas-Fired Boiler (#4) with a Todd model Radian Low NOx Burner and FGR
   • Conditions 16 and 21 on the requirements for this permit unit assure compliance with this rule.

c. N-1976-5-7: 63 MMBtu/hr Industrial Steam Model D-21-50 Boiler #1 with a Todd Rapid Mix Ultra Low NOx Burner and FGR
   • Conditions 15 and 20 on the requirements for this permit unit assure compliance with this rule.

d. N-1976-6-8: 184 MMBtu/hr Babcock & Wilcox Model FM117-97 Natural Gas-Fired Boiler #2 with a Todd Rapid Mix Ultra Low NOx Burner and FGR
   • Conditions 18 and 23 on the requirements for this permit unit assure compliance with this rule.

3. **District Rule 2201, New and Modified Stationary Source Review Rule**

The permit units are subject to the District Rule 2201 upon application for Authority to Construct (ATC). In accordance with the White Paper for Streamlined Development of Part 70 Permit Applications, dated July 10, 1995, conditions from the resulting Permit to Operate (PTO) were addressed to define how NSR permit terms should be incorporated into the Title V permit.

a. N-1976-3-7: 111 MMBtu/hr Babcock & Wilcox Model FF-16 Natural Gas-Fired Boiler #3 with a Todd Model Radian Low NOx burner and FGR
   • Condition 1 from the current PTO has been moved to the Facility-Wide permit as condition 41.
• Conditions 2, 3, and 4 from the current PTO have been included as conditions 1, 2, and 3 on the requirements for the proposed permit.
• Condition 5 from the current PTO has been included as condition 22 on the requirements for the proposed permit.
• Conditions 6 through 23 from the current PTO have been included as conditions 4 through 21 on the requirements for the proposed permit.

b. N-1976-4-9: 196 MMBtu/hr Babcock & Wilcox Model FF-16 Natural Gas-Fired Boiler (#4) with a Todd Model Radian Low NOx Burner and FGR

• Condition 1 from the current PTO has been moved to the Facility-Wide permit as condition 41.
• Conditions 2, 3, 4, and 5 from the current PTO have been included as conditions 1, 2, 3, and 4 on the requirements for the proposed permit.
• Condition 6 from the current PTO has been moved to the Facility-Wide permit as condition 22.
• Conditions 7 through 24 from the current PTO have been included as conditions 5 through 22 on the requirements for the proposed permit.

c. N-1976-5-7: 63 MMBtu/hr Industrial Steam Model D-21-50 Boiler #1 with a Todd Rapid Mix Ultra Low NOx Burner and FGR

• Condition 1 from the current PTO has been moved to the Facility-Wide permit as condition 41.
• Conditions 2, 3, and 4 from the current PTO have been included as conditions 1, 2, and 3 on the requirements for the proposed permit.
• Condition 5 from the current PTO has been moved to the Facility-Wide permit as condition 22.
• Conditions 6 through 23 from the current PTO have been included as conditions 4 through 21 on the requirements for the proposed permit.

d. N-1976-6-8: 184 MMBtu/hr Babcock & Wilcox Model FM117-97 Natural Gas-Fired Boiler #2 with a Todd Rapid Mix Ultra Low NOx Burner and FGR

• Condition 1 from the current PTO has been moved to the Facility-Wide permit as condition 41.
• Conditions 2, 3, and 4 from the current PTO have been included as conditions 1, 2, and 3 on the requirements for the proposed permit.
• Condition 5 from the current PTO has been moved to the Facility-Wide permit as condition 22.
• Conditions 6 through 9 from the current PTO have been included as conditions 4 through 7 on the requirements for the proposed permit.
• Conditions 10 and 11 from the current PTO have been revised to comply with 40 CFR 64 (Compliance Assurance Monitoring) and included as conditions 8 and 9 on the requirements for the proposed permit.
• Conditions 12 through 26 from the current PTO have been included as conditions 10 through 24 on the requirements for the proposed permit.


• Condition 1 from the current PTO has been included as condition 1 on the requirements for the proposed permit.
• Condition 2 from the current PTO has been moved to the Facility-Wide permit as condition 41.
• Condition 3 from the current PTO has been included as condition 22 on the requirements for the proposed permit.
• Conditions 4 through 6 from the current PTO have been included as conditions 2 through 4 on the requirements for the proposed permit.
• Condition 7 on the current PTO has been included as condition 5 on the requirements for the proposed permit. The condition was revised to specify the fuel's sulfur content.
• Conditions 8 through 11 on the current PTO have been included as condition 6 through 9 on the requirements for the proposed permit.
• Conditions 12 and 13 from the current PTO have not been included as requirements on the proposed permit. The conditions are extraneous since the emissions unit is not located on the grounds of a K-12 school or located within 500 feet of the property boundary of a K-12 school.
• Conditions 14 and 16 from the current PTO have been included as conditions 10, and 14 on the requirements for the proposed permit.
• Condition 15 from the current PTO has been included as condition 11 on the requirements for the proposed permit. The condition was updated to current rule requirement.


• Condition 1 from the current PTO has been included as condition 1 on the requirements for the proposed permit.
• Condition 2 from the current PTO has been moved to the Facility-Wide permit as condition 22.
• Condition 3 from the current PTO has been moved to the Facility-Wide permit as condition 41.
• Conditions 4 and 5 from the current PTO have been included as conditions 2 and 3 on the requirements for this permit unit.
• Condition 6 on the current PTO has been included as condition 4 on the requirements for the proposed permit. The condition was revised to specify the fuel's sulfur content.
• Condition 7 on the current PTO has been included as condition 5 on the requirements for the proposed permit.
• Conditions 8 and 9 from the current PTO have been deleted. Both conditions are extraneous since the facility is neither located on the grounds of a K-12 school or within 500 feet of the property boundary of a K-12 school.
• Condition 10 from the current PTO has been included as condition 6 on the requirements for the proposed permit.
• Condition 11 from the current PTO has been included as condition 7 on the requirements for the proposed permit. The condition was updated to current rule requirement.
• Condition 12 from the current PTO has been included as condition 9 on the requirements for the proposed permit.


• Condition 1 from the current PTO has been included as condition 1 on the requirements for the proposed permit.
• Condition 2 from the current PTO has been moved to the Facility-Wide permit as condition 22.
• Condition 3 from the current PTO has been moved to the Facility-Wide permit as condition 41.
• Condition 4 from the current PTO has been included as condition 2 on the requirements for the proposed permit.
• Condition 5 on the current PTO has been included as condition 3 on the requirements for the proposed permit. The condition was revised to specify the fuel's sulfur content.
• Condition 6 on the current PTO has been included as condition 4 on the requirements for the proposed permit.
• Conditions 7 and 8 from the current PTO have been deleted. Both conditions are extraneous since the facility is neither located on the grounds of a K-12 school or within 500 feet of the property boundary of a K-12 school.
• Condition 9 from the current PTO has been included as condition 5 on the requirements for the proposed permit.
• Condition 10 from the current PTO has been included as condition 6 on the requirements for the proposed permit. The condition was updated to current rule requirement.
• Condition 11 from the current PTO has been included as condition 8 on the requirements for the proposed permit.

h. N-1976-21-2: Dry Bean Receiving, Precleaning, and Storage Operation

• Condition 1 from the current PTO has been moved to the Facility-Wide permit as condition 41.
• Condition 2 from the current PTO has been moved to the Facility-Wide permit as condition 22.
• Conditions 3 through 13 from the current PTO have been included as conditions 1 through 11 on the requirements for the proposed permit.

i. N-1976-22-1: Dry Bean Cleaning and Processing Operation

• Condition 1 from the current PTO has been moved to the Facility-Wide permit as condition 41.
• Condition 2 from the current PTO has been moved to the Facility-Wide permit as condition 22.
• Conditions 3 through 13 from the current PTO have been included as conditions 1 through 11 on the requirements for the proposed permit.

4. District Rule 2520, Federally Mandated Operating Permits

§ 9.3.2 Where applicable requirements do not require periodic testing or instrumental or non-instrumental monitoring, periodic monitoring to yield reliable data for the relevant time period that are representative of the source's compliance with the permit, as reported pursuant to the requirements of section 9.5 of this rule. Such monitoring requirements shall assure use of terms, test methods, units, averaging periods, and other statistical conventions consistent with applicable requirement. Recordkeeping requirements may be sufficient to meet the requirements of this section.


• Condition 12 on the requirements for this permit unit assures compliance with this rule.

b. N-1976-22-1: Dry Bean Cleaning and Processing Operation
• Condition 12 on the requirements for this permit unit assures compliance with this rule.

§ 9.4.2 Retention of records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings.


• Condition 13 on the requirements for this permit unit assures compliance with this rule.

b. N-1976-22-1: Dry Bean Cleaning and Processing Operation

• Condition 13 on the requirements for this permit unit assures compliance with this rule.

**Greenhouse Gas Requirements**

There are no federally applicable Greenhouse Gas (GHG) requirements for this source. It should be noted that the Mandatory Greenhouse Gas Reporting rule (40CFR Part 98) is not included in the definition of an applicable requirement within Title V (per 40CFR 71.2). Therefore, there will be no further discussion of GHG in this evaluation.

5. **District Rule 4201, Particulate Matter Concentration**

The purpose of this rule is to protect the ambient air quality by establishing a particulate matter emission standard. Section 3.1 requires emissions to be at or below 0.1 grains of particulate matter per dry standard cubic foot of exhaust gas.

**Natural Gas-Fired Boilers**

The following calculations show that the boilers in this facility firing on natural gas emit less than 0.1 grains of particulate matter per dry standard cubic foot of exhaust gas.

**Natural Gas-Fired:**

$$\left(\frac{7.6 \text{ lb PM}}{10^6 \text{ ft}^3}\right) \left(\frac{1 \text{ MMBtu}}{8710 \text{ dscf}}\right) \left(\frac{1 \text{ scf}}{950 \text{ Btu}}\right) \left(\frac{7000 \text{ gr}}{1 \text{ lb}}\right) = 0.006 \text{ grains/dscf}$$
where:

\[ 7.6 \frac{\text{lb} \cdot \text{PM}}{10^6 \cdot \text{ft}^3} = \text{uncontrolled emission factor for natural gas fired boilers (AP42, Table 1.4-12)} \]

\[ \frac{950 \text{ Btu}}{\text{scf}} = \text{the minimum expected higher heating value of natural gas (AP42, 1.4.1)} \]

\[ \frac{8710 \text{ dscf}}{\text{MMBtu}} = F \text{ factor, } F_d, \text{ for natural gas (40CFR§60, App. A, Meth. 19, Table 19-1)} \]

\[ \frac{7000 \text{ gr}}{\text{lb}} = \text{conversion factor (AP42, Appendix A)} \]

a. N-1976-3-7: 111 MMBtu/hr Babcock & Wilcox Model FF-16 Natural Gas-Fired Boiler #3 with a Todd Model Radian Low NOx burner and FGR

- Condition 3 on the requirements for this permit unit assures compliance with this rule.

b. N-1976-4-9: 196 MMBtu/hr Babcock & Wilcox Model FF-16 Natural Gas-Fired Boiler (#4) with a Todd model Radian Low NOx Burner and FGR

- Condition 4 on the requirements for this permit unit assures compliance with this rule.

c. N-1976-5-7: 63 MMBtu/hr Industrial Steam Model D-21-50 Boiler #1 with a Todd Rapid Mix Ultra Low NOx Burner and FGR

- Condition 3 on the requirements for this permit unit assures compliance with this rule.

d. N-1976-6-8: 184 MMBtu/hr Babcock & Wilcox Model FM117-97 Natural Gas-Fired Boiler with a Todd Rapid Mix Ultra Low NOx Burner and FGR

- Condition 3 on the requirements for this permit unit assures compliance with this rule.

**Diesel-Fired IC Engines:**

For diesel-fired emergency standby IC engines, the results from source tests of the engines generally indicate emission rates from these units are
less than the allowable limit of 0.1 grain/dscf. Of the tests available at the time of this writing, most were in the range of 0.042 to 0.061 grain/dscf, with a low of 0.020 grain/dscf, and a high of 0.092 grain/dscf. However, although the above testing is sufficient to assume that IC engines comply with the 0.1 grain/dscf limit, the data is insufficient to prove compliance in all cases. There is an exemption from source testing for “Nonutility distillate-oil-fueled emergency piston-type IC engines.” Per the CAPCOA/CARB/EPA IX Title V Periodic Monitoring Recommendations memo, dated July 2001, the District’s grain loading limit of 0.1 grain/dscf does not need to be source tested as long as the following conditions are required in the Permit to Operate:

1) Engine usage is limited to maintenance, testing, and time of actual unforeseen emergencies.
2) Usage for maintenance and testing is not to exceed 200 hours per year (the emergency standby diesel-fired engines in this facility are limited to less than or equal to 100 hours per year for maintenance and testing).
3) Maintain records of all engine usage and maintenance.

   • Conditions 1, 7, 10, and 12 on the requirements for this permit unit assure compliance with this rule.

   • Conditions 1, 5, 6, and 8 on the requirements for this permit unit assure compliance with this rule.

   • Conditions 1, 4, 5, and 7 on the requirements for this permit unit assure compliance with this rule.

6. District Rule 4305, Boilers, Steam Generators and Process Heaters – Phase 2

The purpose of this rule is to limit emissions of oxides of nitrogen (NOx) and carbon monoxide (CO) from boilers, steam generators, and process heaters. This rule applies to any gaseous fuel or liquid fuel fired boiler, steam generator, or process heater with a rated heat input greater than 5 million Btu per hour.
Since emissions limits of District Rule 4306 and all other requirements are equivalent or more stringent than District Rule 4305 requirements, compliance with District Rule 4306 requirements satisfy the requirements of District Rule 4305.

7. **District Rule 4306, Boilers, Steam Generators and Process Heaters – Phase 3**

The purpose of this rule is to limit emissions of oxides of nitrogen (NO\textsubscript{x}) and carbon monoxide (CO) from boilers, steam generators, and process heaters. This rule applies to any gaseous fuel or liquid fuel fired boiler, steam generator, or process heater with a rated heat input greater than 5 million Btu per hour.

§5.0 Requirements

§5.1 NO\textsubscript{x} and CO Emission Limits

§5.1.1 Except for units subject to Sections 5.2, NO\textsubscript{x} and carbon monoxide (CO) emissions shall not exceed the limits specified in Table 1.

<table>
<thead>
<tr>
<th>Category</th>
<th>Operated on Gaseous Fuel</th>
<th>Operated on Liquid Fuel</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NO\textsubscript{x} Limit</td>
<td>CO Limit (ppmv)</td>
</tr>
<tr>
<td></td>
<td>Standard option</td>
<td>Enhanced Option</td>
</tr>
<tr>
<td>B. Units with a rated heat input greater than 20.0 MMBtu/hr</td>
<td>9 ppmv or 0.011 lb/MMBtu</td>
<td>6 ppmv or 0.007 lb/MMBtu</td>
</tr>
</tbody>
</table>

§5.4 Monitoring Provisions

§5.4.2 The operator of any unit subject to the applicable emission limits in Sections 5.1 shall install and maintain an operational APCO approved Continuous Emissions Monitoring System (CEMS) for NO\textsubscript{x}, CO, and oxygen, or implement an APCO-approved Alternate Monitoring System. An APCO approved CEMS shall comply with the requirements of 40 Code of Federal Regulations (CFR) Part 51, 40 CFR Parts 60.7 and 60.13 (except subsection h), 40 CFR Part 60 Appendix B (Performance Specifications) and 40 CFR Part 60 Appendix F (Quality Assurance Procedures, and applicable provisions of Rule 1080 (Stack Monitoring). An APCO approved Alternate Monitoring System shall monitor one or more of the following:

§5.4.2.1 periodic NO\textsubscript{x} and CO exhaust emission concentrations,
§5.4.2.2 periodic exhaust oxygen concentration,
§5.4.2.3 flow rate of reducing agent added to exhaust,
§5.4.2.4 catalyst inlet and exhaust temperature,
§5.4.2.5 catalyst inlet and exhaust oxygen concentration,
§5.4.2.6 periodic flue gas recirculation rate,
§5.4.2.7 other operational characteristics.

§5.4.3 For units subject to the requirements of Section 5.2.1 or 5.2.2, the operator shall monitor, at least on a monthly basis, the operational characteristics recommended by the manufacturer and approved by the APCO.

§5.5 Compliance Determination

§5.5.1 The operator of any unit shall have the option of complying with either the applicable heat input (lb/MMBtu) emission limits or the concentration (ppmv) emission limits specified in Section 5.1. The emission limits selected to demonstrate compliance shall be specified in the source test proposal pursuant to Rule 1081 (Source Sampling).

§5.5.2 All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. Unless otherwise specified in the Permit to Operate no determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0.

§5.5.4 For emissions monitoring pursuant to Sections 5.4.2, 5.4.2.1, and 6.3.1 using a portable NOx analyzer as part of an APCO approved Alternate Emissions Monitoring System, emission readings shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15-consecutive-minute sample reading or by taking at least five (5) readings evenly spaced out over the 15-consecutive-minute period.

§5.5.5 For emissions source testing performed pursuant to Section 6.3.1 for the purpose of determining compliance with an applicable standard or numerical limitation of this rule, the arithmetic average of three (3) 30-consecutive-minute test runs shall apply. If two (2) of three (3) runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit.

§6.2 Test Methods
The following test methods shall be used unless otherwise approved by the APCO and EPA.
§6.2.1 Fuel hhv shall be certified by third party fuel supplier or determined by:
§6.2.1.2 ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89 for gaseous fuels.

§6.2.2 Oxides of nitrogen (ppmv) - EPA Method 7E, or ARB Method 100.
§6.2.3 Carbon monoxide (ppmv) - EPA Method 10, or ARB Method 100.
§6.2.4 Stack gas oxygen - EPA Method 3 or 3A, or ARB Method 100.
§6.2.5 NOx Emission Rate (Heat Input Basis) - EPA Method 19.
§6.2.6 Stack gas velocities - EPA Method 2.
§6.2.7 Stack gas moisture content - EPA Method 4.

§6.3 Compliance Testing

§6.3.1 Each unit subject to the requirements in Sections 5.1 or 5.2.3 shall be source tested to determine compliance with the applicable emission limits at least once every 12 months, (no more than 30 days before or after the required annual source test date). Units that demonstrate compliance on two consecutive 12-month source tests may defer the following 12-month source test for up to 36 months (no more than 30 days before or after the required 36-month source test date).

a. N-1976-3-7: 111 MMBtu/hr Babcock & Wilcox Model FF-16 Natural Gas-Fired Boiler #3 with a Todd Model Radian Low NOx burner and FGR
   • Conditions 4 through 14, 16, 17, 18, 19, and 21 on the requirements for this permit unit assure compliance with this rule.

b. N-1976-4-9: 196 MMBtu/hr Babcock & Wilcox Model FF-16 Natural Gas-Fired Boiler (#4) with a Todd model Radian Low NOx Burner and FGR
   • Conditions 5 through 15, 17, 18, 19, 20, and 22 on the requirements for this permit unit assure compliance with this rule.

c. N-1976-5-7: 63 MMBtu/hr Industrial Steam Model D-21-50 Boiler #1 with a Todd Rapid Mix Ultra Low NOx Burner and FGR
   • Conditions 4 through 14, 16, 17, 18, 19, and 21 on the requirements for this permit unit assure compliance with this rule.
d. N-1976-6-8: 184 MMBtu/hr Babcock & Wilcox Model FM117-97 Natural Gas-Fired Boiler with a Todd Rapid Mix Ultra Low NOx Burner and FGR

- Conditions 7 through 17, 19, 20, 21, 22, and 24 on the requirements for this permit unit assure compliance with this rule.

8. **District Rule 4320 – Advanced Emission Reduction Options for Boilers, Steam Generators, and Process Heaters Greater than 5.0 MMBtu/hr**

The purpose of this rule is to limit the emissions of oxides of nitrogen (NOx), carbon monoxide (CO), oxides of sulfur (SO2), and particulate matter 10 microns or less (PM10) from boilers, steam generators, and process heaters.

§5.1 states that operators of a unit(s) shall comply with all applicable requirements of the rule and one of the following, on a unit-by-unit basis:

§5.1.1 requires the unit comply with the emission limits specified in §5.2 and 5.4; or

§5.1.2, Pay an annual emissions fee to the District as specified in §5.3 and comply with the control requirements specified in §5.4.

§5.1.3, Comply with the applicable Low-use Unit requirements of §5.5.

Per §6.4.1, the operator submitted to the District an Emissions Control Plan containing the compliance schedule required by §7.0 of the rule. In the compliance plan, the facility choses to comply with §5.1.1 of this rule which is to comply with the emission limits specified in §5.2 and comply with the control requirements specified in §5.4.

§5.4 states the particulate matter control requirements.

§5.4.1 To limit particulate matter emissions, an operator shall comply with one of the following requirements:

§5.4.1.1 On and after the applicable NOx Compliance Deadline specified in §5.2 Table 1, operators shall fire units exclusively on PUC-quality natural gas, commercial propane, butane, or liquefied petroleum gas, or a combination of such gases;

§5.4.1.2 On and after the applicable NOx Compliance Deadline specified in §5.2 Table 1, operators shall limit fuel sulfur content to no more than five (5) grains of total sulfur per one hundred (100) standard cubic feet; or
§5.4.1.3 On and after the applicable NOx Compliance Deadline specified in §5.2 Table 1, operators shall install and properly operate an emission control system that reduces SO2 emissions by at least 95% by weight; or limit exhaust SO2 to less than or equal to 9 ppmv corrected to 3.0% O2.

§5.4.1.4 Notwithstanding the compliance deadlines indicated in §5.4.1.1 through 5.4.1.3, refinery units, which require modification of refinery equipment to reduce sulfur emissions, shall be in compliance with the applicable requirement in §5.4.1 no later than July 1, 2013.

§5.4.2 Liquid fuel shall be used only during PUC quality natural gas curtailment periods, provided the requirements of §4.2 and §6.1.5 are met and the fuel contains no more than 15 ppm sulfur, as determined by the test method specified in §6.2.

The facility choses to comply with §5.1.1 of this rule by complying with the emissions limit and compliance schedule of §5.2 and the requirements of §5.4.1.1 by firing exclusively on PUC-regulated natural gas.

a. N-1976-3-7: 111 MMBtu/hr Babcock & Wilcox Model FF-16 Natural Gas-Fired Boiler #3 with a Todd Model Radian Low NOx burner and FGR
   • Condition 22 on the requirements for this permit unit assures compliance with this rule.

b. N-1976-4-9: 196 MMBtu/hr Babcock & Wilcox Model FF-16 Natural Gas-Fired Boiler (#4) with a Todd model Radian Low NOx Burner and FGR
   • Condition 23 on the requirements for this permit unit assures compliance with this rule.

c. N-1976-5-7: 63 MMBtu/hr Industrial Steam Model D-21-50 Boiler #1 with a Todd Rapid Mix Ultra Low NOx Burner and FGR
   • Condition 22 on the requirements for this permit unit assures compliance with this rule.

d. N-1976-6-8: 184 MMBtu/hr Babcock & Wilcox Model FM117-97 Natural Gas-Fired Boiler with a Todd Rapid Mix Ultra Low NOx Burner and FGR
   • Condition 25 on the requirements for this permit unit assures compliance with this rule.
9. District Rule 4701, Internal Combustion Engines–Phase 1

The purpose of this rule is to limit the emissions of nitrogen oxides (NOx), carbon monoxide (CO), and volatile organic compounds (VOC) from internal combustion engines. Except as provided in Section 4.0, the provisions of this rule apply to any internal combustion engine, rated greater than 50 bhp that requires a Permit to Operate (PTO).

There are 10 natural gas-fired IC engine involved with this project. Pursuant to Section 2.0 of District Rule 4701, these engines are subject to District Rule 4701–Internal Combustion Engines–Phase 1. In addition, these engines are also subject to District Rule 4702–Internal Combustion Engines–Phase 2.

Since the emissions limits of District Rule 4702 and all other requirements are equivalent or more stringent than District Rule 4701 requirements, compliance with 4702 rule requirements will satisfy requirements of District Rule 4701 and no further discussion is required.

10. District Rule 4702, Internal Combustion Engines–Phase 2

The purpose of this rule is to limit the emissions of nitrogen oxides (NOx), carbon monoxide (CO), and volatile organic compounds (VOC) from internal combustion engines. This rule applies to any internal combustion (IC) engine with a rated brake horsepower greater than 50 horsepower.

§4.2 Except for the requirements of Sections 5.9 and 6.2.3, the requirements of this rule shall not apply to an emergency standby engine or a low-use engine, provided that the engine is operated with an operating nonresettable elapsed time meter.

§4.2.1 In lieu of operating a nonresettable elapsed time meter, the operator may use an alternative device, method, or technique, in determining operating time, provided that the alternative is approved by the APCO and EPA and is allowed by the Permit-to-Operate or Permit-Exempt Equipment Registration. The operator must demonstrate that the alternative device, method, or technique is equivalent to using a nonresettable elapsed time meter.

§4.2.2 The operator shall properly maintain and operate the nonresettable elapsed time meter or alternative device in accordance with the manufacturer’s instructions.

§5.9 Monitoring Requirements: All Other Engines
§5.9.1 The operator of any of the following engines shall comply with the requirements specified in Section 5.9.2 through Section 5.9.5 below:

§5.9.2 Properly operate and maintain each engine as recommended by the engine manufacturer or emission control system supplier.

§5.9.3 Monitor the operational characteristics of each engine as recommended by the engine manufacturer or emission control system supplier.

§5.9.4 Install and operate a nonresettable elapsed time meter.

§5.9.4.1 In lieu of installing a nonresettable elapsed time meter, the operator may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO and EPA and is allowed by a Permit-to-Operate or Permit-Exempt Equipment Registration condition.

§5.9.4.2 The operator shall properly maintain and operate the nonresettable elapsed time meter or alternative device in accordance with the manufacturer’s instructions.

§6.2.3 An operator claiming an exemption under Section 4.2 or Section 4.3 shall maintain annual operating records. This information shall be retained for at least five years, shall be readily available, and provided to the APCO upon request. The records shall include, but are not limited to, the following:

§6.2.3.1 Total hours of operation,
§6.2.3.2 The type of fuel used,
§6.2.3.3 The purpose for operating the engine,
§6.2.3.4 For emergency standby engines, all hours of non-emergency and emergency operation shall be reported, and
§6.2.3.5 Other support documentation necessary to demonstrate claim to the exemption.

   • Conditions 3, 4, 6, 7, 10, 11, 12, 13, and 14 on the requirements for this permit unit assure compliance with this rule.

• Conditions 2, 5, 6, 7, 8, and 9 on the requirements for this permit unit assure compliance with this rule.


• Conditions 2, 4, 5, 6, 7, and 8 on the requirements for this permit unit assure compliance with this rule.

11. 40 CFR 60, Subpart Db, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units

This subpart applies each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the steam generating unit of greater than 100 MMBtu/hr.

a. N-1976-3-7: 111 MMBtu/hr Babcock & Wilcox Model FF-16 Natural Gas-Fired Boiler #3 with a Todd Model Radian Low NOx burner and FGR

This unit was constructed in prior to June 19, 1984 and all subsequent modifications did not result in any increase in air pollutants emitted into the atmosphere. Therefore, this unit is not subject to this subpart.

b. N-1976-4-9: 196 MMBtu/hr Babcock & Wilcox Model FF-16 Natural Gas-Fired Boiler (#4) with a Todd model Radian Low NOx Burner and FGR

This unit was constructed in prior to June 19, 1984 and all subsequent modifications did not result in any increase in air pollutants emitted into the atmosphere. Therefore, this unit is not subject to this subpart.

c. N-1976-5-7: 63 MMBtu/hr Industrial Steam Model 0-21-50 Boiler #1 with a Todd Rapid Mix Ultra Low NOx Burner and FGR

This unit’s heat input is less than 100 MMBtu/hr and not subject to this subpart.

d. N-1976-6-8: 184 MMBtu/hr Babcock & Wilcox Model FM117-97 Natural Gas-Fired Boiler with a Todd Rapid Mix Ultra Low NOx Burner and FGR

This unit was constructed after June 19, 1984 and has a heat input capacity greater than 100 MMBtu/hr. Therefore this unit is subject to this rule.
• Conditions 4, 5, and 6 on the requirements for this permit unit assure compliance with this rule.

12. **40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units**

This subpart applies to each steam generating unit for which construction, modification, or reconstruction commenced after June 9, 1989 and has a maximum design heat input capacity of 100 MMBtu/hr or less but greater than or equal to 10 MMBtu/hr.

a. **N-1976-5-7: 63 MMBtu/hr Industrial Steam Model D-21-50 Boiler #1 with a Todd Rapid Mix Ultra Low NOx Burner and FGR**

   This boiler has a heat input rating of 63 MMBtu/hr, but it was installed before June 9, 1989 and has not undergone any modifications since that have resulted in increases of emissions that are regulated by this Subpart. Therefore, this unit is not subject to the requirements of this Subpart at this time.

13. **40 CFR 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

This provisions of this subpart are applicable to owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) that commence construction after July 11, 2005 where the stationary CI ICE are manufactured after April 1, 2006 and are not fire pump engines.

The CI ICEs in this facility were all manufactured prior to April 1, 2006. Therefore the CI internal combustion engines are not subject to this subpart.


Subpart ZZZZ establishes national emission limitations and operating limitations for hazardous air pollutants (HAP) emitted from stationary reciprocating internal combustion engines (RICE) located at major and area sources of HAP emissions. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and operating limitations.

§63.6585 states an owner or operator is subject to this subpart if it owns or operates a stationary RICE at a major or area source of HAP emissions.
§63.6585(b) A major source of HAP emissions is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons or more per year or any combination of HAP at a rate of 25 tons or more per year.

§63.6585(c) An area source of HAP emissions is a source that is not a major source.

- This facility is an area source of HAP emissions since it is not a major source of HAP per §63.6585(b).

§63.6590(a)(1)(iii) For stationary RICE located at an area source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.

- Permit units N-1976-14-2, -17-2, and -18-2 are existing stationary RICE since all commenced construction before June 12, 2006.

§63.6595(a)(1) An existing stationary CI RICE located at an area source of HAP emissions must comply with the applicable emission limitations and operating limitations no later than May 3, 2013.

- On permit units N-1976-14-2, -17-2, and -18-2, the compliance date of May 3, 2013 is included in the conditions that comply with this subpart.

§63.6603(a) An existing stationary RICE located at an area source of HAP emissions must comply with the applicable requirements in Table 2d to this subpart and the operating limitations in Table 1b and Table 2b to this subpart that apply to you.

Table 1b to Subpart ZZZZ of Part 63—Operating Limitations for Existing, New, and Reconstructed Spark Ignition 4SRB Stationary RICE >500 HP Located at a Major Source of HAP Emissions and Existing Spark Ignition 4SRB Stationary RICE >500 HP Located at an Area Source of HAP Emissions

- Permit units N-1976-14-2, -17-2, and -18-2 do not meet the criteria in Table 1b heading and therefore, are not subject to the operating limitations in Table 1b.

Table 2b to Subpart ZZZZ of Part 63—Operating Limitations for New and Reconstructed 2SLB and Compression Ignition Stationary RICE >500 HP Located at a Major Source of HAP Emissions, New and Reconstructed 4SLB Stationary RICE ≥250 HP Located at a Major Source of HAP
Emissions, Existing Compression Ignition Stationary RICE >500 HP, and
Existing 4SLB Stationary RICE >500 HP Located at an Area Source of
HAP Emissions

- Permit units N-1976-14-2, -17-2, and -18-2 do not meet the criteria
  in Table 2b heading and therefore, are not subject to the operating
  limitations in Table 2b.

Table 2d to Subpart ZZZZ of Part 63—Requirements for Existing Stationary
RICE Located at Area Sources of HAP Emissions
As stated in §§63.6603 and 63.6640, you must comply with the following requirements for existing
stationary RICE located at area sources of HAP emissions:

<table>
<thead>
<tr>
<th>For each</th>
<th>You must meet the following requirement, except during periods of startup</th>
<th>During periods of startup you must</th>
</tr>
</thead>
</table>
| 4. Emergency stationary CI RICE| a. Change oil and filter every 500 hours of operation or annually, whichever comes first;¹  
b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and  
c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. | Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. |

§63.6625(f) If you own or operate an existing emergency stationary RICE
with a site rating of less than or equal to 500 brake HP located at a major
source of HAP emissions or an existing emergency stationary RICE
located at an area source of HAP emissions, you must install a non-
resettable hour meter if one is not already installed.

§63.6640(a) You must demonstrate continuous compliance with each
emission limitation and operating limitation in Tables 1a and 1b, Tables 2a
and 2b, Table 2c, and Table 2d to this subpart that apply to you according
to methods specified in Table 6 to this subpart.

Table 6 to Subpart ZZZZ of Part 63—Continuous Compliance With
Emission Limitations, Operating Limitations, Work Practices, and
Management Practices
As stated in §63.6640, you must continuously comply with the emissions and operating limitations and work or management practices as required by the following:

<table>
<thead>
<tr>
<th>For each</th>
<th>Complying with the requirement to</th>
<th>You must demonstrate continuous compliance by</th>
</tr>
</thead>
<tbody>
<tr>
<td>9. Existing emergency and black start stationary RICE located at an area source of HAP</td>
<td>a. Work or Management practices</td>
<td>i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.</td>
</tr>
</tbody>
</table>

§63.6640(f)(ii) You may operate your emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year.

§63.6655(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE.

§63.6655(f) If you own or operate any of the stationary RICE in paragraphs (f)(1) or (2) of this section, you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.


- Conditions 3, 7, and 14 through 21 on the requirements for this permit unit assure compliance with this rule.

- Conditions 2, 5, and 9 through 16 on the requirements for this permit unit assure compliance with this rule.


- Conditions 2, 4, and 8 through 15 on the requirements for this permit unit assure compliance with this rule.

15. 40 CFR Part 64, CAM

40 CFR Part 64 requires Compliance Assurance Monitoring (CAM) for units that meet the following three criteria:

1) the unit must have an emission limit for the pollutant;
2) the unit must have add-on controls for the pollutant; these are devices such as flue gas recirculation (FGR), baghouses, and catalytic oxidizers; and
3) the unit must have a pre-control potential to emit of greater than the major source thresholds.

a. N-1976-3-7: 111 MMBtu/hr Babcock & Wilcox Model FF-16 Natural Gas-Fired Boiler #3 with a Todd Model Radian Low NOx burner and FGR

The boiler is equipped with a low NOx burner (LNB) with flue gas recirculation (FGR) and emissions limits for NOx, SOx, PM10, CO, and VOC. The unit is not subject to CAM for SOx, PM10, CO, and VOC since it does not have add-on controls for these criteria pollutants. It may be subject to CAM for NOx since it has an FGR system that is an add-on control for NOx. The following calculations will determine if the pre-control potential to emit will be greater than the major source threshold for NOx (20,000 lb/yr).

The boiler is currently operating in compliance with Rule 4306 and therefore is required to meet the NOx emissions limit of 0.011 lb/MMBtu (9 ppmv @3%O2). To assess whether CAM is triggered the emissions factor corresponding to pre add-on (FGR) is calculated.
AP-42 Table 1.4-1 (7/98) lists the following emissions factors for small boilers > 100 MMBtu/hr

<table>
<thead>
<tr>
<th></th>
<th>Emissions Factor (lb/10^6 scf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uncontrolled</td>
<td>190</td>
</tr>
<tr>
<td>Controlled – low NOx burners</td>
<td>140</td>
</tr>
<tr>
<td>Controlled – Low NOx burners/FGR</td>
<td>100</td>
</tr>
</tbody>
</table>

The control efficiency of FGR and corresponding emissions factor without FGR are

\[ 100 \times \frac{140 - 100}{140} = 29\% \]

\[ 0.011/(1 - 0.29) = 0.0.016\text{ lb/MMbtu} \]

and the pre add-on control emissions are

\[ 0.016\text{ lb/MMbtu} \times 111\text{ MMBtu/hr} \times 8760\text{ hr/yr} \]

\[ = 15,557\text{ lb-NO}_x/\text{yr} < 20,000\text{ lb-NO}_x/\text{yr} \]

Therefore, the boiler is not subject to CAM.

b. N-1976-4-9: 196 MMBtu/hr Babcock & Wilcox Model FF-16 Natural Gas-Fired Boiler (#4) with a Todd model Radian Low NOX Burner and FGR

The boiler is equipped with a low NOX burner (LNB) with flue gas recirculation (FGR) and emissions limits for NOX, SOX, PM10, CO, and VOC. The unit is not subject to CAM for SOX, PM10, CO, and VOC since it does not have add-on controls for these criteria pollutants. It may be subject to CAM for NOX since it has an FGR system that is an add-on control for NOX. The following calculations will determine if the pre-control potential to emit will be greater than the major source threshold for NOX (20,000 lb/yr).

The boiler is currently operating in compliance with Rule 4306 and therefore is required to meet the NOx emissions limit of 0.011 lb/MMBtu (9 ppmv @3%O2). To assess whether CAM is triggered the emissions factor corresponding to pre add-on (FGR) is calculated.
AP-42 Table 1.4-1 (7/98) lists the following emissions factors for small boilers > 100 MMBtu/hr

<table>
<thead>
<tr>
<th></th>
<th>Emissions Factor (lb/10^6 scf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uncontrolled</td>
<td>190</td>
</tr>
<tr>
<td>Controlled – low NOx burners</td>
<td>140</td>
</tr>
<tr>
<td>Controlled – Low NOx burners/FGR</td>
<td>100</td>
</tr>
</tbody>
</table>

The control efficiency of FGR and corresponding emissions factor without FGR are

\[
100 \times \frac{(140 - 100)}{140} = 29\%
\]

\[
0.011/(1 - 0.29) = 0.0.016 \text{ lb/MMbtu}
\]

and the pre add-on control emissions are

\[
0.016 \text{ lb/MMbtu} \times 943,272 \text{ MMBtu/yr}
\]

\[
= 15,092 \text{ lb-NO}_x/\text{yr} < 20,000 \text{ lb-NO}_x/\text{yr}
\]

Therefore, the boiler is not subject to CAM.

c. N-1976-5-7: 63 MMBtu/hr Industrial Steam Model D-21-50 Boiler #1 with a Todd Rapid Mix Ultra Low NOx Burner and FGR

The boiler is equipped with a low NOx burner (LNB) with flue gas recirculation (FGR) and emissions limits for NOx, SOx, PM10, CO, and VOC. The unit is not subject to CAM for SOx, PM10, CO, and VOC since it does not have add-on controls for these criteria pollutants. It may be subject to CAM for NOx since it has an FGR system that is an add-on control for NOx. The following calculations will determine if the pre-control potential to emit will be greater than the major source threshold for NOx (20,000 lb/yr).

The boiler is currently operating in compliance with Rule 4306 and therefore is required to meet the NOx emissions limit of 0.011 lb/MMBtu (9 ppmv @3%O2). To assess whether CAM is triggered the emissions factor corresponding to pre add-on (FGR) is calculated.
AP-42 Table 1.4-1 (7/98) lists the following emissions factors for small boilers < 100 MMBtu/hr

<table>
<thead>
<tr>
<th></th>
<th>Emissions Factor (lb/10^6 scf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uncontrolled</td>
<td>100</td>
</tr>
<tr>
<td>Controlled – low NOx burners</td>
<td>50</td>
</tr>
<tr>
<td>Controlled – Low NOx burners/FGR</td>
<td>32</td>
</tr>
</tbody>
</table>

The control efficiency of FGR and corresponding emissions factor without FGR are

\[ 100 \times \frac{(50 - 32)}{50} = 36\% \]

\[ 0.011 \times (1 - 0.36) = 0.017 \text{ lb/MMbtu} \]

and the pre add-on control emissions are

\[ 0.017 \text{ lb/MMbtu} \times 63 \text{ MMBtu/hr} \times 8760 \text{ hr/yr} \]

\[ = 9,382 \text{ lb-NOx/yr} < 20,000 \text{ lb-NOx/yr} \]

Therefore, the boiler is not subject to CAM.

d. N-1976-6-8: 184 MMBtu/hr Babcock & Wilcox Model FM117-97 Natural Gas-Fired Boiler with a Todd Rapid Mix Ultra Low NOx Burner and FGR

The boiler is equipped with a low NOx burner (LNB) with flue gas recirculation (FGR) and emissions limits for NOx, SOx, PM10, CO, and VOC. The unit is not subject to CAM for SOx, PM10, CO, and VOC since it does not have add-on controls for these criteria pollutants. It may be subject to CAM for NOx since it has an FGR system that is an add-on control for NOx. The following calculations will determine if the pre-control potential to emit will be greater than the major source threshold for NOx (20,000 lb/yr).

The boiler is currently operating in compliance with Rule 4306 and therefore is required to meet the NOx emissions limit of 0.011 lb/MBtu (9 ppmv @3%O2). To assess whether CAM is triggered the emissions factor corresponding to pre add-on (FGR) is calculated.
AP-42 Table 1.4-1 (7/98) lists the following emissions factors for small boilers > 100 MMBtu/hr

<table>
<thead>
<tr>
<th></th>
<th>Emissions Factor (lb/10^6 scf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uncontrolled</td>
<td>190</td>
</tr>
<tr>
<td>Controlled – low NOx burners</td>
<td>140</td>
</tr>
<tr>
<td>Controlled – Low NOx burners/FGR</td>
<td>100</td>
</tr>
</tbody>
</table>

The control efficiency of FGR and corresponding emissions factor without FGR are

\[
100 \times \frac{140 - 100}{140} = 29\%
\]

\[
0.011/(1 - 0.29) = 0.0.016 \text{ lb/MMbtu}
\]

and the pre add-on control emissions are

\[
0.016 \text{ lb/MMbtu} \times 184 \text{ MMBtu/hr} \times 8760 \text{ hr/yr}
\]

\[
= 25,789 \text{ lb-NO}_x/\text{yr} > 20,000 \text{ lb-NO}_x/\text{yr}
\]

Since the pre-control NO\textsubscript{X} potential to emit is greater than major source threshold for NO\textsubscript{X}, CAM is triggered for NO\textsubscript{X}.

40 CFR 64.3(a)(1) The owner or operator shall design the monitoring to obtain data for one or more indicators of emission control performance for the control device, any associated capture system and, if necessary to satisfy paragraph (a)(2) of this section, processes at a pollutant-specific emissions unit. Indicators of performance may include, but are not limited to, direct or predicted emissions (including visible emissions or opacity), process and control device parameters that affect control device (and capture system) efficiency or emission rates, or recorded findings of inspection and maintenance activities conducted by the owner or operator.

§64.3(a)(2) The owner or operator shall establish an appropriate range(s) or designated condition(s) for the selected indicator(s) such that operation within the ranges provides a reasonable assurance of ongoing compliance with emission limitations or standards for the anticipated range of operating conditions. Such range(s) or condition(s) shall reflect the proper operation and maintenance of the control device (and associated capture system), in accordance with applicable design properties, for minimizing emissions over the anticipated range of
operating conditions at least to the level required to achieve compliance with the applicable requirements.

§64.3(b)(4) Specifications for the frequency of conducting the monitoring, the data collection procedures that will be used (e.g., computerized data acquisition and handling, alarm sensor, or manual log entries based on gauge readings), and, if applicable, the period over which discrete data points will be averaged for the purpose of determining whether an excursion or exceedance has occurred.

(i) At a minimum, the owner or operator shall design the period over which data are obtained and, if applicable, averaged consistent with the characteristics and typical variability of the pollutant-specific emissions unit (including the control device and associated capture system). Such intervals shall be commensurate with the time period over which a change in control device performance that would require actions by owner or operator to return operations within normal ranges or designated conditions is likely to be observed.

(ii) For all pollutant-specific emissions units with the potential to emit, calculated including the effect of control devices, the applicable regulated air pollutant in an amount equal to or greater than 100 percent of the amount, in tons per year, required for a source to be classified as a major source, for each parameter monitored, the owner or operator shall collect four or more data values equally spaced over each hour and average the values, as applicable, over the applicable averaging period as determined in accordance with paragraph (b)(4)(i) of this section.

In order to comply with CAM, the facility will monitor the flue gas recirculation (FGR) valve setting on a daily basis. The FGR valve mechanical setting normal range will be established during source testing of the unit. The normal range will be re-established at each scheduled source testing of the unit. To determine if daily monitoring complies with §64.3(b)(4)(ii) above, the post-control potential to emit is calculated as follows and shows that it is below the NOx major source threshold of 20,000 lb-NOx/yr.

\[
\text{PE}_{\text{post-control}} = 0.011 \text{ lb-NOx/MMBtu} \times 184 \text{ MMBtu/hr} \times 8760 \text{ hr/yr} \\
= 17,730 \text{ lb-NOx/yr} < 20,000 \text{ lb-NOx/yr}
\]

Therefore, daily monitoring of the FGR valve setting complies with the rule.

The following conditions comply with the requirements of the rule.
The flue gas recirculation valve setting shall be monitored and recorded on a daily basis. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last week. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies.

The flue gas recirculation valve setting shall not be less than 61% at firing rates greater than 62%.

Normal range or level for the flue gas recirculation valve settings shall be re-established during each source test required by this permit.

If the flue gas recirculation valve setting is less than the normal range/level, the permittee shall return the flue gas recirculation valve setting to the normal range/level as soon as possible, but no longer than 1 hour of operation after detection. If the flue gas recirculation valve setting is not returned to the normal range/level within 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour, and conduct a source test within 60 days of the first exceedance, to demonstrate compliance with the applicable emission limits at the new flue gas recirculation valve setting. A District-approved portable analyzer may be used in lieu of a source test to demonstrate compliance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition.

The permittee shall maintain records of the date and time of flue gas recirculation valve settings, the observed setting, and the firing rate at the time of the flue gas recirculation valve(s) setting measurements. The records must also include a description of any corrective action taken to maintain the flue gas recirculation valve setting within the acceptable range.

- Conditions 8 through 12 on the requirements for this permit unit assure compliance with this rule.

This emissions unit is not equipped with add-on control for any criteria pollutants. Therefore, the unit is not subject to CAM for any criteria pollutants.


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h. N-1976-21-2: Dry Bean Receiving, Precleaning, and Storage Operation

This unit may be subject to CAM since it has an emission limit for PM$_{10}$ and equipped with a baghouse as an add-on control for PM$_{10}$. The following calculation shows that the pre-control potential to emit is less than the major source threshold for PM$_{10}$ of 140,000 lb/yr. Therefore the unit is not subject to CAM.

The permitted PM$_{10}$ emissions limit is 0.019 lb/ton and the throughput is limited to 90 tons/day. Using the 99% control efficiency assigned to the baghouse in Project N-1043524, the pre-control potential to emit is as follows.

\[
\text{Pre-Control PM}_{10} = (90 \text{ tons/day} \times 0.019 \text{ lb-PM}_{10}/\text{ton} \times 365 \text{ days/yr}) \div (1 - 0.99) = 62,415 \text{ lb-PM}_{10}/\text{yr} < 140,000 \text{ lb-PM}_{10}/\text{yr}
\]

i. N-1976-22-1: Dry Bean Cleaning and Processing Operation

This unit may be subject to CAM since it has an emission limit for PM$_{10}$ and equipped with a baghouse as an add-on control for PM$_{10}$. The following calculation shows that the pre-control potential to emit is less than the major source threshold for PM$_{10}$ of 140,000 lb/yr. Therefore the unit is not subject to CAM.
The permitted PM$_{10}$ emissions limit is 0.0012 lb/ton and the throughput is limited to 60 tons/day. Using the 99% control efficiency assigned to the baghouse in Project N-1043524, the pre-control potential to emit is as follows.

Pre-Control PM$_{10}$ = (60 tons/day x 0.0012 lb-PM$_{10}$/ton x 365 days/yr) ÷ (1 - 0.99) = 2,628 lb-PM$_{10}$/yr < 140,000 lb-PM$_{10}$/yr

16. Stanislaus County Rule 407, Sulfur Compounds

This county rule contains a limit on sulfur compounds. The limit at the point of discharge is 0.2 percent by volume, which is 2,000 ppmv, calculated as sulfur dioxide (SO$_2$), on a dry basis averaged over 15 consecutive minutes.

Diesel-fired internal combustion engines in this facility are limited to the combustion of CARB certified diesel fuel with less than 0.0015% sulfur by weight fuel. The following demonstration illustrates, by conversion of units of measure and comparison with predicted SO$_x$ emissions using AP-42 emission factor, that the 0.0015% sulfur by weight limitation is more stringent than the rule.

\[
\left(\frac{0.002 \text{ parts} \cdot \text{SO}_2}{\text{parts} \cdot \text{exhaust}}\right) \left(\frac{9190 \text{ dscf}}{\text{MMBtu}}\right) \left(\frac{64.14 \text{ g} \cdot \text{SO}_2}{\text{gmol}}\right) = 3.1 \text{ lb} \text{SO}_2/\text{MMBtu}
\]

where:
0.002 \text{ parts} \cdot \text{SO}_2/\text{parts} \cdot \text{exhaust} = \text{County Rule 406 emission limit}

9190 \text{ dscf}/\text{MMBtu} = \text{F-factor, F}_d, \text{ for oil (40 CFR § 60, App. A, Meth. 19, Table 19-1)}

64.14 \text{ g} \cdot \text{SO}_2/\text{gmol} = \text{molecular weight, SO}_2

23.7 \text{ L}/\text{gmol} = \text{molar volume of an ideal gas corrected to District standard conditions (60° F, 14.7 psi) per Charles' Law}

0.035315 \text{ ft}^3/\text{L} = \text{conversion factor (AP42, Appendix A)}

453.59 \text{ g}/\text{lb} = \text{conversion factor (AP42, Appendix A)}
Expected emissions of SO$_X$ are shown below:

\[
\left( \frac{142 \text{ lb SO}_x}{10^3 \text{ gal}} \right) \left( \frac{1 \text{ gal}}{137,000 \text{ Btu}} \right) = \left( \frac{142(0.0015) \text{ lb SO}_2}{10^3 \text{ gal}} \right) \left( \frac{1 \text{ gal}}{137,000 \text{ Btu}} \right) = 0.0016 \text{ lb/MMBtu}
\]

where:

\( S = 0.0015 \) = weight % of sulfur in oil, i.e. the permit requirement

\[
\frac{142 \text{ lb SO}_2}{10^3 \text{ gal}} = \text{uncontrolled emission factor for SO}_2 \text{ from AP-42 Table 1.3-2 (calculated at 0.5% fuel sulfur content by weight)}
\]

\[
\frac{137,000 \text{ Btu}}{1 \text{ gal}} = \text{higher heating value of fuel oil, from AP-42, Appendix A}
\]

As shown above, the fuel sulfur limitation of 0.0015% by weight results in emissions with an instantaneous limit of 0.0016 lb SO$_X$/MMBtu, which is more stringent than the 3.1 lb/MMBtu (averaged over 15 minutes) allowed by Stanislaus County Rule 407.


   • Condition 5 on the requirements for this permit unit assures compliance with this rule.


   • Condition 4 on the requirements for this permit unit assures compliance with this rule.


   • Condition 3 on the requirements for this permit unit assures compliance with this rule.
X. PERMIT SHIELD

A permit shield legally protects a facility from enforcement of the shielded regulations when a source is in compliance with the terms and conditions of the Title V permit. Compliance with the terms and conditions of the Operating Permit is considered compliance with all applicable requirements upon which those conditions are based, including those that have been subsumed.

A. Requirements Addressed by Model General Permit Templates

By using the model general permit template listed in Section IV of this evaluation, the applicant has requested that a permit shield be issued for requirements addressed in the template. The basis for each permit shield is discussed in the Permit Shield section of each template.

XI. PERMIT CONDITIONS

See draft operating permit beginning on the following page.
FACILITY-WIDE REQUIREMENTS

1. {4362} The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit

2. {4363} The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit

3. {4364} The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit

4. {4365} Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit

5. {4366} The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1] Federally Enforceable Through Title V Permit

6. {4367} A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit

7. {4368} Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit

8. {4369} The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit

9. {4370} The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate. Any amendments to these Facility-wide Requirements that affect specific Permit Units may constitute modification of those Permit Units.

Facility Name: CONAGRA FOODS
Location: 554 S YOSEMITE AVE, OAKDALE, CA 95361
Facility-wide Requirements for N-1976-0-2 (continued)

10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1] Federally Enforceable Through Title V Permit

11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520 (6/21/01). [District Rules 2520, 9.5.2 and 1100, 7.0] Federally Enforceable Through Title V Permit

12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.7] Federally Enforceable Through Title V Permit

13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.8.2] Federally Enforceable Through Title V Permit

14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3] Federally Enforceable Through Title V Permit

15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4] Federally Enforceable Through Title V Permit

16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5] Federally Enforceable Through Title V Permit

17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9] Federally Enforceable Through Title V Permit

18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.13.2.1] Federally Enforceable Through Title V Permit

19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.13.2.2] Federally Enforceable Through Title V Permit

20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3] Federally Enforceable Through Title V Permit

21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4] Federally Enforceable Through Title V Permit
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit

23. No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit

24. All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit

25. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit

26. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit

27. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit

28. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit

29. Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8021 and 8011] Federally Enforceable Through Title V Permit

30. Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8031 and 8011] Federally Enforceable Through Title V Permit

31. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8041 and 8011] Federally Enforceable Through Title V Permit

32. Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8051 and 8011] Federally Enforceable Through Title V Permit

33. Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8061 and Rule 8011] Federally Enforceable Through Title V Permit
34. Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.0 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rule 8071 and Rule 8011] Federally Enforceable Through Title V Permit

35. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit

36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit

37. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit

38. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit

39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

40. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/92); 8021 (12/17/92); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

41. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

42. On month, day, year, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit
PERMIT UNIT: N-1976-3-7

EXPIRATION DATE: 07/31/2012

EQUIPMENT DESCRIPTION:
111 MMBTU/HR BABCOCK & WILCOX MODEL FF-16 NATURAL GAS-FIRED BOILER (#3) WITH A YODD MODEL RADIUS LOW NOX BURNER AND FLUE GAS RECIRCULATION (FGR)

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit

2. The unit shall only be fired on PUC-regulated natural gas. [District Rule 2201, and 4320] Federally Enforceable Through Title V Permit

3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit

4. Emissions rates from the natural gas-fired unit shall not exceed any of the following limits: 9.0 ppmv NOx @ 3% O2 or 0.011 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.005 lb-PM10/MMBtu, 50 ppmv CO @ 3% O2 or 0.036 lb-CO/MMBtu, or 0.0014 lb-VOC/MMBtu. [District Rule 2201, 4305, and 4306] Federally Enforceable Through Title V Permit

5. The flue gas recirculation valve(s) setting shall be monitored at least on a weekly basis. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last week. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

6. The acceptable settings for the flue gas recirculation valve(s) shall be established by source testing this unit or other representative units per Rule 4305 and as approved by the District. The normal range/level shall be that for which compliance with applicable NOx and CO emissions rates have been demonstrated through source testing at a similar firing rate. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

7. Normal range or level for the flue gas recirculation valve(s) settings shall be re-established during each source test required by this permit. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

8. If the flue gas recirculation valve(s) setting is less than the normal range/level, the permittee shall return the flue gas recirculation valve(s) setting to the normal range/level as soon as possible, but no longer than 1 hour of operation after detection. If the flue gas recirculation valve(s) setting is not returned to the normal range/level within 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour, and conduct a source test within 60 days of the first exceedance, to demonstrate compliance with the applicable emission limits at the new flue gas recirculation valve(s) setting. A District-approved portable analyzer may be used in lieu of a source test to demonstrate compliance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
9. The permittee shall maintain records of the date and time of flue gas recirculation valve(s) settings, the observed setting, and the firing rate at the time of the flue gas recirculation valve(s) setting measurements. The records must also include a description of any corrective action taken to maintain the flue gas recirculation valve(s) setting within the acceptable range. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

10. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4306. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

11. Source testing to measure natural gas-combustion NOx and CO emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

12. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

13. During the 36-month source testing interval, the owner/operator shall have unit tuned at least twice each calendar year, from four to eight months apart, in which it operates, by a technician that is qualified, to the satisfaction of the APCO, in accordance with the procedure described in Rule 4304 (Equipment Tuning Procedure for Boilers, Steam Generators, and Process Heaters). [District Rule 4306] Federally Enforceable Through Title V Permit

14. If the unit does not operate throughout a continuous six-month period within a calendar year, only one tune-up is required for that calendar year. No tune-up is required for any unit that is not operated during that calendar year; this unit may be test fired to verify availability of the unit for its intended use, but once the test firing is completed the unit shall be shutdown. [District Rule 4306] Federally Enforceable Through Title V Permit

15. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit

16. NOx emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

17. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

18. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

19. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

20. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit

21. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, and 4306] Federally Enforceable Through Title V Permit

22. The permittee shall submit an Authority to Construct application to comply with the Table 1, Category B, NOx Limit b of District Rule 4320 (adopted October 16, 2008) by January 1, 2013, and shall be in compliance with the rule by January 1, 2014. [District Rule 4320] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.
PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit

2. The unit shall only be fired on PUC-regulated natural gas. [District Rule 2201, and 4320] Federally Enforceable Through Title V Permit

3. Natural gas usage for this boiler shall not exceed 943,272 MMBtu in any one calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit

4. Particulate matter emissions shall not exceed 0.1 grains/dscfm in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit

5. Emissions rates from the natural gas-fired unit shall not exceed any of the following limits: 9.0 ppmv NOx @ 3% O2 or 0.011 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.005 lb-PM10/MMBtu, 50 ppmv CO @ 3% O2 or 0.036 lb-CO/MMBtu, or 0.0014 lb-VOC/MMBtu. [District Rule 2201, 4305, and 4306] Federally Enforceable Through Title V Permit

6. The flue gas recirculation valve(s) setting shall be monitored at least on a weekly basis. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last week. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

7. The acceptable settings for the flue gas recirculation valve(s) shall be established by source testing this unit or other representative units per Rule 4305 and as approved by the District. The normal range/level shall be that for which compliance with applicable NOx and CO emissions rates have been demonstrated through source testing at a similar firing rate. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

8. Normal range or level for the flue gas recirculation valve(s) settings shall be re-established during each source test required by this permit. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

9. If the flue gas recirculation valve(s) setting is less than the normal range/level, the permittee shall return the flue gas recirculation valve(s) setting to the normal range/level as soon as possible, but no longer than 1 hour of operation after detection. If the flue gas recirculation valve(s) setting is not returned to the normal range/level within 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour, and conduct a source test within 60 days of the first exceedance, to demonstrate compliance with the applicable emission limits at the new flue gas recirculation valve(s) setting. A District-approved portable analyzer may be used in lieu of a source test to demonstrate compliance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.
10. The permittee shall maintain records of the date and time of flue gas recirculation valve(s) settings, the observed setting, and the firing rate at the time of the flue gas recirculation valve(s) setting measurements. The records must also include a description of any corrective action taken to maintain the flue gas recirculation valve(s) setting within the acceptable range. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

11. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4306. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

12. Source testing to measure natural gas-combustion NOx and CO emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

13. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

14. During the 36-month source testing interval, the owner/operator shall have unit tuned at least twice each calendar year, from four to eight months apart, in which it operates, by a technician that is qualified, to the satisfaction of the APCO, in accordance with the procedure described in Rule 4304 (Equipment Tuning Procedure for Boilers, Steam Generators, and Process Heaters). [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

15. If the unit does not operate throughout a continuous six-month period within a calendar year, only one tune-up is required for that calendar year. No tune-up is required for any unit that is not operated during that calendar year; this unit may be test fired to verify availability of the unit for its intended use, but once the test firing is completed the unit shall be shutdown. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

16. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit

17. NOx emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

18. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

19. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

20. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

21. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit

22. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, and 4306] Federally Enforceable Through Title V Permit

23. The permittee shall submit an Authority to Construct application to comply with the Table 1, Category B, NOx Limit b of District Rule 4320 (adopted October 16, 2008) by January 1, 2013, and shall be in compliance with the rule by January 1, 2014. [District Rule 4320] Federally Enforceable Through Title V Permit
PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit

2. The unit shall only be fired on PUC-regulated natural gas. [District Rule 2201, and 4320] Federally Enforceable Through Title V Permit

3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit

4. Emissions rates from the natural gas-fired unit shall not exceed any of the following limits: 9.0 ppmvd NOx @ 3% O2 or 0.011 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 50 ppmvd CO @ 3% O2 or 0.037 lb-CO/MMBtu, or 0.001 lb-VOC/MMBtu. [District Rule 2201, 4305, and 4306] Federally Enforceable Through Title V Permit

5. The flue gas recirculation valve(s) setting shall be monitored at least on a weekly basis. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last week. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rules, 4305, and 4306] Federally Enforceable Through Title V Permit

6. The acceptable settings for the flue gas recirculation valve(s) shall be established by source testing this unit or other representative units per Rule 4305 and as approved by the District. The normal range/level shall be that for which compliance with applicable NOx and CO emissions rates have been demonstrated through source testing at a similar firing rate. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

7. Normal range or level for the flue gas recirculation valve(s) settings shall be re-established during each source test required by this permit. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

8. If the flue gas recirculation valve(s) setting is less than the normal range/level, the permittee shall return the flue gas recirculation valve(s) setting to the normal range/level as soon as possible, but no longer than 1 hour of operation after detection. If the flue gas recirculation valve(s) setting is not returned to the normal range/level within 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour, and conduct a source test within 60 days of the first exceedance, to demonstrate compliance with the applicable emission limits at the new flue gas recirculation valve(s) setting. A District-approved portable analyzer may be used in lieu of a source test to demonstrate compliance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
9. The permittee shall maintain records of the date and time of flue gas recirculation valve(s) settings, the observed setting, and the firing rate at the time of the flue gas recirculation valve(s) setting measurements. The records must also include a description of any corrective action taken to maintain the flue gas recirculation valve(s) setting within the acceptable range. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

10. During the 36-month source testing interval, the owner/operator shall have unit tuned at least twice each calendar year, from four to eight months apart, in which it operates, by a technician that is qualified, to the satisfaction of the APCO, in accordance with the procedure described in Rule 4304 (Equipment Tuning Procedure for Boilers, Steam Generators, and Process Heaters). [District Rule 4306] Federally Enforceable Through Title V Permit

11. If the unit does not operate throughout a continuous six-month period within a calendar year, only one tune-up is required for that calendar year. No tune-up is required for any unit that is not operated during that calendar year; this unit may be test fired to verify availability of the unit for its intended use, but once the test firing is completed the unit shall be shutdown. [District Rule 4306] Federally Enforceable Through Title V Permit

12. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4306. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

13. Source testing to measure natural gas-combustion NOx and CO emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

14. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

15. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit

16. NOx emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

17. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

18. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

19. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

20. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit

21. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, and 4306] Federally Enforceable Through Title V Permit

22. The permittee shall submit an Authority to Construct application to comply with the Table 1, Category B, NOx Limit b of District Rule 4320 (adopted October 16, 2008) by January 1, 2013, and shall be in compliance with the rule by January 1, 2014. [District Rule 4320] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.
PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit

2. The unit shall only be fired on PUC-regulated natural gas. [District Rule 2201, 4301, and 4320] Federally Enforceable Through Title V Permit

3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit

4. This unit is subject to the requirements of 40 CFR Part 60, Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units. [District Rule 4001] Federally Enforceable Through Title V Permit

5. This unit shall comply with the emission monitoring requirements for nitrogen oxides given in 40 CFR Part 60.48b. [District Rule 4001] Federally Enforceable Through Title V Permit

6. Emission rates from the unit shall not exceed 0.10 lb-NOx/MMBtu at any time, including periods of startup, shutdown, or malfunction. Compliance with this shall be determined by the EPA-approved alternate monitoring plan for this permit unit. [District Rule 4001 and 40 CFR 60.44b] Federally Enforceable Through Title V Permit

7. Emissions rates from the natural gas-fired unit shall not exceed any of the following limits: 9.0 ppmvd NOx @ 3% O2 or 0.011 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 50 ppmvd CO @ 3% O2 or 0.037 lb-CO/MMBtu, or 0.001 lb-VOC/MMBtu. [District Rule 2201, 4305, 4306, and 4351] Federally Enforceable Through Title V Permit

8. The flue gas recirculation valve setting shall be monitored and recorded on a daily basis. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last week. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rules 4305, 4306, and 40 CFR 64] Federally Enforceable Through Title V Permit

9. The flue gas recirculation valve setting shall not be less than 61% at firing rates greater than 62%. [District Rules 4305, 4306, and 40 CFR 64] Federally Enforceable Through Title V Permit

10. Normal range or level for the flue gas recirculation valve settings shall be re-established during each source test required by this permit. [District Rules 4305, 4306 and 40 CFR 64] Federally Enforceable Through Title V Permit
11. If the flue gas recirculation valve setting is less than the normal range/level, the permittee shall return the flue gas recirculation valve setting to the normal range/level as soon as possible, but no longer than 1 hour of operation after detection. If the flue gas recirculation valve setting is not returned to the normal range/level within 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour, and conduct a source test within 60 days of the first exceedance, to demonstrate compliance with the applicable emission limits at the new flue gas recirculation valve setting. A District-approved portable analyzer may be used in lieu of a source test to demonstrate compliance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305, 4306, and 40 CFR 64] Federally Enforceable Through Title V Permit

12. The permittee shall maintain records of the date and time of flue gas recirculation valve settings, the observed setting, and the firing rate at the time of the flue gas recirculation valve(s) setting measurements. The records must also include a description of any corrective action taken to maintain the flue gas recirculation valve setting within the acceptable range. [District Rules 4305, 4306, and 40 CFR 64] Federally Enforceable Through Title V Permit

13. During the 36-month source testing interval, the owner/operator shall have unit tuned at least twice each calendar year, from four to eight months apart, in which it operates, by a technician that is qualified, to the satisfaction of the APCO, in accordance with the procedure described in Rule 4304 (Equipment Tuning Procedure for Boilers, Steam Generators, and Process Heaters). [District Rule 4306] Federally Enforceable Through Title V Permit

14. If the unit does not operate throughout a continuous six-month period within a calendar year, only one tune-up is required for that calendar year. No tune-up is required for any unit that is not operated during that calendar year; this unit may be test fired to verify availability of the unit for its intended use, but once the test firing is completed the unit shall be shutdown. [District Rule 4306] Federally Enforceable Through Title V Permit

15. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4306. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

16. Source testing to measure natural gas-combustion NOx and CO emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

17. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

18. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit

19. NOx emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

20. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

21. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

22. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
23. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit

24. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, and 4306] Federally Enforceable Through Title V Permit

25. The permittee shall submit an Authority to Construct application to comply with the Table 1, Category B, NOx Limit b of District Rule 4320 (adopted October 16, 2008) by January 1, 2013, and shall be in compliance with the rule by January 1, 2014. [District Rule 4320] Federally Enforceable Through Title V Permit
PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit

2. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]

3. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 40 CFR 63.6625 (f), and 17 CCR 93115] Federally Enforceable Through Title V Permit

4. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit

5. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District 4801, Stanislaus County Rule 407, and 17 CCR 93115] Federally Enforceable Through Title V Permit

6. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit

7. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 30 hours per calendar year. [District Rule 4702, 40 CFR 63.6640 (f)(ii), and 17 CCR 93115] Federally Enforceable Through Title V Permit

8. NOx emissions shall not exceed 6.9 g/hp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit

9. The PM10 emissions rate shall not exceed 0.16 g/hp-hr based on US EPA certification using ISO 8178 test procedure. [District Rule 2201] Federally Enforceable Through Title V Permit

10. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

11. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.
12. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit

13. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit

14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702, 40 CFR 63.6660, and 17 CCR 93115] Federally Enforceable Through Title V Permit

15. On and after May 3, 2013, the permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit


17. On and after May 3, 2013, the engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63.6603/63.6640] Federally Enforceable Through Title V Permit

18. On and after May 3, 2013, the engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603/63.6640] Federally Enforceable Through Title V Permit

19. On and after May 3, 2013, the engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603/63.6640] Federally Enforceable Through Title V Permit

20. On and after May 3, 2013, the permittee shall maintain monthly records of all performance tests, opacity and visible emissions observations and required maintenance performed on the air pollution control and monitoring equipment. [40 CFR 63.6655(a)(3)[§63.10(b)(2)(viii) and §63.6655(a)(4)] Federally Enforceable Through Title V Permit

21. On and after May 3, 2013, the permittee shall maintain monthly records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of action taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR 63.6655(a)(2) and (a)(5)] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-1976-17-2

EXPIRATION DATE: 07/31/2012

EQUIPMENT DESCRIPTION:
115 BHP GENERAL MOTORS MODEL PTA-1SD-50 DIESEL-FIRED EMERGENCY IC ENGINE POWERING A
FIREWATER PUMP (SERIAL NO. 422644)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit

2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 40 CFR 63.6625(f), and 17 CCR 93115] Federally Enforceable Through Title V Permit

3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]

4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 4801, Stanislaus County Rule 407, and 17 CCR 93115] Federally Enforceable Through Title V Permit

5. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702, 40 CFR 63.6640(f)(ii), and 17 CCR 93115] Federally Enforceable Through Title V Permit

6. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

7. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

8. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit

9. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702, 40 CFR 63.6660, and 17 CCR 93115] Federally Enforceable Through Title V Permit

10. On and after May 3, 2013, the permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

12. On and after May 3, 2013, the engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63.6603/63.6640] Federally Enforceable Through Title V Permit

13. On and after May 3, 2013, the engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603/63.6640] Federally Enforceable Through Title V Permit

14. On and after May 3, 2013, the engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603/63.6640] Federally Enforceable Through Title V Permit

15. On and after May 3, 2013, the permittee shall maintain monthly records of all performance tests, opacity and visible emissions observations and required maintenance performed on the air pollution control and monitoring equipment. [40 CFR 63.6655(a)(3)/§63.10(b)(2)(viii) and §63.6655(a)(4)] Federally Enforceable Through Title V Permit

16. On and after May 3, 2013, the permittee shall maintain monthly records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of action taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR 63.6655(a)(2) and (a)(5)] Federally Enforceable Through Title V Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-1976-18-2

EXPIRATION DATE: 07/31/2012

EQUIPMENT DESCRIPTION:
115 BHP GENERAL MOTORS MODEL PTA-1SD-50 DIESEL-FIRED EMERGENCY IC ENGINE POWERING A
FIREFIGHT PUMP/FIREFRINKLER SYSTEM (SERIAL NUMBER 412806)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit

2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 40 CFR 63.6625(f), and 17 CCR 93115] Federally Enforceable Through Title V Permit

3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 4801, Stanislaus County Rule 407, and 17 CCR 93115] Federally Enforceable Through Title V Permit

4. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702, 40 CFR 63.6640(f)(ii), and 17 CCR 93115]

5. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

6. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

7. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit

8. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702, 40 CFR 63.6660, and 17 CCR 93115] Federally Enforceable Through Title V Permit

9. On and after May 3, 2013, the permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit


PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.
11. On and after May 3, 2013, the engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63.6603/63.6640] Federally Enforceable Through Title V Permit

12. On and after May 3, 2013, the engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603/63.6640] Federally Enforceable Through Title V Permit

13. On and after May 3, 2013, the engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603/63.6640] Federally Enforceable Through Title V Permit

14. On and after May 3, 2013, the permittee shall maintain monthly records of all performance tests, opacity and visible emissions observations and required maintenance performed on the air pollution control and monitoring equipment. [40 CFR 63.6655(a)(3)/§63.10(b)(2)(viii) and §63.6655(a)(4)] Federally Enforceable Through Title V Permit

15. On and after May 3, 2013, the permittee shall maintain monthly records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of action taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR 63.6655(a)(2) and (a)(5)] Federally Enforceable Through Title V Permit
PERMIT UNIT REQUIREMENTS

1. Visible emissions from the baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit

2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit

3. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit

4. The pressure differential gauge reading range shall be established per manufacturer's recommendation during the start up inspection. [District Rule 2201] Federally Enforceable Through Title V Permit

5. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit

6. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit

7. Material removed from the baghouse shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit

8. The quantity of dry beans received shall not exceed 90 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit

9. The PM10 emissions from the dry bean receiving, cleaning, and storage operation shall not exceed 0.019 lb per ton of dry beans received. [District Rule 2201] Federally Enforceable Through Title V Permit

10. A daily record of the quantity of dry beans received (in tons) shall be kept on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit

11. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070 and Stanislaus County Rule 107] Federally Enforceable Through Title V Permit

12. Visible emissions from the source operation shall be evaluated using EPA method 22 once per calendar year. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.
13. Annual records of visible emissions monitoring results shall be maintained and retained on the premises for a period of at least 5 years and made available for District inspection upon request. [District Rule 2520] Federally Enforceable Through Title V Permit
PERMIT UNIT REQUIREMENTS

1. Visible emissions from the baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit

2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit

3. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit

4. The pressure differential gauge reading range shall be established per manufacturer's recommendation during the start up inspection. [District Rule 2201] Federally Enforceable Through Title V Permit

5. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit

6. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit

7. Material removed from the baghouse shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit

8. The quantity of dry beans processed shall not exceed 60 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit

9. The PM10 emissions from the dry bean cleaning and processing operation shall not exceed 0.0012 lb per ton of dry beans processed. [District Rule 2201] Federally Enforceable Through Title V Permit

10. A daily record of the quantity of dry beans processed (in tons) shall be kept on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit

11. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070 and Stanislaus County Rule 107] Federally Enforceable Through Title V Permit

12. Visible emissions from the source operation shall be evaluated using EPA method 22 once per calendar year. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520] Federally Enforceable Through Title V Permit

13. Annual records of visible emissions monitoring results shall be maintained and retained on the premises for a period of at least 5 years and made available for District inspection upon request. [District Rule 2520] Federally Enforceable Through Title V Permit
Attachment A

Detailed Facility Printout
## Detailed Facility Report

For Facility=1976 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

<table>
<thead>
<tr>
<th>PERMIT NUMBER</th>
<th>FEE DESCRIPTION</th>
<th>FEE RULE</th>
<th>QTY</th>
<th>FEE AMOUNT</th>
<th>FEE TOTAL</th>
<th>PERMIT STATUS</th>
<th>EQUIPMENT DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-1976-3-6</td>
<td>111,000 kBtu/hr</td>
<td>3020-02 H</td>
<td>1</td>
<td>1,030.00</td>
<td>1,030.00</td>
<td>A</td>
<td>111 MMBTU/HR BABCOCK &amp; WILCOX MODEL FF-16 NATURAL GAS-FIRED BOILER (#3) WITH A TODD MODEL RADIAN LOW NOX BURNER AND FLUE GAS RECIRCULATION (FGR)</td>
</tr>
<tr>
<td>N-1976-4-8</td>
<td>196,000 kBtu/hr</td>
<td>3020-02 H</td>
<td>1</td>
<td>1,030.00</td>
<td>1,030.00</td>
<td>A</td>
<td>196 MMBTU/HR BABCOCK &amp; WILCOX MODEL FF-16 NATURAL GAS-FIRED BOILER (#4) WITH A TODD MODEL RADIAN LOW NOX BURNER AND FLUE GAS RECIRCULATION (FGR)</td>
</tr>
<tr>
<td>N-1976-5-6</td>
<td>63,000 kBtu/hr</td>
<td>3020-02 H</td>
<td>1</td>
<td>1,030.00</td>
<td>1,030.00</td>
<td>A</td>
<td>63 MMBTU/HR INDUSTRIAL STEAM MODEL D-21-50 BOILER #1 WITH A TODD RAPID MIX ULTRA LOW NOX BURNER AND FLUE GAS RECIRCULATION (FGR)</td>
</tr>
<tr>
<td>N-1976-6-7</td>
<td>184 MMBtu/hr</td>
<td>3020-02 H</td>
<td>1</td>
<td>1,030.00</td>
<td>1,030.00</td>
<td>A</td>
<td>184 MMBTU/HR BABCOCK &amp; WILCOX MODEL FM117-97 NATURAL GAS-FIRED BOILER WITH A TODD RAPID MIX ULTRA LOW NOX BURNER AND FLUE GAS RECIRCULATION (FGR)</td>
</tr>
<tr>
<td>N-1976-14-1</td>
<td>102 hp</td>
<td>3020-10 B</td>
<td>1</td>
<td>117.00</td>
<td>117.00</td>
<td>A</td>
<td>102 BHP CUMMINS MODEL 4BT3 9-44 DIESEL-FIRED EMERGENCY STANDBY ENGINE POWERING AN ELECTRICAL GENERATOR</td>
</tr>
<tr>
<td>N-1976-17-1</td>
<td>115 hp</td>
<td>3020-10 B</td>
<td>1</td>
<td>117.00</td>
<td>117.00</td>
<td>A</td>
<td>115 BHP GENERAL MOTORS MODEL PTA-1SD-50 DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP (SERIAL NO. 422644)</td>
</tr>
<tr>
<td>N-1976-18-1</td>
<td>115 hp</td>
<td>3020-10 B</td>
<td>1</td>
<td>117.00</td>
<td>117.00</td>
<td>A</td>
<td>115 BHP GENERAL MOTORS MODEL PTA-1SD-50 DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP/FIRE SPRINKLER SYSTEM (SERIAL NUMBER 412800)</td>
</tr>
<tr>
<td>N-1976-21-1</td>
<td>Total Electnc Motors 173.5 hp</td>
<td>3020-01 D</td>
<td>1</td>
<td>314.00</td>
<td>314.00</td>
<td>A</td>
<td>DRY BEAN RECEIVING, PRECLEANING, AND STORAGE OPERATION CONSISTING OF A RECEIVING PIT WITH A MARTIN BOOT-LIFT RAILCAR CONNECTOR, CRIPPEN MFG CO CENTURY MODEL 88-DS BEAN CLEANER AND LMC DESTONER ALL SERVED BY A SIMATEK ARC MODEL JIM 90/50-04 BAGHOUSE, FOUR 200-TON STORAGE SILOS AND ASSOCIATED CONVEYING EQUIPMENT</td>
</tr>
<tr>
<td>N-1976-22-1</td>
<td>Total Electnc Motors 66 5 hp</td>
<td>3020-01 C</td>
<td>1</td>
<td>197.00</td>
<td>197.00</td>
<td>A</td>
<td>DRY BEAN CLEANING AND PROCESSING OPERATION CONSISTING OF A BEAN CLEANER, OLIVER MODEL 4848 AM DESTONER, AND TWO WEIGH HOPPERS ALL SERVED BY A DONALDSON CO., INC. MODEL 44 BAGHOUSE AND ASSOCIATED CONVEYING EQUIPMENT</td>
</tr>
</tbody>
</table>

Number of Facilities Reported: 1
Attachment B

Exempt Equipment
Check the box next to the exemption category from Rule 2020 which describes any insignificant activity or equipment at your facility not requiring a permit.

<table>
<thead>
<tr>
<th>Exemption Category</th>
<th>Rule 2020 Citation</th>
<th>Exemption Category</th>
<th>Rule 2020 Citation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Structure or incinerator assoc. with a structure designed as a dwelling for 4 families or less</td>
<td>4.1</td>
<td>Containers used to store refined lubricating oils</td>
<td>6.6.8</td>
</tr>
<tr>
<td>Locomotives, airplanes, and watercraft used to transport passengers or freight</td>
<td>4.4</td>
<td>Unvented pressure vessels used exclusively to store liquefied gases or assoc with exempt equipment</td>
<td>6.6.9 or 6.13</td>
</tr>
<tr>
<td>Natural gas or LPG-fired boilers or other indirect heat transfer units of 5 MMBtu/hr or less</td>
<td>6.1.1</td>
<td>Portable tanks used exclusively to store produced fluids for ≤ six months</td>
<td>6.6.10</td>
</tr>
<tr>
<td>Piston-type i.c. engine with maximum continuous rating of 50 braking horsepower (bhp) or less</td>
<td>6.1.2</td>
<td>Mobile transport tanks on delivery vehicles of VOCs</td>
<td>6.6.11</td>
</tr>
<tr>
<td>Gas turbine engines with maximum heat input rating of 3 MMBtu/hr or less</td>
<td>6.1.3</td>
<td>Loading racks used for the transfer of less than 4,000 gal/day of unheated organic material with initial boiling point ≥ 302 F or of fuel oil with specific gravity 50.8251</td>
<td>6.7.1.1</td>
</tr>
<tr>
<td>Space heating equipment other than boilers</td>
<td>6.1.4</td>
<td>Loading racks used for the transfer of asphalt, crude or residual oil stored in exempt tanks, or crude oil with specific gravity ≥ 0.8762</td>
<td>6.7.1.2</td>
</tr>
<tr>
<td>Cooling towers with a circulation rate less than 10,000 gal/min, and that are not used for cooling of process water, or water from barometric jets or condensers++</td>
<td>6.2</td>
<td>Equipment used exclusively for the transfer of refined lubricating oil</td>
<td>6.7.2</td>
</tr>
<tr>
<td>Use of less than 2 gal/day of graphic arts materials</td>
<td>6.3</td>
<td>Equipment used to apply architectural coatings</td>
<td>6.8.1</td>
</tr>
<tr>
<td>Equipment at retail establishments used to prepare food for human consumption</td>
<td>6.4.1</td>
<td>Unheated, non-conveyorized cleaning equipment with &lt; 10 ft² open area; using solvents with initial boiling point ≥ 248 F; and &lt; 25 gal/yr. evaporative losses</td>
<td>6.9</td>
</tr>
<tr>
<td>Ovens at bakeries with total daily production less than 1,000 pounds and exempt by sec. 6.1.1</td>
<td>6.4.3</td>
<td>Brazing, soldering, or welding equipment</td>
<td>6.10 X</td>
</tr>
<tr>
<td>Equipment used exclusively for extruding or compression molding of rubber or plastics, where no plastisizer or blowing agent is used</td>
<td>6.5</td>
<td>Equipment used to compress natural gas</td>
<td>6.11</td>
</tr>
<tr>
<td>Containers used to store clean produced water</td>
<td>6.6.1</td>
<td>Fugitive emissions sources assoc. with exempt equipment</td>
<td>6.12</td>
</tr>
<tr>
<td>Containers ≤100 bbl used to store oil with specific gravity ≥ 0.8762</td>
<td>6.6.2</td>
<td>Pits and Ponds as defined in Rule 1020</td>
<td>6.15</td>
</tr>
<tr>
<td>Containers ≤ 100 bbl installed prior to 6/1/89 used to store oil with specific gravity ≥ 0.8762</td>
<td>6.6.3</td>
<td>On-site roadmix manufacturing and the application of roadmix as a road base material</td>
<td>6.17</td>
</tr>
<tr>
<td>Containers with a capacity ≤ 250 gallons used to store organic material where the actual storage temperature &lt;150 F</td>
<td>6.6.4</td>
<td>Emissions less than 2 lb/day from units not included above</td>
<td>6.19</td>
</tr>
<tr>
<td>Containers used to store unheated organic material with an initial boiling point ≥ 302 F</td>
<td>6.6.5</td>
<td>Venting PUC quality natural gas from for sole purpose of pipeline and compressor repair and or maintenance</td>
<td>7.2</td>
</tr>
<tr>
<td>Containers used to store fuel oils or non-air-blown asphalt with specific gravity ≥ 0.9042</td>
<td>6.6.6</td>
<td>Non-structural repairs &amp; maintenance to permitted equipment</td>
<td>7.3 X</td>
</tr>
<tr>
<td>Containers used to store petroleum distillates used as motor fuel with specific gravity ≥ 0.8251</td>
<td>6.6.7</td>
<td>Detonation of explosives ≤ 100 lb/day and 1,000 lb/year</td>
<td>7.4</td>
</tr>
</tbody>
</table>

☐ No insignificant activities (Check this box if no equipment in the above categories exist at your facility.)
Permit to Operate

FACILITY: N-1976

LEGAL OWNER OR OPERATOR: CONAGRA FOODS
MAILING ADDRESS: 554 S YOSEMITE AVE
OAKDALE, CA 95361

FACILITY LOCATION: 554 S YOSEMITE AVE
OAKDALE, CA 95361

FACILITY DESCRIPTION: FOOD PRODUCTS PROCESSING

The Facility’s Permit to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

This Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

Seyed Sadredin
Executive Director / APCO

David Warner
Director of Permit Services
PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201]

3. The unit shall only be fired on PUC-regulated natural gas. [District Rule 2201]

4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]

5. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]

6. Emissions rates from the natural gas-fired unit shall not exceed any of the following limits: 9.0 ppmv NOx @ 3% O2 or 0.011 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.005 lb-PM10/MMBtu, 50 ppmv CO @ 3% O2 or 0.036 lb-CO/MMBtu, or 0.0014 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306]

7. The flue gas recirculation valve(s) setting shall be monitored at least on a weekly basis. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last week. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rules 4305 and 4306]

8. The acceptable settings for the flue gas recirculation valve(s) shall be established by source testing this unit or other representative units per Rule 4305 and as approved by the District. The normal range/level shall be that for which compliance with applicable NOx and CO emissions rates have been demonstrated through source testing at a similar firing rate. [District Rules 4305 and 4306]

9. Normal range or level for the flue gas recirculation valve(s) settings shall be re-established during each source test required by this permit. [District Rules 4305 and 4306]

10. If the flue gas recirculation valve(s) setting is less than the normal range/level, the permittee shall return the flue gas recirculation valve(s) setting to the normal range/level as soon as possible, but no longer than 1 hour of operation after detection. If the flue gas recirculation valve(s) setting is not returned to the normal range/level within 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour, and conduct a source test within 60 days of the first exceedance, to demonstrate compliance with the applicable emission limits at the new flue gas recirculation valve(s) setting. A District-approved portable analyzer may be used in lieu of a source test to demonstrate compliance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305 and 4306]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
11. The permittee shall maintain records of the date and time of flue gas recirculation valve(s) settings, the observed setting, and the firing rate at the time of the flue gas recirculation valve(s) setting measurements. The records must also include a description of any corrective action taken to maintain the flue gas recirculation valve(s) setting within the acceptable range. [District Rules 4305 and 4306]

12. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4306. [District Rules 4305 and 4306]

13. Source testing to measure natural gas-combustion NOx and CO emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305 and 4306]

14. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306]

15. During the 36-month source testing interval, the owner/operator shall have unit tuned at least twice each calendar year, from four to eight months apart, in which it operates, by a technician that is qualified, to the satisfaction of the APCO, in accordance with the procedure described in Rule 4304 (Equipment Tuning Procedure for Boilers, Steam Generators, and Process Heaters). [District Rule 4306]

16. If the unit does not operate throughout a continuous six-month period within a calendar year, only one tune-up is required for that calendar year. No tune-up is required for any unit that is not operated during that calendar year; this unit may be test fired to verify availability of the unit for its intended use, but once the test firing is completed the unit shall be shutdown. [District Rule 4306]

17. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081]

18. NOx emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305 and 4306]

19. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305 and 4306]

20. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305 and 4306]

21. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305 and 4306]

22. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]

23. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, and 4306]
PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201]

3. The unit shall only be fired on PUC-regulated natural gas. [District Rule 2201]

4. Natural gas usage for this boiler shall not exceed 943,272 MMBtu in any one calendar year. [District Rule 2201]

5. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]

6. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]

7. Emissions rates from the natural gas-fired unit shall not exceed any of the following limits: 9.0 ppmv NOx @ 3% O2 or 0.011 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.005 lb-PM10/MMBtu, 50 ppmv CO @ 3% O2 or 0.036 lb-CO/MMBtu, or 0.0014 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306]

8. The flue gas recirculation valve(s) setting shall be monitored at least on a weekly basis. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last week. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rules 4305 and 4306]

9. The acceptable settings for the flue gas recirculation valve(s) shall be established by source testing this unit or other representative units per Rule 4305 and as approved by the District. The normal range/level shall be that for which compliance with applicable NOx and CO emissions rates have been demonstrated through source testing at a similar firing rate. [District Rules 4305 and 4306]

10. Normal range or level for the flue gas recirculation valve(s) settings shall be re-established during each source test required by this permit. [District Rules 4305 and 4306]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.
11. If the flue gas recirculation valve(s) setting is less than the normal range/level, the permittee shall return the flue gas recirculation valve(s) setting to the normal range/level as soon as possible, but no longer than 1 hour of operation after detection. If the flue gas recirculation valve(s) setting is not returned to the normal range/level within 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour, and conduct a source test within 60 days of the first exceedance, to demonstrate compliance with the applicable emission limits at the new flue gas recirculation valve(s) setting. A District-approved portable analyzer may be used in lieu of a source test to demonstrate compliance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305 and 4306]

12. The permittee shall maintain records of the date and time of flue gas recirculation valve(s) settings, the observed setting, and the firing rate at the time of the flue gas recirculation valve(s) setting measurements. The records must also include a description of any corrective action taken to maintain the flue gas recirculation valve(s) setting within the acceptable range. [District Rules 4305 and 4306]

13. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4306. [District Rules 4305 and 4306]

14. Source testing to measure natural gas-combustion NOx and CO emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305 and 4306]

15. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306]

16. During the 36-month source testing interval, the owner/operator shall have unit tuned at least twice each calendar year, from four to eight months apart, in which it operates, by a technician that is qualified, to the satisfaction of the APCO, in accordance with the procedure described in Rule 4304 (Equipment Tuning Procedure for Boilers, Steam Generators, and Process Heaters). [District Rules 4305 and 4306]

17. If the unit does not operate throughout a continuous six-month period within a calendar year, only one tune-up is required for that calendar year. No tune-up is required for any unit that is not operated during that calendar year; this unit may be test fired to verify availability of the unit for its intended use, but once the test firing is completed the unit shall be shutdown. [District Rules 4305 and 4306]

18. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081]

19. NOx emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305 and 4306]

20. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305 and 4306]

21. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305 and 4306]

22. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305 and 4306]

23. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
24. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, and 4306]
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-1976-5-6
EXPIRATION DATE: 07/31/2012

EQUIPMENT DESCRIPTION:
63 MMBTU/HR INDUSTRIAL STEAM MODEL D-21-50 BOILER #1 WITH A TODD RAPID MIX ULTRA LOW NOX BURNER AND FLUE GAS RECIRCULATION (FGR)

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201]

3. The unit shall only be fired on PUC-regulated natural gas. [District Rule 2201]

4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]

5. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]

6. Emissions rates from the natural gas-fired unit shall not exceed any of the following limits: 9.0 ppmvd NOx @ 3% O2 or 0.011 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 50 ppmvd CO @ 3% O2 or 0.037 lb-CO/MMBtu, or 0.001 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, and 4351]

7. The flue gas recirculation valve(s) setting shall be monitored at least on a weekly basis. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last week. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rules 4305 and 4306]

8. The acceptable settings for the flue gas recirculation valve(s) shall be established by source testing this unit or other representative units per Rule 4305 and as approved by the District. The normal range/level shall be that for which compliance with applicable NOx and CO emissions rates have been demonstrated through source testing at a similar firing rate. [District Rules 4305 and 4306]

9. Normal range or level for the flue gas recirculation valve(s) settings shall be re-established during each source test required by this permit. [District Rules 4305 and 4306]

10. If the flue gas recirculation valve(s) setting is less than the normal range/level, the permittee shall return the flue gas recirculation valve(s) setting to the normal range/level as soon as possible, but no longer than 1 hour of operation after detection. If the flue gas recirculation valve(s) setting is not returned to the normal range/level within 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour, and conduct a source test within 60 days of the first exceedance, to demonstrate compliance with the applicable emission limits at the new flue gas recirculation valve(s) setting. A District-approved portable analyzer may be used in lieu of a source test to demonstrate compliance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305 and 4306]

These terms and conditions are part of the Facility-wide Permit to Operate.
11. The permittee shall maintain records of the date and time of flue gas recirculation valve(s) settings, the observed setting, and the firing rate at the time of the flue gas recirculation valve(s) setting measurements. The records must also include a description of any corrective action taken to maintain the flue gas recirculation valve(s) setting within the acceptable range. [District Rules 4305 and 4306]

12. During the 36-month source testing interval, the owner/operator shall have unit tuned at least twice each calendar year, from four to eight months apart, in which it operates, by a technician that is qualified, to the satisfaction of the APCO, in accordance with the procedure described in Rule 4304 (Equipment Tuning Procedure for Boilers, Steam Generators, and Process Heaters). [District Rule 4306]

13. If the unit does not operate throughout a continuous six-month period within a calendar year, only one tune-up is required for that calendar year. No tune-up is required for any unit that is not operated during that calendar year; this unit may be test fired to verify availability of the unit for its intended use, but once the test firing is completed the unit shall be shutdown. [District Rule 4306]

14. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4306. [District Rules 4305 and 4306]

15. Source testing to measure natural gas-combustion NOx and CO emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305 and 4306]

16. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306]

17. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081]

18. NOx emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305 and 4306]

19. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305 and 4306]

20. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305 and 4306]

21. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305 and 4306]

22. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]

23. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, and 4306]
PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201]
3. The unit shall only be fired on PUC-regulated natural gas. [District Rule 2201]
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
5. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
6. This unit is subject to the requirements of 40 CFR Part 60, Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units. [District Rule 4001]
7. This unit shall comply with the emission monitoring requirements for nitrogen oxides given in 40 CFR Part 60.48b. [District Rule 4001]
8. Emission rates from the unit shall not exceed 0.10 lb-NOx/MMBtu at any time, including periods of startup, shutdown, or malfunction. Compliance with this shall be determined by the EPA-approved alternate monitoring plan for this permit unit. [District Rule 4001]
9. Emissions rates from the natural gas-fired unit shall not exceed any of the following limits: 9.0 ppmvd NOx @ 3% O2 or 0.011 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 50 ppmvd CO @ 3% O2 or 0.037 lb-CO/MMBtu, or 0.001 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, and 4351]
10. The flue gas recirculation valve(s) setting shall be monitored at least on a weekly basis. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last week. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rules 4305 and 4306]
11. The acceptable settings for the flue gas recirculation valve(s) shall be established by source testing this unit or other representative units per Rule 4305 and as approved by the District. The normal range/level shall be that for which compliance with applicable NOx and CO emissions rates have been demonstrated through source testing at a similar firing rate. [District Rules 4305 and 4306]
12. Normal range or level for the flue gas recirculation valve(s) settings shall be re-established during each source test required by this permit. [District Rules 4305 and 4306]
13. If the flue gas recirculation valve(s) setting is less than the normal range/level, the permittee shall return the flue gas recirculation valve(s) setting to the normal range/level as soon as possible, but no longer than 1 hour of operation after detection. If the flue gas recirculation valve(s) setting is not returned to the normal range/level within 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour, and conduct a source test within 60 days of the first exceedance, to demonstrate compliance with the applicable emission limits at the new flue gas recirculation valve(s) setting. A District-approved portable analyzer may be used in lieu of a source test to demonstrate compliance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305 and 4306]

14. The permittee shall maintain records of the date and time of flue gas recirculation valve(s) settings, the observed setting, and the firing rate at the time of the flue gas recirculation valve(s) setting measurements. The records must also include a description of any corrective action taken to maintain the flue gas recirculation valve(s) setting within the acceptable range. [District Rules 4305 and 4306]

15. During the 36-month source testing interval, the owner/operator shall have unit tuned at least twice each calendar year, from four to eight months apart, in which it operates, by a technician that is qualified, to the satisfaction of the APCO, in accordance with the procedure described in Rule 4304 (Equipment Tuning Procedure for Boilers, Steam Generators, and Process Heaters). [District Rule 4306]

16. If the unit does not operate throughout a continuous six-month period within a calendar year, only one tune-up is required for that calendar year. No tune-up is required for any unit that is not operated during that calendar year; this unit may be test fired to verify availability of the unit for its intended use, but once the test firing is completed the unit shall be shutdown. [District Rule 4306]

17. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4306. [District Rules 4305 and 4306]

18. Source testing to measure natural gas-combustion NOx and CO emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305 and 4306]

19. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306]

20. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081]

21. NOx emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305 and 4306]

22. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305 and 4306]

23. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305 and 4306]

24. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305 and 4306]

25. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
26. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, and 4306]
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-1976-14-1
EXPIRATION DATE: 07/31/2012

EQUIPMENT DESCRIPTION:
102 BHP CUMMINS MODEL 4BT3.9-G4 DIESEL-FIRED EMERGENCY STANDBY ENGINE POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
4. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115]
6. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702]
7. This engine shall be operated using only CARB certified diesel fuel. [17 CCR 93115]
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]
9. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 30 hours per calendar year. [District Rule 4702 and 17 CCR 93115]
10. NOx emissions shall not exceed 6.9 g/hp-hr. [District Rule 2201]
11. The PM10 emissions rate shall not exceed 0.16 g/hp-hr based on US EPA certification using ISO 8178 test procedure. [District Rule 2201]
12. If this engine is located on the grounds of a K-12 school, or if this engine is located within 500 feet of the property boundary of a K-12 school, the engine shall not be operated for non-emergency purposes, including maintenance and testing, between 7:30 a.m. and 3:30 p.m. on days when school is in session. [17 CCR 93115]
13. If this engine is located on the grounds of a K-12 school, the engine shall not be operated for non-emergency purposes, including maintenance and testing, whenever there is a school sponsored activity. [17 CCR 93115]
14. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115]

15. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [17 CCR 93115]

16. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115]
PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]

2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]

3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

4. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115]

5. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]

6. This engine shall be operated using only CARB certified diesel fuel. [17 CCR 93115]

7. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702 and 17 CCR 93115]

8. If this engine is located on the grounds of a K-12 school, or if this engine is located within 500 feet of the property boundary of a K-12 school, the engine shall not be operated for non-emergency purposes, including maintenance and testing, between 7:30 a.m. and 3:30 p.m. on days when school is in session. [17 CCR 93115]

9. If this engine is located on the grounds of a K-12 school, the engine shall not be operated for non-emergency purposes, including maintenance and testing, whenever there is a school sponsored activity. [17 CCR 93115]

10. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115]

11. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [17 CCR 93115]

12. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115]
PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]

2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]

3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

4. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115]

5. This engine shall be operated using only CARB certified diesel fuel. [17 CCR 93115]

6. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702 and 17 CCR 93115]

7. If this engine is located on the grounds of a K-12 school, or if this engine is located within 500 feet of the property boundary of a K-12 school, the engine shall not be operated for non-emergency purposes, including maintenance and testing, between 7:30 a.m. and 3:30 p.m. on days when school is in session. [17 CCR 93115]

8. If this engine is located on the grounds of a K-12 school, the engine shall not be operated for non-emergency purposes, including maintenance and testing, whenever there is a school sponsored activity. [17 CCR 93115]

9. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115]

10. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [17 CCR 93115]

11. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115]

These terms and conditions are part of the Facility-wide Permit to Operate.
PERMIT UNIT: N-1976-21-1

EQUIPMENT DESCRIPTION:
DRY BEAN RECEIVING, PRECLEANING, AND STORAGE OPERATION CONSISTING OF A RECEIVING PIT WITH A MARTIN BOOT-LIFT RAILCAR CONNECTOR, CRIPPEN MFG. CO. CENTURY MODEL 88-DS BEAN CLEANER AND LMC DESTONER ALL SERVED BY A SIMATEK A/C MODEL JM 90/50-04 BAGHOUSE, FOUR 200-TON STORAGE SILOS AND ASSOCIATED CONVEYING EQUIPMENT

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
3. Visible emissions from the baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201]
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201]
5. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201]
6. The baghouse differential pressure shall be maintained in a range as recommended by the manufacturer. [District Rule 2201]
7. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201]
8. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201]
9. Material removed from the baghouse shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201]
10. The quantity of dry beans received shall not exceed 110 tons in any one day. [District Rule 2201]
11. The PM10 emissions from the dry bean receiving, cleaning, and storage operation shall not exceed 0.019 lb per ton of dry beans received. [District Rules 2201]
12. A daily record of the quantity of dry beans received (in tons) shall be kept on the premises. [District Rule 2201]
13. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070]

These terms and conditions are part of the Facility-wide Permit to Operate.
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-1976-22-1

EXPIRATION DATE: 07/31/2012

EQUIPMENT DESCRIPTION:
DRY BEAN CLEANING AND PROCESSING OPERATION CONSISTING OF A BEAN CLEANER, OLIVER MODEL 4848 AM DESTONER, AND TWO WEIGH HOPPERS ALL SERVED BY A DONALDSON CO., INC. MODEL 44 BAGHOUSE AND ASSOCIATED CONVEYING EQUIPMENT

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
3. Visible emissions from the baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201]
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201]
5. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201]
6. The baghouse differential pressure shall be maintained in a range as recommended by the manufacturer. [District Rule 2201]
7. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201]
8. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201]
9. Material removed from the baghouse shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201]
10. The quantity of dry beans processed shall not exceed 100 tons in any one day. [District Rule 2201]
11. The PM10 emissions from the dry bean cleaning and processing operation shall not exceed 0.0012 lb per ton of dry beans processed. [District Rules 2201]
12. A daily record of the quantity of dry beans processed (in tons) shall be kept on the premises. [District Rule 2201]
13. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070]

These terms and conditions are part of the Facility-wide Permit to Operate.