



OCT 31 2012

Tatiana Costa
Olam Tomato Processors Inc.
205 E. River Park Circle, Suite 310
Fresno, CA 93720-1572

**Re: Notice of Preliminary Decision - Federally Mandated Operating Permit
District Facility # C-1163
Project # C-1111863**

Dear Mr. Costa:

Enclosed for your review and comment is the District's analysis of Olam's application for the Federally Mandated Operating Permit for its tomato processing facility located at Lemoore, 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: Dennis Roberts, Permit Services Engineer

Attachments

Seyed Sadredin
Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95356-8718
Tel: (209) 557-6400 FAX: (209) 557-6475

Central Region (Main Office)
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244
Tel: (559) 230-6000 FAX: (559) 230-6061

Southern Region
34946 Flyover Court
Bakersfield, CA 93308-9725
Tel: 661-392-5500 FAX: 661-392-5585



OCT 31 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 # C-1163
Project # C-1111863**

Dear Mr. Rios:

Enclosed for your review and comment is the District's analysis of Olam's application for the Federally Mandated Operating Permit for its tomato processing facility located at Lemoore, 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: Dennis Roberts, Permit Services Engineer

Attachments

Seyed Sadredin
Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95356-8718
Tel: (209) 557-6400 FAX: (209) 557-6475

Central Region (Main Office)
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244
Tel: (559) 230-6000 FAX: (559) 230-6061

Southern Region
34946 Flyover Court
Bakersfield, CA 93308-9725
Tel: 661-392-5500 FAX: 661-392-5585



OCT 31 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 # C-1163
Project # C-1111863**

Dear Mr. Tollstrup:

Enclosed for your review and comment is the District's analysis of Olam's application for the Federally Mandated Operating Permit for its tomato processing facility located at Lemoore, 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: Dennis Roberts, Permit Services Engineer

Attachments

Seyed Sadredin
Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95356-8718
Tel: (209) 557-6400 FAX: (209) 557-6475

Central Region (Main Office)
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244
Tel: (559) 230-6000 FAX: (559) 230-6061

Southern Region
34946 Flyover Court
Bakersfield, CA 93308-9725
Tel: 661-392-5500 FAX: 661-392-5585

**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 Olam Tomato Processors Inc. for its tomato processing facility located at Lemoore, California.

The District's analysis of the legal and factual basis for this proposed action, project #C-1111863, 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

Olam Tomato Processors Inc.

PROPOSED ENGINEERING EVALUATION TABLE OF CONTENTS

Section.....	Page
<u>I. PROPOSAL</u>	1
<u>II. FACILITY LOCATION</u>	1
<u>III. EQUIPMENT LISTING</u>	1
<u>IV. GENERAL PERMIT TEMPLATE USAGE</u>	2
<u>V. SCOPE OF EPA AND PUBLIC REVIEW</u>	2
<u>VI. APPLICABLE REQUIREMENTS ADDRESSED BY GENERAL PERMIT TEMPLATES</u>	2
<u>VII. APPLICABLE REQUIREMENTS NOT ADDRESSED BY GENERAL PERMIT TEMPLATES</u>	3
<u>VIII. REQUIREMENTS NOT FEDERALLY ENFORCEABLE</u>	4
<u>IX. COMPLIANCE</u>	6
<u>X. PERMIT SHIELD</u>	47
<u>XI. PERMIT CONDITIONS</u>	48

ATTACHMENT A – DETAILED FACILITY PRINTOUT
ATTACHMENT B – EXEMPT EQUIPMENT
ATTACHMENT C – CURRENT SJVUAPCD PERMITS

TITLE V APPLICATION REVIEW

Project #: C-1111863
Deemed Complete: June 14, 2011

Engineer: Dennis Roberts
Date: October 29, 2012

Facility Number: C-1163
Facility Name: Olam Tomato Processors Inc.
Mailing Address: 205 E. River Park Circle, Suite 310
Fresno, CA 93720-1572

Contact Name: Tatiana Costa
Phone: (559) 7467

Responsible Official: Steven S. Power
Title: Senior Director of Operations

I. PROPOSAL

Olam Tomato Processors Inc. is proposing that an initial Title V permit be issued for its existing tomato processing facility in Lemoore, 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

Olam Tomato Processors Inc. is located at 1175 S. 19th Avenue, Lemoore in Kings 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 permit C-1163-0-1. 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 C-1163-0-1.

VI. APPLICABLE REQUIREMENTS ADDRESSED BY GENERAL PERMIT TEMPLATES

District Rule 1100, Equipment Breakdown (amended December 17, 1992) (Non-SIP replacement for Kern County Rule 111)

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

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

District Rule 2020, Exemptions (amended December 20, 2007)¹

District Rule 2031, Transfer of Permits (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 2080, Conditional Approval (amended December 17, 1992)
District Rule 2520, Sections 5.2, 9.1.1, 9.4, 9.5, 9.7, 9.8, 9.9, 9.13.1, 9.13.2, 9.16 and 10.0, Federally Mandated Operating Permits (amended June 21, 2001)
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)
District Rule 8071, Unpaved Vehicle/Equipment Traffic Areas (amended September 16, 2004)
40 CFR Part 82, Subpart B and F, Stratospheric Ozone
40 CFR Part 61, Subpart M, National Emission Standard for Asbestos

VII. APPLICABLE REQUIREMENTS NOT ADDRESSED BY GENERAL PERMIT TEMPLATES

District Rule 2201, New and Modified Stationary Source Review Rule (amended April 21, 2011)
District Rule 2520, Federally Mandated 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 December 19, 1996 ⇒ amended August 21, 2003)

District Rule 4306, Boilers, Steam Generators and Process Heaters – Phase 3
(adopted September 18, 2003 ⇒ amended October 16, 2008)

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

District Rule 4702, Internal Combustion Engines – Phase 2
(adopted August 21, 2003 ⇒ amended August 18, 2011)

40 CFR Part 60, Subpart Db, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units (amended February 16, 2012)

40 CFR Part 60, Subpart Dc, Standards of Performance Small Industrial-Commercial-Institutional Steam Generating Units (amended February 16, 2012)

40 CFR Part 63, Subpart JJJJJJ—National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources (amended March 21, 2011)

40 CFR Part 60 Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (amended June 28, 2011)

40 CFR Part 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (amended March 21, 2011)

40 CFR Part 64 – Compliance Assurance Monitoring (CAM) (October 22, 1977)

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 (amended December 17, 1992)

For this facility,

C-1163-0-1:
Facility-Wide Requirements

- Condition 41 of the facility-wide requirements is based on the rule listed above and is not Federally Enforceable through Title V.

C-1163-18-1:
4,157 BHP DEUTZ GMBH MODEL TBG632V16 LEAN-BURN NATURAL GAS-FIRED IC ENGINE WITH SELECTIVE CATALYTIC REDUCTION (SCR) AND CO & VOC CATALYSTS, POWERING AN ELECTRICAL GENERATOR

- Conditions 2 and 3 of the requirements for this permit unit are completely based on the rule listed above and are not Federally Enforceable through Title V.

C-1163-1-10:

89.1 MMBTU/HR CLEAVER BROOKS MODEL DL-94 NATURAL GAS-FIRED BOILER WITH A TODD MODEL MISERPAK LOW NOX BURNER AND A HITACHI SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM

- Conditions 8 and 21-23 the requirements for this permit unit are completely based on the rule listed above and are not Federally Enforceable through Title V.
- Conditions 13 and 28 of the requirements for this permit unit are partially based on the rule listed above. However, they are Federally Enforceable through Title V since they reference other federally enforceable requirements which will be discussed under the applicable sections of this document..

C-1163-3-8:

180.06 MMBTU/HR CLEAVER BROOKS MODEL DFE-E NATURAL GAS-FIRED BOILER WITH COEN/TODD VARIFLAME LOW NOX BURNER, FLUE GAS RECIRCULATION SYSTEM AND SCR SYSTEM

- Conditions 10, 21 and 25 of the requirements for this permit unit are completely based on the rule listed above and are not Federally Enforceable through Title V.
- Conditions 12, 22-24 and 27 of the requirements for this permit unit are partially based on the rule listed above. However, they are Federally Enforceable through Title V since they reference other federally enforceable requirements which will be discussed under the applicable sections of this document..

C-1163-19-1:

99.8 MMBTU/HR BABCOCK & WILCOX BOILER MODEL FM103-79 NATURAL GAS-FIRED BOILER WITH A LOW-NOX BURNER AND A SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM

- Conditions 8, 19 and 23 of the requirements for this permit unit are completely based on the rule listed above and are not Federally Enforceable through Title V.
- Conditions 10, 20-22 and 25 of the requirements for this permit unit are partially based on the rule listed above. However, they are Federally Enforceable through Title V since they reference other federally enforceable

requirements which will be discussed under the applicable sections of this document..

17 CCR 93115 ATCM for Stationary Compression Ignition Engines

Adopted: February 26, 2004; Revised, effective October 18, 2007

C-1163-18.0:

4,157 BHP DEUTZ GMBH MODEL TBG632V16 LEAN-BURN NATURAL GAS-FIRED IC ENGINE WITH SELECTIVE CATALYTIC REDUCTION (SCR) AND CO & VOC CATALYSTS, POWERING AN ELECTRICAL GENERATOR

- Conditions 1, 5-7, 10, and 13-15 of the requirements for this permit unit are partially based on the rule listed above. However, they are Federally Enforceable through Title V since they reference other federally enforceable requirements which will be discussed under the applicable sections of this document.

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. New and Modified Stationary Source Review Rule (District NSR Rule)

The permit units are subject to the District NSR Rule 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.

C-1163-1-10:

89.1 MMBTU/HR CLEAVER BROOKS MODEL DL-94 NATURAL GAS-FIRED BOILER WITH A TODD MODEL MISERPAK LOW NOX BURNER AND A HITACHI SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM

- Conditions 1, 5-8, 9, 11, 12, 15, 29, and 31 from the current PTO have been included as conditions 1, 3-7, 9, 10, 13, 27 and 29 of the requirements for the proposed permit.

C-1163-2-11:

91 MMBTU/HR CLEAVER BROOKS MODEL DL-94 NATURAL GAS-FIRED BOILER WITH A NATCOM LOW NOX BURNER AND VFD CONTROLLED INDUCED FGR

- Conditions 4, 5, 7, 8, 11, and 12 from the current PTO have been included as conditions 2, 3, 5, 6, 9 and 10 of the requirements for the proposed permit.

C-1163-3-8:

180.06 MMBTU/HR CLEAVER BROOKS MODEL DFE-E NATURAL GAS-FIRED BOILER WITH COEN/TODD VARIFLAME LOW NOX BURNER, FLUE GAS RECIRCULATION SYSTEM AND SCR SYSTEM

- Conditions 5, 6, 7 and 9 from the current PTO have been included as conditions 2-4, 6, 8, 9, 11 and 28 of the requirements for the proposed permit.

C-1163-8-3:

120 MMBTU/HR NEBRASKA MODEL NOS-2A-67 NATURAL GAS-FIRED BOILER WITH NATCOM BURNER MODEL P-120-G-32-1824 AND FLUE GAS RECIRCULATION SYSTEM

- Conditions 5-7, 9, and 10 from the current PTO have been included as conditions 2-4, 6 and 7 of the requirements for the proposed permit.

C-1163-12-2:

11.814 MMBTU/HR CLAYTON MODEL SEG304-1-LNB NATURAL GAS-FIRED BOILER WITH CLAYTON MODEL UH-29990 LOW NOX BURNER

- Conditions 5-9 and 24 from the current PTOs have been included as conditions 2-6 and 21 of the requirements for the proposed permits.

C-1163-13-2:

8.066 MMBTU/HR CLAYTON MODEL SEG-204-1-LNB NATURAL GAS-FIRED BOILER WITH CLAYTON MODEL UH-29873 LOW NOX BURNER

- Conditions 5-9 and 23 from the current PTO have been included as conditions 2-6 and 20 of the requirements for the proposed permit.

C-1163-18-1:

904 BHP VOLVO MODEL TWD1643GE TIER 2 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

- Conditions 7-9 from the current PTO have been included as conditions 5-7 of the requirements for the proposed permit.

C-1163-19-1:

99.8 MMBTU/HR BABCOCK & WILCOX BOILER MODEL FM103-79 NATURAL GAS-FIRED BOILER WITH A LOW-NOX BURNER AND A SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM

- Conditions 4-9, 11 and 28 from the current PTOs have been included as conditions 2-7, 9 and 26 of the requirements for the proposed permits.

2. District Rule 2520, Federally Mandated Operating Permits

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.

3. District Rule 4201, Particulate Matter Concentration

Section 3.1 of this rule requires emissions to be at or below 0.1 grains of particulate matter per dry standard cubic foot of exhaust gas.

Section 3.1 prohibits discharge of dust, fumes, or total particulate matter into the atmosphere from any single source operation in excess of 0.1 grain per dry standard cubic foot.

C-1163-1-10, '-2-11', '-3-8, '-8-3, '-12-2, '-13-2 and '-19-1 (All boilers at this facility)

F-Factor for NG: 8,578 dscf/MMBtu at 60 °F
 PM10 Emission Factor: 0.0076lb-M10/MMBtu
 Percentage of PM as PM10 in Exhaust: 100%
 Exhaust Oxygen (O₂) Concentration: 3%
 Excess Air Correction to F Factor = $\frac{0.2095 - 3\%}{0.2095} = 1.17$

$$GL = \left(\frac{0.0076 \text{ lb} - \text{PM}}{\text{MMBtu}} \times \frac{7,000 \text{ grain}}{\text{lb} - \text{PM}} \right) / \left(\frac{8,578 \text{ ft}^3}{\text{MMBtu}} \times 1.17 \right)$$

$$GL = 0.0053 \text{ grain/dscf} < 0.1 \text{ grain/dscf}$$

Therefore, compliance with District Rule 4201 requirements is expected.

- Condition 1 of the requirements for these permit units assures compliance with this rule.

C-1163-18.0:

4,157 BHP DEUTZ GMBH MODEL TBG632V16 LEAN-BURN NATURAL GAS-FIRED IC ENGINE WITH SELECTIVE CATALYTIC REDUCTION (SCR) AND CO & VOC CATALYSTS, POWERING AN ELECTRICAL GENERATOR

F-Factor for NG: 8,578 dscf/MMBtu at 60 °F
 PM10 Emission Factor: 0.07 lb-M10/MMBtu
 Percentage of PM as PM10 in Exhaust: 96%
 Exhaust Oxygen (O₂) Concentration: 0% (conservative)

Particulate matter emissions from each engine will be less than or equal to the rule limit of 0.1 grain per cubic foot of gas at dry standard conditions as shown by the following:

$$0.07 \frac{\text{g} - \text{PM}_{10}}{\text{bhp} - \text{hr}} \times \frac{1 \text{ g} - \text{PM}}{0.96 \text{ g} - \text{PM}_{10}} \times \frac{1 \text{ bhp} - \text{hr}}{2,542.5 \text{ Btu}} \times \frac{10^6 \text{ Btu}}{8,578 \text{ dscf}} \times \frac{0.35 \text{ Btu}_{\text{out}}}{1 \text{ Btu}_{\text{in}}} \times \frac{15.43 \text{ grain}}{\text{g}} = 0.018 \frac{\text{grain} - \text{PM}}{\text{dscf}}$$

Since 0.018 grain-PM/dscf is ≤ to 0.1 grain per dscf, compliance with Rule 4201 is expected.

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

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

The purpose of this rule is to limit emissions oxides of nitrogen (NO_x) and carbon monoxide (CO) from the operation of boilers, steam generators, and process heaters rated at greater than 5.0 MMBtu/hr. The facility operates seven boilers with heat input ratings greater than 5.0 MMBtu/hr. *Therefore, the requirements of this rule apply to the boilers operating under permits C-1163-1-10, '-2-11' '-3-8, '-8-3, '-12-2, '-13-2 and '-19-1.*

Section 5.1.1 requires that except for units subject to Sections 5.2, NO_x emissions shall not exceed the limits specified in the following table. All ppmv emission limits specified in this section are referenced at dry stack gas conditions and 3.00 percent by volume stack gas oxygen. Emission concentrations shall be corrected to 3.00 percent oxygen in accordance with Section 8.1.

	Operated on gaseous fuel	Operated on liquid fuel
	NO _x Limit	NO _x Limit
For all units, except box or cabin type units and vertical cylindrical process heaters.	30 ppmv or 0.036 lb/MMBtu	40 ppmv or 0.052 lb/MMBtu
For box or cabin type units, and vertical cylindrical process heaters.	147 ppmv or 0.18 lb/MMBtu	155 ppmv or 0.2 lb/MMBtu

Compliance is assured with the following conditions:

C-1163-1-10	Condition 7
C-1163-2-11	Condition 10
C-1163-3-8	Condition 8
C-1163-8-3	Condition 7
C-1163-12-2	Condition 6
C-1163-13-2	Condition 6
C-1163-19-1	Condition 6

Section 5.1.2 applies to units operated on combinations of gaseous fuel and liquid fuel. No units at this facility are permitted to operate on combinations of gaseous and liquid fuels. Therefore, this section is not applicable.

Section 5.2 states that each unit that is operated with an annual heat input less than 30 billion Btu per calendar, as made enforceable by permit to operate, shall comply with one of the following:

- 5.2.1 tune the unit at least once each calendar year in which it operates by a qualified technician in accordance with the procedure described in Rule 4304; or
- 5.2.2 operate the unit in a manner that maintains exhaust oxygen concentrations at less than or equal to 3.00 percent by volume on a dry basis; or
- 5.2.3 operate the unit in compliance with the applicable emission requirements of Section 5.1 and 5.3.

All boilers operated at this facility all have a heat input limit greater than 30 billion Btu per calendar year. Therefore, this section is not applicable.

Section 5.3 states that for units subject to section 5.1, carbon monoxide emissions shall not exceed 400 ppmv.

Compliance is assured with the following conditions:

C-1163-1-10	Condition 7
C-1163-2-11	Condition 10
C-1163-3-8	Condition 8
C-1163-8-3	Condition 7
C-1163-12-2	Condition 6
C-1163-13-2	Condition 6
C-1163-19-1	Condition 6

Section 5.4.1 applies to any unit which simultaneously fires gaseous and liquid fuels, and is subject to the requirements of Section 5.1. No units fire simultaneously on gaseous and liquid fuels. Therefore, this section is not applicable.

Section 5.4.2 requires the operator of any unit subject to the emissions limits specified in Section 5.1 to install and maintain Continuous Emissions Monitoring (CEMS) for NO_x, CO and O₂, or implement an APCO-approved Alternate Monitoring System.

In order to satisfy the monitoring requirements of District Rules 4305, 4306 and 4320, all boilers at this facility are subject to pre-approved alternate monitoring scheme A (pursuant to District Policy SSP-1105), which requires monitoring of the NO_x, CO, and O₂ exhaust concentrations be conducted at least once per month (in which a source test is not performed) using a portable analyzer.

Compliance is assured with the following conditions:

C-1163-1-10	Condition 24-25
C-1163-2-11	Condition 22-23
C-1163-3-8	Condition 22-23
C-1163-8-3	Condition 17-18
C-1163-12-2	Condition 7-8
C-1163-13-2	Condition 7-8
C-1163-19-1	Condition 20-21

Section 5.4.3 states that for units subject to the requirements of Section 5.2.1 or 5.2.2, monitor operational characteristics recommended by the manufacturer and approved by the APCO. The units operated at this facility are not subject to Sections 5.2.1 or 5.2.2. Therefore, this section is not applicable.

Section 5.4.4 states that the operator of any unit subject to Section 5.2.1 or 5.2.2 shall install and maintain an operational non-resettable, totalizing mass or volumetric flow meter in each fuel line to each unit. Volumetric flow measurements shall be periodically compensated for temperature and pressure. A master meter, which measures fuel to all units in a group of similar units, may satisfy these requirements if approved by the APCO in writing. The cumulative annual fuel usage may be verified from utility service meters, purchase or tank fill records, or other acceptable methods, as approved by the APCO. None of the units operated at this facility are subject to Section 5.2.1. Therefore, this section is not applicable.

Section 5.5.1 requires that 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).

Compliance is assured with the following conditions:

C-1163-1-10	Condition 14
C-1163-2-11	Condition 20
C-1163-3-8	Condition 24
C-1163-8-3	Condition 15
C-1163-12-2	Condition 13
C-1163-13-2	Condition 13
C-1163-19-1	Condition 12

Section 5.5.2 requires that 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.

Compliance is assured with the following conditions:

C-1163-1-10	Condition 12
C-1163-2-11	Condition 21
C-1163-3-8	Condition 15
C-1163-8-3	Condition 16
C-1163-12-2	Condition 11
C-1163-13-2	Condition 11
C-1163-19-1	Condition 13

Section 5.5.3 states that all continuous emissions monitoring system (CEMS) emission measurements shall be averaged over a period of 15 consecutive minutes to demonstrate compliance with the applicable emission limits of this rule. Any 15-consecutive-minute block average CEMS measurement exceeding the applicable emission limits of this rule shall constitute a violation of this rule. No units at this facility operate a CEMS. Therefore, the requirements of this section are not applicable..

Section 5.5.4 requires that for emissions monitoring pursuant to Sections 5.4.2, 5.4.2.1, and 6.3.1 using a portable NO_x 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.

Compliance is assured with the following condition:

C-1163-1-10	Condition 26
C-1163-2-11	Condition 27
C-1163-3-8	Condition 24
C-1163-8-3	Condition 19
C-1163-12-2	Condition 9
C-1163-13-2	Condition 9
C-1163-19-1	Condition 22

Section 5.5.5 requires that 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.

Compliance is assured with the following conditions:

C-1163-1-10	Condition 19
C-1163-2-11	Condition 16
C-1163-3-8	Condition 14
C-1163-8-3	Condition 14
C-1163-12-2	Condition 18
C-1163-13-2	Condition 18
C-1163-19-1	Condition 14

Section 5.5.6 establishes the requirements for units subject to startup and shutdown requirements. Section 5.5.6 states that the applicable emission limits of Sections 5.1 shall not apply during start-up or shutdown provided an operator complies with the requirements specified in below.

- 5.5.6.1 The duration of each start-up or each shutdown shall not exceed two hours.
- 5.5.6.2 The emission control system shall be in operation and emissions shall be minimized insofar as technologically feasible during start-up or shutdown.
- 5.5.6.3 Notwithstanding the requirement of Section 5.5.6.1, an operator may submit an application to a Permit to Operate condition to allow more than two hours for each start-up or each shutdown provided the operator meets all of the conditions in specified in Sections 5.5.6.3.1 through 5.5.6.4.

For C-1163-1-10, '-3-8 and '-19-1, the District has approved special startup and shutdown emission rates:

Compliance is assured with the following condition:

C-1163-1-10	Condition 7, 9-11
C-1163-3-8	Condition 9, 11
C-1163-19-1	Condition 7, 9

Section 6.1 requires that the records required by Sections 6.1.1 through 6.1.5 shall be maintained for five calendar years and shall be made available to the APCO upon request. Failure to maintain records or information contained in the records that demonstrate noncompliance with the applicable requirements of this rule shall constitute a violation of this rule.

Compliance is assured with the following conditions:

C-1163-1-10	Condition 30
C-1163-2-11	Condition 31
C-1163-3-8	Condition 29
C-1163-8-3	Condition 24
C-1163-12-2	Condition 25
C-1163-13-2	Condition 24
C-1163-19-1	Condition 27

Section 6.1.1 applies to units operated under the exemption of Section 4.2. No units operate under the exemption in Section 4.2. Therefore the requirements in this section are not applicable.

Section 6.1.2 applies to units operated under the exemption of Section 4.3. No units operate under the exemption in Section 4.3. Therefore the requirements in this section are not applicable.

Section 6.1.3 requires that the operator of any unit subject to Section 5.2.1 or 5.2.2 shall record the amount of fuel use on a monthly basis for each unit. Both units operated at this facility are not subject to the requirements of Sections 5.2.1 or 5.2.2. Therefore, the requirements in this section are not applicable.

Section 6.1.4 requires that the operator of a unit subject to Section 5.2.1 or 6.3.1 shall maintain records to verify that the required tune-up and the required monitoring of the operational characteristics have been performed. None of the units in this project are subject to Section 5.2.1. Therefore, the requirements of this section are not applicable.

Section 6.1.4 requires that the operator performing start-up or shutdown of a unit pursuant to Section 5.5.6 shall keep records of the duration of start-up or shutdown.

For C-1163-1-10, '-3-8 and '-19-1, the District has approved special startup and shutdown emission rates.

Compliance is assured with the following condition:

C-1163-1-10	Condition 11
C-1163-3-8	Condition 11
C-1163-19-1	Condition 9

Section 6.2 identifies the following test methods as District-approved source testing methods for the pollutants listed:

Pollutant	Units	Test Method Required
NO _x	ppmv	EPA Method 7E or ARB Method 100
NO _x	lb/MMBtu	EPA Method 19
CO	ppmv	EPA Method 10 or ARB Method 100
Stack Gas O ₂	%	EPA Method 3 or 3A, or ARB Method 100
Stack Gas Velocities	ft/min	EPA Method 2
Stack Gas Moisture Content	%	EPA Method 4

Compliance is assured with the following conditions:

C-1163-1-10	Condition 16-18
C-1163-2-11	Condition 14-16
C-1163-3-8	Condition 18-20
C-1163-8-3	Condition 9-11
C-1163-12-2	Condition 15-17
C-1163-13-2	Condition 15-17
C-1163-19-1	Condition 16-18

Section 6.3.1 requires that each unit subject to the requirements of 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. Units that demonstrate compliance on two consecutive 12-month source tests may defer the following 12-month source test up to 36 months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits specified in Sections 5.1 or 5.2.3, the source testing frequency shall revert to at least once every 12 months.

Compliance is assured with the following conditions:

C-1163-1-10	Condition 13
C-1163-2-11	Condition 13
C-1163-3-8	Condition 12
C-1163-8-3	Condition 8
C-1163-12-2	Condition 12
C-1163-13-2	Condition 12
C-1163-19-1	Condition 10

Section 6.3.2 states that in lieu of compliance with Section 6.3.1, compliance with the applicable limits in Sections 5.1 or 5.2.3 shall be demonstrated by submittal of annual emissions test results to the District from a unit or units that represents a group of units. The facility has not proposed representative testing. Therefore this section is not applicable.

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

The purpose of this rule is to limit emissions oxides of nitrogen (NO_x) and carbon monoxide (CO) from the operation of boilers, steam generators, and process heaters rated at greater than 5.0 MMBtu/hr. The facility operates a total of seven boilers, all with heat input ratings greater than 5.0 MMBtu/hr. *Therefore, the requirements of this rule apply to the boilers operating under permits C-1163-1-10, '2-11' '3-8, '8-3, '12-2, '13-2 and '19-1.*

Section 5.1.1 requires that except for units subject to Sections 5.2, NO_x and carbon monoxide (CO) emissions shall not exceed the limits specified in the following table. All ppmv emission limits specified in this section are referenced at dry stack gas conditions and 3.00 percent by volume stack gas oxygen. Emission concentrations shall be corrected to 3.00 percent oxygen in accordance with Section 8.1.

Permit units C-1163-12-2 and 13-2 fall in to Category A.

Category	Operated on gaseous fuel		Operated on liquid fuel	
	NO _x Limit	CO Limit	NO _x Limit	CO Limit
A. Units with a rated heat input equal to or less than 20.0 MMBtu/hr, except for Categories C, D, E, F, G, H, and I units	15 ppmv or 0.018 lb/MMBtu	400 ppmv	40 ppmv or 0.052 lb/MMBtu	400 ppmv

All other boilers operated at this facility fall in to Category B.

Category	Operated on gaseous fuel		Operated on liquid fuel	
	NO _x Limit	CO Limit	NO _x Limit	CO Limit
B. Units with a rated heat input greater than 20.0 MMBtu/hr, except for Categories C, D, E, F, G, H, and I units	9 ppmv or 0.011 lb/MMBtu	400 ppmv	40 ppmv or 0.052 lb/MMBtu	400 ppmv

Compliance is assured with the following conditions:

C-1163-1-10	Condition 7
C-1163-2-11	Condition 10
C-1163-3-8	Condition 8
C-1163-8-3	Condition 7
C-1163-12-2	Condition 6

C-1163-13-2	Condition 6
C-1163-19-1	Condition 6

Section 5.1.2 applies to units operated on combinations of gaseous fuel and liquid fuel. No units at this facility are permitted to operate on combinations of gaseous and liquid fuels. Therefore, this section is not applicable.

Section 5.2 applies to units that are limited to less than 9 billion Btu per calendar year heat input. No units at this facility are limited to less than 9 billion Btu per calendar year heat input. Therefore, this section is not applicable.

Section 5.3 establishes the requirements for units subject to startup and shutdown requirements. Permit units C-447-1, '-2, '-3 and '-4 all contain startup and shutdown provisions. Therefore, these units are subject to the requirements of this section. Section 5.3 states that the applicable emission limits of Sections 5.1 shall not apply during start-up or shutdown provided an operator complies with the requirements specified in below.

- 5.5.7 The duration of each start-up or each shutdown shall not exceed two hours, except as provided in Section 5.3.3.
- 5.5.8 The emission control system shall be in operation and emissions shall be minimized insofar as technologically feasible during start-up or shutdown.
- 5.5.9 Notwithstanding the requirement of Section 5.3.1, an operator may submit an application to a Permit to Operate condition to allow more than two hours for each start-up or each shutdown provided the operator meets all of the conditions in specified in Sections 5.3.3.1 through 5.3.3.3.

For C-1163-1-10, '-3-8 and '-19-1, the District has approved special startup and shutdown emission rates:

For C-1163-1-10, '-3-8 and '-19-1, the District has approved special startup and shutdown emission rates:

Compliance is assured with the following condition:

C-1163-1-10	Condition 7, 9-11
C-1163-3-8	Condition 9, 11
C-1163-19-1	Condition 7, 9

Section 5.4.1 applies to any unit which simultaneously fires gaseous and liquid fuels, and is subject to the requirements of Section 5.1. No units fire simultaneously on gaseous and liquid fuels. Therefore, this section is not applicable.

Section 5.4.2 requires the operator of any unit subject to the emissions limits specified in Section 5.1 to install and maintain Continuous Emissions Monitoring (CEMS) for NO_x, CO and O₂, or implements an APCO-approved Alternate Monitoring System.

In order to satisfy the monitoring requirements of District Rules 4305, 4306 and 4320, all boilers at this facility are subject to pre-approved alternate monitoring scheme A (pursuant to District Policy SSP-1105), which requires monitoring of the NO_x, CO, and O₂ exhaust concentrations be conducted at least once per month (in which a source test is not performed) using a portable analyzer.

Compliance is assured with the following conditions:

C-1163-1-10	Condition 24-25
C-1163-2-11	Condition 21-22
C-1163-3-8	Condition 22-23
C-1163-8-3	Condition 17-18
C-1163-12-2	Condition 7-8
C-1163-13-2	Condition 7-8
C-1163-19-1	Condition 20-21

Section 5.4.3 applies to units subject to Section 5.2. No units are subject to Section 5.2. Therefore, this section does not apply.

Section 5.4.4 states that the operator of any Category H unit listed in Section 5.1.1, Table 1 and any unit subject to Section 5.2.1 or 5.2.2 shall install and maintain an operational non-resettable, totalizing mass or volumetric flow meter in each fuel line to each unit. Volumetric flow measurements shall be periodically compensated for temperature and pressure. A master meter, which measures fuel to all units in a group of similar units, may satisfy these requirements if approved by the APCO in writing. The cumulative annual fuel usage may be verified from utility service meters, purchase or tank fill records, or other acceptable methods, as approved by the APCO. None of the units operated at this facility are subject to Category H of Section 5.1. Therefore, the requirements of this section are not applicable.

Section 5.5.1 requires that 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).

Compliance is assured with the following conditions:

C-1163-1-10	Condition 14
C-1163-2-11	Condition 20
C-1163-3-8	Condition 14
C-1163-8-3	Condition 15
C-1163-12-2	Condition 13
C-1163-13-2	Condition 13
C-1163-19-1	Condition 12

Section 5.5.2 requires that 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.

Compliance is assured with the following conditions:

C-1163-1-10	Condition 12
C-1163-2-11	Condition 21
C-1163-3-8	Condition 15
C-1163-8-3	Condition 16
C-1163-12-2	Condition 11
C-1163-13-2	Condition 11
C-1163-19-1	Condition 13

Section 5.5.3 states that all continuous emissions monitoring system (CEMS) emission measurements shall be averaged over a period of 15 consecutive minutes to demonstrate compliance with the applicable emission limits of this rule. Any 15-consecutive-minute block average CEMS measurement exceeding the applicable emission limits of this rule shall constitute a violation of this rule. No units at this facility operate a CEMS. Therefore, the requirements of this section are not applicable.

Section 5.5.4 requires that for emissions monitoring pursuant to Sections 5.4.2, 5.4.2.1, and 6.3.1 using a portable NO_x 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.

Compliance is assured with the following condition:

C-1163-1-10	Condition 26
C-1163-2-11	Condition 27
C-1163-3-8	Condition 24
C-1163-8-3	Condition 19
C-1163-12-2	Condition 9
C-1163-13-2	Condition 9
C-1163-19-1	Condition 22

Section 5.5.5 requires that 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.

Compliance is assured with the following conditions:

C-1163-1-10	Condition 17
C-1163-2-11	Condition 19
C-1163-3-8	Condition 16
C-1163-8-3	Condition 14
C-1163-12-2	Condition 18
C-1163-13-2	Condition 18
C-1163-19-1	Condition 14

Section 6.1 requires that the records required by Sections 6.1.1 through 6.1.4 shall be maintained for five calendar years and shall be made available to the APCO upon request. Failure to maintain records or information contained in the records that demonstrate noncompliance with the applicable requirements of this rule shall constitute a violation of this rule.

Compliance is assured with the following condition:

C-1163-1-10	Condition 30
C-1163-2-11	Condition 31
C-1163-3-8	Condition 29
C-1163-8-3	Condition 24
C-1163-12-2	Condition 25
C-1163-13-2	Condition 24
C-1163-19-1	Condition 27

Section 6.1.1 applies to units operated under the exemption of Section 4.2. The operator of any unit operated under the exemption of Section 4.2 shall monitor and record for each unit the cumulative annual hours of operation on

each fuel other than natural gas during periods of natural gas curtailment and equipment testing. The NOx emission concentration (in ppmv or lb/MMBtu) for each unit that is operated during periods of natural gas curtailment shall be recorded. Failure to maintain records required by Section 6.1.1 or information contained in the records that demonstrates noncompliance with the conditions for exemption under Section 4.2 will result in loss of exemption status. On and after the applicable compliance schedule specified in Section 7.0, any unit losing an exemption status shall be brought into full compliance with this rule as specified in Section 7.3.

Section 6.1.1 is applicable only to permit unit C-1163-2-11. Compliance is assured by the following condition on the permit:

C-1163-2-11	Condition 25
-------------	--------------

Section 6.1.2 requires that the operator of any Category H unit listed in Section 5.1.1 Table 1 and any unit subject to Section 5.2 shall record the amount of fuel use at least on a monthly basis. None of the units operated at this facility are subject Category H of Section 5.1. Therefore, the requirements of this section are not applicable.

Section 6.1.3 requires that the operator of a unit subject to Section 5.2.1 or 6.3.1 shall maintain records to verify that the required tune-up and the required monitoring of the operational characteristics have been performed. The units operated at this facility are not subject to the requirements of Section 5.2.1 or the tune-up and monitoring requirements of Section 6.3.1. Therefore, the requirements in this section are not applicable.

Section 6.1.4 requires that the operator performing start-up or shutdown of a unit shall keep records of the duration of start-up or shutdown.

Compliance is assured with the following conditions:

C-1163-1-10	Condition 11
C-1163-2-11	Condition 30
C-1163-3-8	Condition 11
C-1163-8-3	Condition 23
C-1163-12-2	Condition 24
C-1163-13-2	Condition 23
C-1163-19-1	Condition 9

Section 6.2 identifies the following test methods as District-approved source testing methods for the pollutants listed:

Pollutant	Units	Test Method Required
NO _x	ppmv	EPA Method 7E or ARB Method 100
NO _x	lb/MMBtu	EPA Method 19
CO	ppmv	EPA Method 10 or ARB Method 100
Stack Gas O ₂	%	EPA Method 3 or 3A, or ARB Method 100
Stack Gas Velocities	ft/min	EPA Method 2
Stack Gas Moisture Content	%	EPA Method 4

Compliance is assured with the following conditions:

C-1163-1-10	Condition 16-18
C-1163-2-11	Condition 14-16
C-1163-3-8	Condition 18-20
C-1163-8-3	Condition 9-11
C-1163-12-2	Condition 15-17
C-1163-13-2	Condition 15-17
C-1163-19-1	Condition 16-18

Section 6.3.1 requires that each unit subject to the requirements of 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. Units that demonstrate compliance on two consecutive 12-month source tests may defer the following 12-month source test up to 36 months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits specified in Sections 5.1 or 5.2.3, the source testing frequency shall revert to at least once every 12 months.

Compliance is assured with the following conditions:

C-1163-1-10	Condition 13
C-1163-2-11	Condition 13
C-1163-3-8	Condition 12
C-1163-8-3	Condition 8
C-1163-12-2	Condition 12
C-1163-13-2	Condition 12
C-1163-19-1	Condition 10

Section 6.3.2 states that in lieu of compliance with Section 6.3.1, compliance with the applicable limits in Sections 5.1 or 5.2.3 shall be demonstrated by submittal of annual emissions test results to the District from a unit or units that

represents a group of units. The facility has not proposed representative testing. Therefore this section is not applicable.

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

This rule limits NO_x, CO, SO₂, and PM₁₀ emissions from boilers, steam generators and process heaters rated greater than 5 MMBtu/hr. This rule also provides a compliance option of payment of fees in proportion to the actual amount of NO_x emitted over the previous year. The facility operates a total of seven boilers, all with heat input ratings greater than 5.0 MMBtu/hr. *Therefore, the requirements of this rule apply to the boilers operating under permits C-1163-1-10, '-2-11' '-3-8, '-8-3, '-12-2, '-13-2 and '-19-1.*

Section 5.1 states that an operator of a unit(s) subject to this rule shall comply with all applicable requirements of the rule and one of the following, on a unit-by-unit basis:

- 5.1.1 Operate the unit to comply with the emission limits specified in Sections 5.2 and 5.4; or
- 5.1.2 Pay an annual emissions fee to the District as specified in Section 5.3 and comply with the control requirements specified in Section 5.4; or
- 5.1.3 Comply with the applicable Low-use Unit requirements of Section 5.5.

Permit units C-1163-1-10, '-2-11' '-3-8, '-8-3, and '-19-1 are designated to comply with the emission limits specified in Sections 5.2 and 5.4. Permit units C-1163-8-3, '-12-2 and '-13-2 are designated to comply based on the annual emissions fees of Section 5.3 and with the control requirements specified in Section 5.4. No units at this facility are designated for compliance with the Low-Use provisions of Section 5.5. Therefore, Section 5.5 will not be discussed.

Section 5.2.1 states that on and after the indicated Compliance Deadline, units shall not be operated in a manner which exceeds the applicable NO_x limit specified in Table 1 of this rule. Additionally, on and after October 1, 2008, units shall not be operated in a manner to which exceeds a carbon monoxide (CO) emissions limit of 400 ppmv.

The boilers at this facility complying with Section 5.2 (C-1163-1-10, '-2-11' '-3-8 and '-19-1) fall under Category B shown in the following table.

	NOx Limit	Authority to Construct	Compliance Deadline
B. Units with a total rated heat input > 20.0 MMBtu/hr, except for Categories C through G	a) Standard Schedule 7 ppmv or 0.008 lb/MMBtu ; or	July 1, 2009	July 1, 2010
	b) Enhanced Schedule 5 ppmv or 0.0062 lb/MMBtu	January 1, 2013	January 1, 2014

Compliance is assured with the following conditions:

C-1163-1-10	Condition 7
C-1163-2-11	Condition 10
C-1163-3-8	Condition 8
C-1163-19-1	Condition 6

Section 5.2.4 applies to units operated on combinations of gaseous fuel and liquid fuel. No units at this facility are permitted to operate on combinations of gaseous and liquid fuels. Therefore, this section is not applicable.

Section 5.3 specifies that on and after January 1, 2010, an operator, with units that will comply under Section 5.1.2, shall pay a total annual fee to the District based on the total NOx emissions from those units. Fees shall be calculated as stated in 5.3.1.1 to 5.3.1.5. Section 5.3.2 stipulates that payments shall continue annually until the unit either is permanently removed from use in the San Joaquin Valley Air Basin and the Permit to Operate is surrendered or the operator demonstrates compliance with applicable NOx emissions limits shown in Table 2. Permit units C-1163-8-3, '-12-2 and '-13-2 are designated to comply based on the annual emissions fees of Section 5.3.

Compliance is assured with the following conditions:

C-1163-8-3	Condition 22
C-1163-12-2	Condition 23
C-1163-13-2	Condition 21

Section 5.4 lists the control requirements for particulate matter. Section 5.4.1 states that 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 Section 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 Section 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 Section 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 Sections 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 Section 5.4.1 no later than July 1, 2013.

All units at this facility (C-1163-1-10, '-2-11' '-3-8, '-8-3, '-12-2, '-13-2 and '-19-1) are fired exclusively on PUC-quality natural gas for normal operations. C-1163-2-11 is permitted to fire LPG as a backup fuel. Therefore, all the boilers meet the requirement of Section 5.4.1.1 listed above.

Compliance is assured with the following conditions:

C-1163-1-10	Condition 3
C-1163-2-11	Condition 5
C-1163-3-8	Condition 2
C-1163-8-3	Condition 2
C-1163-12-2	Condition 3
C-1163-13-2	Condition 3
C-1163-19-1	Condition 2

Section 5.4.2 states that liquid fuel shall be used only during PUC quality natural gas curtailment periods, provided the requirements of Sections 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 Section 6.2.

C-1163-2-11 is permitted to fire LPG as a backup fuel. The following conditions ensure compliance:

C-1163-2-11	Conditions 11, 12, 24, 25 and 26
-------------	----------------------------------

Section 5.5 applies only to low use boilers installed prior to January 1, 2009 and are limited to less than or equal to 1.8 billion Btu per calendar year. No units at

this facility are limited to less than 1.8 billion Btu per calendar year heat input. Therefore, the requirements of this section are not applicable.

Section 5.6 establishes the requirements for units subject to startup and shutdown requirements. Section 5.6 states that the applicable emission limits of Sections 5.1 shall not apply during start-up or shutdown provided an operator complies with the requirements specified in below.

- 5.6.1 The duration of each start-up or each shutdown shall not exceed two hours, except as provided in Section 5.3.3.
- 5.6.2 The emission control system shall be in operation and emissions shall be minimized insofar as technologically feasible during start-up or shutdown.
- 5.6.3 Notwithstanding the requirement of Section 5.3.1, an operator may submit an application to a Permit to Operate condition to allow more than two hours for each start-up or each shutdown provided the operator meets all of the conditions in specified in Sections 5.3.3.1 through 5.3.3.3.

For C-1163-1-10, '3-8 and '19-1, the District has approved special startup and shutdown emission rates:

Compliance is assured with the following condition:

C-1163-1-10	Condition 7, 9-11
C-1163-3-8	Condition 9, 11
C-1163-19-1	Condition 7, 9

Section 5.7.1 requires that permit units subject to the emission limits specified in Section 5.2 shall either install and maintain an operational APCO approved Continuous Emission Monitoring System (CEMS) for NO_x, CO and O₂, or implement an APCO-approved alternate monitoring.

Section 5.4.2 requires the operator of any unit subject to the emissions limits specified in Section 5.1 to install and maintain Continuous Emissions Monitoring (CEMS) for NO_x, CO and O₂, or implements an APCO-approved Alternate Monitoring System.

In order to satisfy the monitoring requirements of District Rules 4305, 4306 and 4320, all boilers at this facility are subject to pre-approved alternate monitoring scheme A (pursuant to District Policy SSP-1105), which requires monitoring of the NO_x, CO, and O₂ exhaust concentrations be conducted at least once per month (in which a source test is not performed) using a portable analyzer.

Compliance is assured with the following conditions:

C-1163-1-10	Condition 24-25
C-1163-2-11	Condition 22-23
C-1163-3-8	Condition 22-23
C-1163-8-3	Condition 17-18
C-1163-12-2	Condition 7-8
C-1163-13-2	Condition 7-8
C-1163-19-1	Condition 20-21

Sections 5.7.2 and 5.7.3 apply to units subject to the requirements of Section 5.5. No units at this facility are subject to Section Section 5.5; therefore Sections 5.7.2 and 5.7.3 do not apply.

Section 5.7.4 applies to seasonal sources. The facility is not a seasonal source. Therefore, this section does not apply.

Section 5.7.5 states that the APCO shall not approve an alternative monitoring system or parametric monitoring system unless it is documented that continued operation within ranges of specified emissions-related performance indicators or operational characteristics provides a reasonable assurance of compliance with applicable emission limits.

The facility has proposed to use an APCO-approved Alternate Monitoring System (Monitoring Scheme A) for all units. Therefore, the requirements of this section are met.

Section 5.7.6 outlines requirements for monitoring SO_x emissions. Section 5.7.6.1 requires the operator of any unit that proposes to comply with Section 5.4.1.1 (fire exclusively on PUC-quality natural gas, commercial propane, butane, LPG, or a combination of these fuel gases) or Section 5.4.1.2 (fuel sulfur content limit of 5 grains/100 scf) to provide an annual fuel analysis.

The boilers comply with Sections 5.4.1.1. Therefore, this section applies.

Compliance is assured with the following conditions:

C-1163-1-10	Condition 3
C-1163-2-11	Condition 5
C-1163-3-8	Condition 2
C-1163-8-3	Condition 2
C-1163-12-2	Condition 3
C-1163-13-2	Condition 3
C-1163-19-1	Condition 2

Section 5.8.1 states that the operator of any unit shall have the option of complying with either the applicable heat input emission limits (lb/MMBtu) or the concentration emission limits (ppmv) specified in Section 5.2. The emission limits selected to demonstrate compliance shall be specified in the source test proposal pursuant to Rule 1081 (Source Sampling).

Compliance is assured with the following conditions:

C-1163-1-10	Condition 14
C-1163-2-11	Condition 20
C-1163-3-8	Condition 14
C-1163-8-3	Condition 15
C-1163-12-2	Condition 13
C-1163-13-2	Condition 13
C-1163-19-1	Condition 12

Section 5.8.2 states that 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.

Compliance is assured with the following conditions:

C-1163-1-10	Condition 12
C-1163-2-11	Condition 21
C-1163-3-8	Condition 15
C-1163-8-3	Condition 16
C-1163-12-2	Condition 11
C-1163-13-2	Condition 11
C-1163-19-1	Condition 13

Section 5.8.3 states that all continuous emissions monitoring system (CEMS) emission measurements shall be averaged over a period of 15 consecutive minutes to demonstrate compliance with the applicable emission limits of this rule. Any 15-consecutive-minute block average CEMS measurement exceeding the applicable emission limits of this rule shall constitute a violation of this rule. No units at this facility operate a CEMS. Therefore, the requirements of this section are not applicable..

Section 5.8.4 states that for emissions monitoring pursuant to Sections 5.7.1 and 6.3.1 using a portable NO_x 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 readings evenly spaced out over the 15-consecutive-minute period.

Compliance is assured with the following condition:

C-1163-1-10	Condition 26
C-1163-2-11	Condition 27
C-1163-3-8	Condition 24
C-1163-8-3	Condition 19
C-1163-12-2	Condition 9
C-1163-13-2	Condition 9
C-1163-19-1	Condition 22

Section 5.8.5 states that 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 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.

Compliance is assured with the following conditions:

C-1163-1-10	Condition 19
C-1163-2-11	Condition 19
C-1163-3-8	Condition 16
C-1163-8-3	Condition 14
C-1163-12-2	Condition 18
C-1163-13-2	Condition 18
C-1163-19-1	Condition 14

Section 6.1 states that the records required by Sections 6.1.1 through 6.1.5 shall be maintained for five calendar years and shall be made available to the APCO and EPA upon request. Failure to maintain records or information contained in the records that demonstrate noncompliance with the applicable requirements of this rule shall constitute a violation of this rule.

Compliance is assured with the following condition:

C-1163-1-10	Condition 30
C-1163-2-11	Condition 31
C-1163-3-8	Condition 29
C-1163-8-3	Condition 24
C-1163-12-2	Condition 25
C-1163-13-2	Condition 24
C-1163-19-1	Condition 27

Section 6.1.1 states that any unit operated under the exemption of Section 4.2 shall monitor and record, for each unit, the cumulative annual hours of operation on each fuel other than natural gas during periods of natural gas curtailment and equipment testing. None of the units operated at this facility are subject to the exemption listed in Section 4.2. Therefore, the requirements of this section are not applicable.

Section 6.1.2 applies to any unit that is subject to the requirements of Section 5.5. The boilers are not subject to the requirements of Section 5.5. Therefore, the requirements in this section are not applicable.

Section 6.1.3 requires that the operator of a unit subject to Section 5.5.1 or 6.3.1 shall maintain records to verify that the required tune-up and the required monitoring of the operational characteristics have been performed. The units operated at this facility are not subject to the requirements of Section 5.5.1 or the tune-up and monitoring requirements of Section 6.3.1. Therefore, the requirements in this section are not applicable.

Section 6.1.4 states that the operator performing start-up or shutdown of a unit shall keep records of the duration of each start-up or shutdown.

Compliance is assured with the following conditions:

C-1163-1-10	Condition 11
C-1163-2-11	Condition 30
C-1163-3-8	Condition 11
C-1163-8-3	Condition 23
C-1163-12-2	Condition 24
C-1163-13-2	Condition 23
C-1163-19-1	Condition 9

Section 6.1.5 states the operator of any unit firing on liquid fuel during a PUC-quality natural gas curtailment period shall record the sulfur content of the fuel, amount of fuel used, and duration of the natural gas curtailment period.

C-1163-2-11 is permitted to fire LPG as a backup fuel. The following conditions ensure compliance:

C-1163-2-11	Condition 29
-------------	--------------

Section 6.2 identifies the following test methods as District-approved source testing methods for the pollutants listed:

Pollutant	Units	Test Method Required
NO _x	ppmv	EPA Method 7E or ARB Method 100
NO _x	lb/MMBtu	EPA Method 19
CO	ppmv	EPA Method 10 or ARB Method 100
SO _x	ppmv	EPA Method 6C, EPA Method 8, or ARB Method 100
Stack Gas O ₂	%	EPA Method 3 or 3A, or ARB Method 100
Stack Gas Velocities	ft/min	EPA Method 2
Stack Gas Moisture Content	%	EPA Method 4

Compliance is assured with the following conditions:

<i>C-1163-1-10</i>	<i>Condition 16-18</i>
<i>C-1163-2-11</i>	<i>Condition 14-16</i>
<i>C-1163-3-8</i>	<i>Condition 16-18</i>
<i>C-1163-8-3</i>	<i>Condition 9-11</i>
<i>C-1163-12-2</i>	<i>Condition 15-17</i>
<i>C-1163-13-2</i>	<i>Condition 15-17</i>
<i>C-1163-19-1</i>	<i>Condition 16-18</i>

Section 6.3.1 requires that units be tested to determine compliance with the applicable requirements of Section 5.2 not less than once every 12 months. Upon demonstrating compliance on two consecutive compliance source tests, the following source test may be deferred for up to 36 months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits specified in Section 5.2, the source testing frequency shall revert to at least once every 12 months.

Compliance is assured with the following conditions:

<i>C-1163-1-10</i>	<i>Condition 13</i>
<i>C-1163-2-11</i>	<i>Condition 13</i>
<i>C-1163-3-8</i>	<i>Condition 12</i>
<i>C-1163-8-3</i>	<i>Condition 8</i>
<i>C-1163-12-2</i>	<i>Condition 12</i>
<i>C-1163-13-2</i>	<i>Condition 12</i>
<i>C-1163-19-1</i>	<i>Condition 10</i>

Section 6.3.2 states that in lieu of compliance with Section 6.3.1, compliance with the applicable emission limits in Section 5.2 shall be demonstrated by submittal of annual emissions test results to the District from a unit or units that represents a group of units. The facility does not conduct representative testing. Therefore, this section does not apply.

Section 6.4 states that no later than January 1, 2010, the operator of any unit shall submit to the APCO for approval an Emissions Control Plan. The compliance deadline for this requirement has already passed, and the facility has already submitted their Emissions Control Plan. Therefore, this section is no longer applicable.

Rule 4702 Internal Combustion Engines – Phase 2

This rule limits the emissions of nitrogen oxides (NO_x), carbon monoxide (CO), and volatile organic compounds (VOC) from internal combustion engines.

The rule applies to any internal combustion engine with a rated brake horsepower greater than 50 horsepower and that requires a Permit-to-Operate (PTO). Permit C-1163-18-1 is a 904 bhp diesel-fired emergency standby IC engine powering an electrical generator and there this rule is applicable.

Section 4.2 exempts emergency stand by engines equipped with an operating nonresettable elapsed time meter from all provisions of the rule except sections 5.9 and 6.2.3.

Section 5.9 of this Rule requires that the owner of an emergency standby engine shall comply with the requirements specified in Section 5.9.2 through Section 5.9.5 below:

- 1) Properly operate and maintain each engine as recommended by the engine manufacturer or emission control system supplier.
- 2) Monitor the operational characteristics of each engine as recommended by the engine manufacturer or emission control system supplier.
- 3) Install and operate a nonresettable elapsed operating time meter. In lieu of installing a nonresettable time meter, the owner of an engine may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO and is allowed by Permit-to-Operate or Stationary Equipment Registration condition. The owner of the engine shall properly maintain and operate the time meter or alternative device in accordance with the manufacturer's instructions.

Section 6.2.3 requires that an owner claiming an exemption under Section 4.2 shall maintain annual operating records. This information shall be retained for at least five years, shall be readily available, and submitted to the APCO upon request and at the end of each calendar year in a manner and form approved by the APCO.

Compliance is assured with the following conditions:

C-1163-18-1	Conditions 1, 8-11, 12-15
-------------	---------------------------

40 CFR Part 60, Subpart Db, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units (amended February 16, 2012)

The provisions of this subpart are applicable to owners and operators of steam generating units that commence construction, modification or reconstruction after June 19, 1984, and which have a heat input capacity greater than 100 MMBtu..

The provisions of this subpart are applicable to permit units C-1163-3-8 and 8-3.

PM and SO_x Standards:

Sections 60.42b and 60.43b list requirements for Particulate Matter (PM) and SO_x emissions. The PM and SO_x requirements are applicable for facilities that operate coal or oil fired steam generators. All boilers at this facility operate on natural gas. Therefore, the PM and SO_x standards of this subpart do not apply.

NO_x Standards and Testing:

Section 60.44b (a) states that the owner or operator of an affected facility that is subject to the provisions of this section and that combusts only coal, oil or natural gas shall cause to be discharged into the atmosphere from the affected facility any gases that contain nitrogen oxides (expressed as NO₂) in excess of the specified limits.

Section 60.44b (a) states for low heat release rate units, the natural gas-fired emission limit is 0.10 lb-NO_x/MMBtu. Section 60.44b (h) states the emission limit in Section 60.44b (a) shall apply at all times, including periods of startup, shutdown, or malfunction. Section 60.44b (i) states except provided under paragraph 60.44b (j), compliance with the emission limits in Section 60.44b (a) is determined on a 30-day rolling average. Each of the boiler permit units C-1163-3-8 and 8-3 meets the emission limit criteria of this section.

Section 60.46b (c) states compliance with the NOx limits in Section 60.44b shall be determined through performance testing under paragraph (e) or (f), or under paragraphs (g) and (h) of section 60.46b, as applicable.

Section 60.46b (e) states to determine compliance with the emission limits for NOx required under Section 60.44b, the owner or operator of an affected facility shall conduct the performance test as required under Section 60.8 using the continuous system for monitoring NOx under 60.48b.

NOx Monitoring

Section 60.48b (b) states except as provided under paragraphs (g), (h), and (i) of section 60.48b, the owner or operator of an affected facility subject to the NOx standard under Section 60.44b shall comply with either paragraphs (b)(1) or (b)(2) of Section 60.48b:

(b)(1) Install, calibrate, maintain, and operate a continuous monitoring system, and record the output of the system, of measuring NOx emissions discharged to the atmosphere

Section 60.48b (g) states the owner or operator of an affected facility that has a heat input capacity of 73 MW (250 MMBtu/hr) or less, and which has an annual capacity factor for residual oil having a nitrogen content of 0.30 weight percent or less, natural gas, distillate oil, or any mixture of these fuels, greater than 10 percent shall:

- (1) Comply with the provisions of paragraphs (b), (c), (d), (e)(2), and (f) of Section 60.48b, or
- (2) Monitor steam generating unit operating conditions and predict NOx emission rates as specified in a plan submitted pursuant to Section 60.49b (c).

Recordkeeping and Reporting

Section 60.49b (c) states the owner or operator of each affected facility subject to the NOx standard of 60.44b who seeks to demonstrate compliance with those standards through the monitoring of steam generator unit operating conditions under the provisions of 60.48b (g)(2) shall submit to the Administrator for approval a plan that identifies the operating conditions to be monitored under 60.48b (g)(2) and the records to be maintained under 60.49b (j). This plan shall be submitted to the Administrator for approval within 360 days of the initial startup of the affected facility. The plan shall:

- (1) Identify the specific operating conditions to be monitored and the relationship between these operating conditions and NOx emission rates (lb/MMBtu heat input). Steam generating unit operating conditions include, but are not limited

- to, the degree of staged combustion (i.e. ratio of primary air to secondary and/or tertiary air) and the level of excess air (i.e. flue gas oxygen level);
- (2) Include the data and information that the owner or operator used to identify the relationship between NOx emission rates and these operating conditions;
 - (3) Identify how these operating conditions, including steam generating unit load, will be monitored under 60.48b(g) on an hourly basis by the owner or operator during the period of operation of the affected facility; the quality assurance procedure or practices that will be employed to ensure that the data generated by monitoring these operating conditions will be representative and accurate; and the type and format of the records of these operating conditions, including steam generating unit load, that will be maintained by the owner or operator under 60.49b(j).

60.49b(g) specifies the general record keeping requirements.

60.49b(0) specifies that records shall be maintained for a period of two years following the date of the record.

60.49b(r)(1) specifies that the owner or operator that elects to demonstrate that the affected facility combusts only natural gas which is known to contain an insignificant amount of sulfur pursuant to §60.42b(j) shall obtain and maintain at the affected facility fuel receipts (such as a current, valid purchase contract, tariff sheet, or transportation contract) from the fuel supplier that certify that the gaseous fuel meets the definition of natural gas as defined in §60.41b and the applicable sulfur limit. Reports shall be submitted to the Administrator certifying that only natural gas was combusted in the affected facility during the reporting period.

Permit units C-1163-3-8 and 8-3 are currently not in compliance with these provisions. A compliance schedule will be placed on the permit, requiring implementation of the requirements of 40 CFR 60 Subpart Db..

Scheduled compliance with 40 CFR 60 Subpart DB is assured with the following conditions:

C-1163-3-8	Condition 31
C-1162-8-3	Conditions 25

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

This rule incorporates NSPS from Part 60, Chapter 1, Title 40, Code of Federal Regulations (CFR); and applies to all new sources of air pollution and modifications of existing sources of air pollution listed in 40 CFR Part 60. 40

CFR Part 60, Subpart Dc applies to Small Industrial-Commercial-Industrial Steam Generators between 10 MMBtu/hr and 100 MMBtu/hr (post-6/9/89 construction, modification or, reconstruction). Subpart Dc has standards for SO_x and PM₁₀.

The provisions of this subpart are applicable to permit units C-1163-1-10, 2-11, 12-2, 13-2 and 19-0.

60.42c – Standards for Sulfur Dioxide

Since coal is not combusted by the boilers at this facility, the requirements of this section are not applicable.

60.43c – Standards for Particulate Matter

The boilers at this facility are not fired on coal, mixtures of coal with other fuels, wood, mixtures of wood with other fuels, or oil; therefore they are not be subject to the requirements of this section.

60.44c – Compliance and Performance Tests Methods and Procedures for Sulfur Dioxide.

Since the boilers at this facility are not subject to the sulfur dioxide requirements of this subpart, no testing to show compliance is required. Therefore, the requirements of this section are not applicable to the boilers at this facility.

60.45c – Compliance and Performance Test Methods and Procedures for Particulate Matter

Since the boilers at this facility are not subject to the particulate matter requirements of this subpart, no testing to show compliance is required. Therefore, the requirements of this section are not applicable to the boilers at this facility.

60.46c – Emission Monitoring for Sulfur Dioxide

Since the boilers at this facility are not subject to the sulfur dioxide requirements of this subpart, no monitoring is required. Therefore, the requirements of this section are not applicable to the boilers at this facility.

60.47c – Emission Monitoring for Particulate Matter

Since the boilers at this facility are not subject to the particulate matter requirements of this subpart, no monitoring is required. Therefore, the requirements of this section are not applicable to the boilers at this facility.

60.48c – Reporting and Recordingkeeping Requirements

Section 60.48c (a) states that the owner or operator of each affected facility shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by §60.7 of this part. This notification shall include:

- (1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.

The design heat input capacity and type of fuel combusted at the facility are on each unit's equipment description. No conditions are required to show compliance with this requirement.

- (2) If applicable, a copy of any Federally enforceable requirement that limits the annual capacity factor for any fuel mixture of fuels under §60.42c or §40.43c.

This requirement is not applicable since these units are not subject to §60.42c or §40.43c.

- (3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

The facility has no annual capacity factor; therefore one will not be required.

- (4) Notification if an emerging technology will be used for controlling SO₂ emissions. The Administrator will examine the description of the control device and will determine whether the technology qualifies as an emerging technology. In making this determination, the Administrator may require the owner or operator of the affected facility to submit additional information concerning the control device. The affected facility is subject to the provisions of §60.42c(a) or (b)(1), unless and until this determination is made by the Administrator

This requirement is not applicable since the units are not be equipped with an emerging technology used to control SO₂ emissions.

Section 60.48 c (g) states that the owner or operator of each affected facility shall record and maintain records of the amounts of each fuel combusted during each day.

Section 60.48 c (i) states that all records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record. District Rule 4320 requires that records be kept for five years.

Compliance with Subpart Dc is assured with the following conditions:

C-1163-1-10	Condition 30, 32
C-1163-2-11	Condition 31, 33
C-1163-12-2	Condition 25, 27
C-1163-13-2	Condition 24, 26
C-1163-19-1	Condition 27, 29

40 CFR Part 63, Subpart JJJJJJ—National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

Per § 63.11193, boilers located at, or part of, an area source of hazardous air pollutants (HAP) are subject to this subpart. However, pursuant to § 63.11195(e), gas-fired boilers are not subject to this subpart or to any requirements in this subpart.

Since all boilers at this facility are fired exclusively with natural gas, Subpart JJJJJ is not applicable to any boiler at this facility.

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

The 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.

Therefore, the provisions of this subpart are applicable to permit unit C-1163-18-1.

§ 60.4205 (b) specifies that owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in §60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE. § 60.4202 (2) specifies that for engines with a maximum engine power greater than or equal to 37 KW (50 HP), the applicable certification emission standards are those given for new nonroad CI engines for the same model year and maximum engine power in 40 CFR 89.112 and 40 CFR 89.113 for all pollutants beginning in model year 2007. Per 40 CFR 89.112, the applicable standard is a certified EPA Tier 2 engine for model years

2006 and later. Per 40 CFR 89.113 (b)(3), constant speed engines are exempt from the requirements of that section.

C-1163-18-0 is a certified Tier 2 engine as noted in the equipment description on the permit and is a constant speed engine (generator service). It is therefore in compliance with the requirements of § 60.4205 (b) .

§ 60.4207 requires owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel to purchase diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel. § 80.510 (b) specifies the following per-gallon standards:

- (1) Sulfur content.
 - (i) 15 ppm maximum for NR diesel fuel.
 - (ii) 500 ppm maximum for LM diesel fuel.
- (2) Cetane index or aromatic content, as follows:
 - (i) A minimum cetane index of 40; or
 - (ii) A maximum aromatic content of 35 volume percent.

Compliance is assured with the following condition:

C-1163-18-1	Condition 5
-------------	-------------

§ 60.4209 requires the owner or operator of an emergency stationary CI internal combustion engine that does not meet the standards applicable to non-emergency engines to install a non-resettable hour meter prior to startup of the engine.

Compliance is assured with the following condition:

C-1163-18-1	Condition 1
-------------	-------------

§ 60.4211(c) requires an owner or operator of a 2007 model year and later stationary CI internal combustion engine that must comply with the emission standards specified in §60.4205(b), to comply by purchasing an engine certified to the emission standards in §60.4205(b), as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of this section.

Compliance is assured with the following condition:

C-1163-18-1	Condition 8
-------------	-------------

§ 60.4211(f) limits operation for maintenance checks and readiness testing to 100 hours per year, provided that the tests are recommended by Federal, State

or local government, the manufacturer, the vendor, or the insurance company associated with the engine. There is no time limit on the use of emergency stationary ICE in emergency situations.

Compliance is assured with the following conditions:

C-1163-18-0	Conditions 10-12
-------------	------------------

40 CFR 63 Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Emissions (RICE)

Emergency engines are subject to this subpart if they are operated at a major or area source of Hazardous Air Pollutant (HAP) emissions. A major source of HAP emissions is a facility that has the potential to emit any single HAP at a rate of 10 tons/year or greater or any combinations of HAPs at a rate of 25 tons/year or greater. An area source of HAPs is a facility is not a major source of HAPs.

Permit unit C-1163-18-0 is a stationary RICE located at an area source of HAP emissions; therefore, this engine is subject to this Subpart.

Per § 63.6590 (iii), a stationary RICE located at an area source of HAP emissions is new if construction of the stationary RICE was commenced on or after June 12, 2006.

Construction of permit unit C-1163-18-0 was commenced after June 12, 2006.; therefore, this engine is classified as a new stationary RICE.

§ 63.6590 (c)(1) stipulates that a new or reconstructed compression ignited stationary RICE located at an area source must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII. No further requirements apply for such engines under this part.

As demonstrated in this evaluation, permit unit C-1163-18-0 meets the requirements of 40 CFR part 60 subpart IIII; therefore, this engine complies with the requirements of 40 CFR 63, Subpart ZZZZ.

40 CFR Part 64, CAM

§64.2 – Applicability

This section 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

§64.3 - Monitoring Design Criteria

This section specifies the design criteria for the CAM system. Paragraph (a) (*General criteria*) requires that the CAM system be designed to obtain data for one or more appropriate indicators of emission control system performance and requires the owner to establish appropriate ranges or designated conditions for the selected indicators 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.

Paragraph (b) (*Performance criteria*) requires the owner or operator to establish and maintain the following:

- Specifications to ensure that representative data are collected
- Verification procedures for startup of new monitoring equipment
- Quality assurance and control practices to ensure continuing validity of data
- Data collection frequency and procedures

Paragraph (c) (*Evaluation factors*) requires the owner or operator to take into account site specific factors in the design of the CAM system.

Paragraph (d) (*Special criteria for the use of continuous emission, opacity, or predictive monitoring systems*) requires the owner or operator to use a continuous emission monitoring system (CEMS), continuous opacity monitoring system (COMS), or a predictive emission monitoring system (PEMS) to satisfy CAM requirements, provided that these monitoring systems are required pursuant to other authority under the Clean Air Act or state or local law. This subsection also stipulates the following:

- The use of a CEMS, COMS, or PEMS that satisfies any of the following monitoring requirements shall be deemed to satisfy the general design criteria in paragraphs (a) and (b) of this section, provided that a COMS may be subject to the criteria for establishing indicator ranges under paragraph (a) of this section:
 - (i) Section 51.214 and appendix P of 40 CFR 51;
 - (ii) Section 60.13 and appendix B of 40 CFR 60;
 - (iii) Section 63.8 and any applicable performance specifications required pursuant to the applicable subpart of 40 CFR 63; (iv) 40 CFR 75;
 - (v) Subpart H and appendix IX of 40 CFR 266; or

- (vi) In the event that the monitoring system is not subject to any of the requirements listed above, comparable requirements and specifications established by the permitting authority.
- The owner or operator shall design the monitoring system subject to this paragraph (d) to:
 - (i) Allow for reporting of exceedances (or excursions if applicable to a COMS used to assure compliance with a particulate matter standard), consistent with any period for reporting of exceedances in an underlying requirement. If an underlying requirement does not contain a provision for establishing an averaging period for the reporting of exceedances or excursions, the criteria used to develop an averaging period specified in the data collection procedures required under paragraph (b) of this section shall apply; and
 - (ii) Provide an indicator range consistent with paragraph (a) of this section for a COMS used to assure compliance with a particulate matter standard. If an opacity standard applies to the pollutant-specific emissions unit, such limit may be used as the appropriate indicator range unless the opacity limit fails to meet the criteria in paragraph (a) of this section after considering the type of control device and other site-specific factors applicable to the pollutant-specific emissions unit.

§64.4 - Submittal Requirements

This section specifies submittal requirements for the owner or operator which ensure the CAM system will comply with the design criteria of §64.3.

§64.5 - Deadlines for Submittals

This section specifies required timing for submittals required under §64.4.

Large pollutant-specific emissions units (those with controlled emissions exceeding major source thresholds) are required to make the submittals as a part of the initial Title V permit application where the application has either not been filed or has not been deemed complete. Where the initial Title V permit has been issued without implementation of 40 CFR 64, the owner or operator must make the required submittals as a part of a subsequent application for any significant permit revision. If the required information is not submitted by either of these deadlines, it must be submitted as a part of the application for the Title V permit renewal.

For *other pollutant-specific emissions units*, the required submittal deadline is the application for Title V permit renewal.

§64.6 - Approval of monitoring

This section stipulates the following:

- A requirement that the permitting authority act to approve the proposed monitoring by confirming that the monitoring submitted complies with the requirements of §64.3
- An allowance for the permitting authority to condition the approval based on collecting additional data on the indicators to be monitored, including performance or compliance testing
- The minimum conditions that must be placed on the permit in the event that the proposed monitoring is approved by the permitting authority including a milestone schedule for completion of any conditional approval actions required by the owner or operator, such as installations, testing, or verification of operational status
- Actions required by the permitting authority in the event that the proposed monitoring is not approved

The CAM submittal requirements and stipulations for approval of such submittals pursuant to §64.4, §64.5, and §64.6 have been completed in conjunction with the application and review process for this renewal of the Title V permit.

§64.7 - Operation of Approved Monitoring

This section stipulates the following:

- Requirements that the owner or operator 1) commence the monitoring upon receipt of a Title V permit that includes such monitoring, 2) properly maintain the monitoring system, and 3) conduct all monitoring in a continuous mode with the exception of outage periods associated with monitor malfunction and repair and with quality assurance and control activities
- Actions required by the owner or operator in response to excursions or exceedances
- A requirement for the owner or operator to document any need for improved monitoring based upon either an identification of a failure of the monitoring system to identify an excursion or exceedance or upon the results of compliance or performance testing that identifies a need to modify the monitoring

§64.8 - Quality Improvement Plan (QIP) Requirements

This section stipulates that the Administrator or the permitting authority may require that the facility develop and implement a QIP in the event of a determination of a need for improved monitoring pursuant to §64.7. §64.8 also identifies the minimum elements required in the QIP, and requires that the

facility implement the QIP as expeditiously as possible, with implementation not exceeding 180 days after the date that the need for implementation was identified unless the permitting authority is notified.

§64.9 - Reporting and Recordkeeping Requirements

This section stipulates the minimum reporting and recordkeeping requirements for facilities subject to 40 CFR 64.

§64.10 - Savings Provisions

This section states that the purpose of 40 CFR 64 is to require, as a part of the issuance of a Title V permit, improved or new monitoring at those emissions units where monitoring requirements do not exist or are inadequate to meet the requirements of 40 CFR 64. In addition, §64.10 states that nothing in 40 CFR 64 shall excuse an owner or operator from any other requirements of federal, state or local law or restrict or abrogate the authority of the Administrator or of the permitting authority.

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;

All emissions units at this facility have emission limits.

- 2) the unit must have add-on controls for the pollutant; these are devices such as flue gas recirculation (FGR), baghouses, and catalytic oxidizers;

Only permits units '1-10, '3-8 and -19-1 have add-on controls. The units are only equipped with selective catalytic reduction units which are specific to the control of NOX.

and

- 3) the unit must have a pre-control potential to emit of greater than the major source thresholds.

C-1163-1-10

89.1 MMBTU/HR CLEAVER BROOKS MODEL DL-94 NATURAL GAS-FIRED BOILER WITH A TODD MODEL MISERPAK LOW NOX BURNER AND A HITACHI SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM

Major source threshold for NO_x = 20,000 lb/year

Pre-control emission factor = 0.1 lb-Nox/MMBtu (API-42, 1.4-1))

Controlled emission factor = 0.008 lb-NO_x/MMBtu (permit limit)

Annual hours of operation = 8,760
Annual emissions (pre-control) = $0.1 \times 8,760 \times 89.1 = 78,051$ lb-NOx/year
(78,051 lb-NOx/year > 20,000)
Annual emissions (controlled) = $0.008 \times 8,760 \times 89.1 = 6,244$ lb-NOx/year
(9,779 lb-NOx/year < 20,000)

CAM is therefore required for NOx emissions and a minimum monitoring frequency of 24 hours is required.

The unit is currently not in compliance with Part 64 provisions. A compliance schedule will be placed on the permit, requiring implementation of either an approved CAM system pursuant to 40 CFR 64.48(b) or otherwise comply with the NOx monitoring requirements of 60.48(b) within 6 months after issuance of the Title V permit.

Scheduled compliance is assured with the following condition:

C-1163-1-10	Condition 33
-------------	--------------

C-1163-3-8

180.06 MMBTU/HR CLEAVER BROOKS MODEL DFE-E NATURAL GAS-FIRED BOILER WITH COEN/TODD VARIFLAME LOW NOX BURNER, FLUE GAS RECIRCULATION SYSTEM AND SCR SYSTEM

Major source threshold for NOx = 20,000 lb/year
Pre-control emission factor = 0.1 lb-Nox/MMBtu (API-42, 1.4-1))
Controlled emission factor = 0.0062 lb-NOx/MMBtu (permit limit)
Annual hours of operation = 8,760
Annual emissions (pre-control) = $0.1 \times 8,760 \times 180.06 = 157,730$ lb-NOx/year
(157,730 lb-NOx/year > 20,000)
Annual emissions (controlled) = $0.0062 \times 8,760 \times 180.06 = 9,779$ lb-NOx/year
(9,779 lb-NOx/year < 20,000)

CAM is therefore required for NOx emissions and a minimum monitoring frequency of 24 hours is required.

The unit is currently not in compliance with Part 64 provisions. A compliance schedule will be placed on the permit, requiring implementation of either an approved CAM system pursuant to 40 CFR 64.48(b) or otherwise comply with the NOx monitoring requirements of 60.48(b) within 6 months after issuance of the Title V permit.

Scheduled compliance is assured with the following condition:

C-1163-3-8	Condition 32
------------	--------------

C-1163-8-3

120 MMBTU/HR NEBRASKA MODEL NOS-2A-67 NATURAL GAS-FIRED BOILER WITH NATCOM BURNER MODEL P-120-G-32-1824 AND FLUE GAS RECIRCULATION SYSTEM

Major source threshold for NO_x = 20,000 lb/year
Pre-control emission factor = 0.1 lb-Nox/MMBtu (API-42, 1.4-1))
Controlled emission factor = 0.0108 lb-NO_x/MMBtu (permit limit)
Annual hours of operation = 8,760
Annual emissions (pre-control) = 0.1 x 8,760 x 120 = 105,120 lb-NO_x/year
(105,120 lb-NO_x/year > 20,000)
Annual emissions (controlled) = 0.0108 x 8,760 x 120 = 11,352 lb-NO_x/year
(11,352 lb-NO_x/year < 20,000)

CAM is therefore required for NO_x emissions and a minimum monitoring frequency of 24 hours is required.

The unit is currently not in compliance with Part 64 provisions. A compliance schedule will be placed on the permit, requiring implementation of either an approved CAM system pursuant to 40 CFR 64.48(b) or otherwise comply with the NO_x monitoring requirements of 60.48(b) within 6 months after issuance of the Title V permit.

Scheduled compliance is assured with the following condition:

C-1163-3-8	Condition 26
------------	--------------

C-1163-19-1

99.8 MMBTU/HR BABCOCK & WILCOX BOILER MODEL FM103-79 NATURAL GAS-FIRED BOILER WITH A LOW-NOX BURNER AND A SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM

Major source threshold for NO_x = 20,000 lb/year
Pre-control emission factor = 0.1 lb-Nox/MMBtu (API-42, 1.4-1))
Controlled emission factor = 0.0062 lb-NO_x/MMBtu (permit limit)
Annual hours of operation = 8,760
Annual emissions (pre-control) = 0.1 x 8,760 x 99.8 = 87,250 lb-NO_x/year
(87,250 lb-NO_x/year > 20,000)
Annual emissions (controlled) = 0.0062 x 8,760 x 99.8 = 5,420 lb-NO_x/year

(5,420 lb-NOx/year < 20,000)

CAM is therefore required for NOx emissions and a minimum monitoring frequency of 24 hours is required.

The unit is currently not in compliance with Part 64 provisions. A compliance schedule will be placed on the permit, requiring implementation of either an approved CAM system pursuant to 40 CFR 64.48(b) or otherwise comply with the NOx monitoring requirements of 60.48(b) within 6 months after issuance of the Title V permit.

Scheduled compliance is assured with the following condition:

C-1163-19-1	Condition 30
-------------	--------------

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.

XII. Index to Attachments

ATTACHMENT A – DETAILED FACILITY PRINTOUT
ATTACHMENT B – EXEMPT EQUIPMENT
ATTACHMENT C – CURRENT SJVUAPCD PERMITS

San Joaquin Valley Air Pollution Control District

FACILITY: C-1163-0-1

EXPIRATION DATE: 08/31/2017

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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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: OLAM TOMATO PROCESSORS INC
Location: 1175 19TH AVE, LEMOORE, CA 93245
C:\1163-0-1\Oct 30 2012 7:54AM - ROBERTSD

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
10. {4371} 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. {4372} 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. {4373} 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. {4374} 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. {4375} 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. {4376} 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. {4377} 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. {4378} 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. {4379} 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. {4380} 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. {4381} 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. {4382} 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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

22. {4383} 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. {4384} 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. {4385} 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. {4386} 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. {4387} 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. {4388} 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. {4389} 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. {4390} 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. {4391} 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. {4392} 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. {4393} 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. {4394} 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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

34. {4395} 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 5.1.4 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. {4396} 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. {4397} 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. {4398} 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. {4399} 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. {4400} 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. {4401} 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 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (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. {98} 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

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

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-1163-1-10

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

89.1 MMBTU/HR CLEAVER BROOKS MODEL DL-94 NATURAL GAS-FIRED BOILER WITH A TODD-MODEL MISERPAK LOW NOX BURNER AND A HITACHI SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM.

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. 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 unit shall only be fired on PUC-regulated natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The annual heat input for boiler C-1163-1 shall be less than 256,608 MMBtu per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Facility-wide NOx emissions shall not exceed 20,000 pounds per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Except during start-up and shutdown, emissions from the exhaust of the SCR system shall not exceed any of the following emission limits: 7 ppmv NOx @ 3% O2 or 0.008 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.0048 lb-PM10/MMBtu, 100 ppmv CO @ 3% O2 or 0.0750 lb-CO/MMBtu, or 0.0060 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
7. During start-up and shutdown, emissions from the exhaust of the SCR system shall not exceed any of the following emission limits: 2.67 lb-NOx/hr, 0.26 lb-SOx/hr, 0.43 lb-PM10/hr, 6.68 lb-CO/hr, or 0.53 lb-VOC/hr. [District Rules 2201, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
8. The ammonia (NH3) emissions from the exhaust of the SCR system serving this boiler shall not exceed 10 ppmvd @ 3% O2. [District Rule 4102]
9. The total duration of startup time shall not exceed either of the following limits: 2.0 hours startup per day or 730 hours total startup time per year. [District Rules 2201, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
10. The total duration of shutdown time shall not exceed either of the following limits: 2.0 hours shutdown per day or 730 hours total shutdown time per year. [District Rules 2201, 4306 and 4320] Federally Enforceable Through Title V Permit
11. Duration of start-up or shutdown shall not exceed two hours each per occurrence. During start-up or shutdown, the emissions control system shall be in operation, and emissions shall be minimized insofar as technologically possible. The operator shall maintain daily records of the duration of start-up and shutdown periods. [District Rules 4305, 4306 and 4320] 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. 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 4306 and 4320] Federally Enforceable Through Title V Permit
13. Source testing to measure NO_x, CO, and NH₃ emissions from this unit while fired on natural gas shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests when unit is fired on natural gas, 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 2201, 4102, 4305, 4306 and 4320] 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, 4306 and 4320] 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. NO_x 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, 4306 and 4320] 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, 4306 and 4320] 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, 4306 and 4320] 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, 4306 and 4320] 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. Ammonia emission readings shall be conducted at the time the NO_x, CO and O₂ readings are taken. The readings shall be converted to ppmvd @ 3% O₂. [District Rules 4102]
22. The permittee shall monitor and record the stack concentration of ammonia (NH₃) at least once during each month in which a source test is not performed. NH₃ monitoring shall be conducted utilizing Draeger tubes or a District approved equivalent method. 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 one day of restarting the unit unless monitoring has been performed within the last month. [District Rule 4102]
23. Source testing for ammonia slip shall be conducted utilizing BAAQMD Method ST-1B. [District Rule 4102]
24. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. 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 month. [District Rules 4305, 4306 and 4320] 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.

25. If either the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. 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 performing the notification and testing required by this condition. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
26. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken 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. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
27. Records of annual fuel consumption shall be maintained for each boiler. Fuel consumption for boilers C-1163-2, C-1163-3, C-1163-8, and C-1163-9 shall be recorded from the respective nonresettable, totalizing meters installed in the fuel line of each of those boilers. Fuel consumption for boiler C-1163-1 shall be determined by subtracting the quantity of fuel used from boilers C-1163-2, C-1163-3, C-1163-8, and C-1163-9 from reading on the main utility service meter. [District Rule 2201] Federally Enforceable Through Title V Permit
28. The permittee shall maintain records of: (1) the date and time of NO_x, CO, NH₃ and O₂ measurements, (2) the O₂ concentration in percent by volume and the measured NO_x, CO and NH₃ concentrations corrected to 3% O₂, (3) make and model of the portable analyzer, (4) portable analyzer calibration records, (5) the method of determining the NH₃ emission concentration, and (6) a description of any corrective action taken to maintain the emissions at or below the acceptable levels. [District Rules 4102, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
29. Daily and annual records of start-up and shutdown durations and number of occurrences of each shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
30. 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, 4306 and 4320] Federally Enforceable Through Title V Permit
31. Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit
32. Permittee shall keep records of the amounts of each fuel combusted during each day. [40 CFR 60, Subpart Dc] Federally Enforceable Through Title V Permit
33. Within 6 months of the Title V permit being issued, permittee shall apply for an Authority to Construct (ATC) and fully implement either 1) an APCO-approved Compliance Assurance Monitoring (CAM) system as specified in a plan submitted pursuant to 40 CFR 64, Section 60.49b (c) or 2) otherwise comply with the NO_x emission monitoring requirements of 40 CFR 64.48b. [40 CFR Part 64] Federally Enforceable Through Title V Permit

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

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-1163-2-11

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

91 MMBTU/HR CLEAVER BROOKS MODEL DL-94 NATURAL GAS-FIRED BOILER WITH A NATCOM LOW NOX BURNER AND VFD CONTROLLED INDUCED FGR.

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions from any combustion source shall not exceed 0.1 grains/dscf (calculated to 12% carbon dioxide). [District Rule 4301] Federally Enforceable Through Title V Permit
2. Facility-wide NOx emissions shall not exceed 20,000 pounds per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The combined annual heat input for boilers C-1163-2, C-1163-3 and C-1163-8 shall be less than 939,074 MMBtu per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Owner/operator shall maintain a non-resettable, totalizing mass or volumetric flow meter in the fuel line of this unit. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
5. The unit shall only be fired on PUC-regulated natural gas as the primary fuel and LPG as the backup fuel. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Record of annual fuel consumption shall be maintained, retained on the premises for at least five years and made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
7. The unit shall be fired LPG as backup fuel only during natural gas curtailment for no more than 168 cumulative hours in a calendar year plus 48 hours per calendar year for equipment testing. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
8. The permittee shall maintain records of hours of operation on liquid petroleum. Such records shall be maintained on the premises for at least five years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
9. The flue gas recirculation (FGR) system shall be operated in accordance with the manufacturer's specifications whenever the boiler is operating. A copy of the specifications shall be retained on site and made available for District inspection upon request. [District Rule 2201]
10. When fired on natural gas, emissions rates from the unit shall not exceed any of the following limits: 7 ppmvd NOx @ 3% O2 or 0.008 lb-NOx/MMBtu, 0.0029 lb-SOx/MMBtu, 0.0048 lb-PM10/MMBtu, 50 ppmvd CO @ 3% O2 or 0.037 lb-CO/MMBtu, or 0.0041 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
11. When fired on LPG as backup fuel, emissions rates from the unit shall not exceed any of the following limits: 150 ppmvd NOx @ 3% O2 or 0.215 lb-NOx/MMBtu, 0.0029 lb-SOx/MMBtu, 0.0048 lb-PM10/MMBtu, 50 ppmvd CO @ 3% O2 or 0.037 lb-CO/MMBtu, or 0.0041 lb-VOC/MMBtu. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
12. Sulfur content of LPG shall not exceed 5 grains per 100 gal. [District Rule 4320] 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. Source testing to measure natural gas-combustion NO_x 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, 4306 and 4320] Federally Enforceable Through Title V Permit
14. NO_x 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, 4306 and 4320] Federally Enforceable Through Title V Permit
15. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
16. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
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] Federally Enforceable Through Title V Permit
18. 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
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, 4306 and 4320] Federally Enforceable Through Title V Permit
20. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
21. 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, 4306 and 4320] Federally Enforceable Through Title V Permit
22. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. 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 month. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
23. If either the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. 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 performing the notification and testing required by this condition. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
24. If the unit is fired on LPG as backup fuel for a period exceeding 48 cumulative hours in a calendar year, the permittee shall monitor and record the stack concentration of NO_x at least once during that year using an APCO approved portable NO_x analyzer. Monitoring for backup fuel NO_x emissions shall not be required when the unit is operating on primary fuel, i.e. the unit need not be fired on backup fuel solely to perform monitoring. [District Rules 4305, 4306 and 4320] 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.

25. Backup fuel NO_x emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken 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 [District Rules 4305 and 4306]
26. The permittee shall maintain records of: (1) the date and time of backup fuel NO_x measurements, (2) the measured backup fuel NO_x concentration (in ppmv or lb/MMBtu) corrected to 3% O₂, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
27. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken 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. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
28. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 3% O₂, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
29. Records of daily and annual backup fuel consumption consisting of the date the boiler operated on LPG as backup fuel and the amount of time the boiler was operated, in hours, on LPG as backup fuel shall be maintained. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
30. The permittee shall maintain daily records of start-up and shutdown durations and number of occurrences of each. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
31. 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, 4306 and 4320] Federally Enforceable Through Title V Permit
32. Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit
33. Permittee shall keep records of the amounts of each fuel combusted during each day. [40 CFR 60, Subpart Dc] Federally Enforceable Through Title V Permit

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

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-1163-3-8

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

180.06 MMBTU/HR CLEAVER BROOKS MODEL DFE-E NATURAL GAS-FIRED BOILER WITH COEN/TODD VARIFLAME LOW NOX BURNER, FLUE GAS RECIRCULATION SYSTEM AND SCR SYSTEM

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 unit shall only be fired on PUC-quality natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Facility-wide NOx emissions shall not exceed 19,999 pounds per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The combined annual heat input for boilers C-1163-2, C-1163-3 and C-1163-8 shall be less than 939,074 MMBtu per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Owner/operator shall maintain a non-resettable, totalizing mass or volumetric flow meter in the fuel line of this unit. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
6. The flue gas recirculation (FGR) system shall be operated in accordance with the manufacturer's specifications whenever the boiler is operating. A copy of the specifications shall be retained on site and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The District shall be notified of any breakdown conditions in accordance with Rule 1100 (Equipment Breakdown). [District Rule 1100] Federally Enforceable Through Title V Permit
8. Except during start-up, emissions from the exhaust of the SCR system serving this boiler shall not exceed any of the following emission limits: 5 ppmv NOx @ 3% O2 or 0.0062 lb-NOx/MMBtu, 0.0029 lb-SOx/MMBtu, 0.0048 lb-PM10/MMBtu, 50 ppmv CO @ 3% O2 or 0.037 lb-CO/MMBtu, or 0.0042 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
9. During start-up, emissions from the exhaust of the SCR system serving this boiler shall not exceed any of the following emission limits: 1.95 lb-NOx/hr; 0.5 lb-SOx/hr; 0.85 lb-PM10/hr; 6.65 lb-CO/hr; and 0.4 lb-VOC/hr. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
10. The ammonia emissions from the exhaust of the SCR system serving this boiler shall not exceed 5 ppmvd @ 3% O2. [District Rule 4102]
11. Duration of startup shall not exceed 2 hours per day and 180 hours per year. During startup, the emissions control system shall be in operation, and emissions shall be minimized insofar as technologically possible. The operator shall maintain daily records of the duration of startup periods. [District Rules 2201, 4306, and 4320] 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. Source testing to measure NO_x, CO, and NH₃ emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests when unit is fired on natural gas, 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 4102, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
13. 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
14. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, and 4320] 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 4320. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
16. 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, 4306, and 4320] Federally Enforceable Through Title V Permit
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] Federally Enforceable Through Title V Permit
18. NO_x 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, 4306, and 4320]
19. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306, and 4320]
20. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
21. Source testing for ammonia slip shall be conducted utilizing BAAQMD Method ST-1B. [District Rule 4102]
22. The permittee shall monitor and record the stack concentration of NO_x, CO, NH₃ and O₂ at least once during each month in which source testing is not performed. NO_x, CO and O₂ monitoring shall be conducted utilizing a portable analyzer that meets District specifications. NH₃ monitoring shall be conducted utilizing gas detection tubes (Draeger brand or District approved equivalent). 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 it has been performed within the last month. [District Rules 4102, 4305, 4306, and 4320]
23. If either the NO_x, CO or NH₃ concentrations, as measured by the portable analyzer or the District approved ammonia monitoring equipment, exceed the permitted levels the permittee shall return the emissions to compliant levels as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer or the ammonia monitoring equipment continue to show emission limit violations after 1 hour of operation following detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation that is subject to enforcement action has occurred. 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 4102, 4305, 4306, and 4320]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

24. All NO_x, CO, O₂ and ammonia emission readings shall be taken with the unit operating at conditions representative of normal operation or under the conditions specified in the Permit to Operate. The NO_x, CO and O₂ analyzer as well as the NH₃ emission monitoring equipment shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Analyzer readings taken 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 readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4102, 4305, 4306, and 4320]
25. Ammonia emissions readings shall be conducted at the time the NO_x, CO and O₂ readings are taken. The readings shall be converted to ppmvd @ 3% O₂. [District Rule 4102]
26. The permittee shall submit an analysis showing the fuel's sulfur content at least once every year. Valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts may be used to satisfy this requirement, provided they establish the fuel parameters mentioned above. [District Rule 4320] Federally Enforceable Through Title V Permit
27. The permittee shall maintain records of: (1) the date and time of NO_x, CO, NH₃ and O₂ measurements, (2) the O₂ concentration in percent by volume and the measured NO_x, CO and NH₃ concentrations corrected to 3% O₂, (3) make and model of the portable analyzer, (4) portable analyzer calibration records, (5) the method of determining the NH₃ emission concentration, and (6) a description of any corrective action taken to maintain the emissions at or below the acceptable levels. [District Rules 4102, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
28. Records of annual fuel consumption shall be maintained, retained on the premises for at least five years and made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
29. 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, 4306, and 4320] Federally Enforceable Through Title V Permit
30. Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit
31. Within 6 months of the Title V permit being issued, permittee shall apply for an Authority to Construct (ATC) and fully implement the applicable requirements of 40 CFR 60, Subpart Db. [40 CFR 60Db] Federally Enforceable Through Title V Permit
32. Within 6 months of the Title V permit being issued, permittee shall apply for an Authority to Construct (ATC) and fully implement either 1) an APCO-approved Compliance Assurance Monitoring (CAM) system as specified in a plan submitted pursuant to 40 CFR 64, Section 60.49b (c) or 2) otherwise comply with the NO_x emission monitoring requirements of 40 CFR 64.48b. [40 CFR Part 64] Federally Enforceable Through Title V Permit

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

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-1163-8-3

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

120 MMBTU/HR NEBRASKA MODEL NOS-2A-67 NATURAL GAS-FIRED BOILER WITH NATCOM BURNER MODEL P-120-G-32-1824 AND FLUE GAS RECIRCULATION SYSTEM

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions from any combustion source shall not exceed 0.1 grains/dscf (calculated to 12% carbon dioxide). [District Rule 4301] Federally Enforceable Through Title V Permit
2. The unit shall only be fired on PUC-regulated natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Facility-wide NOx emissions shall not exceed 20,000 pounds per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The combined annual heat input for boilers C-1163-2, C-1163-3 and C-1163-8 shall be less than 939,074 MMBtu per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Owner/operator shall maintain a non-resettable, totalizing mass or volumetric flow meter in the fuel line of this unit. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
6. Records of annual fuel consumption shall be maintained, retained on the premises for at least five years and made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
7. Emissions from this natural gas-fired unit shall not exceed any of the following limits: 9 ppmvd NOx @ 3% O2 or 0.0108 lb-NOx/MMBtu, 0.0029 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 45 ppmvd CO @ 3% O2 or 0.033 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
8. 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
9. 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
10. 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
11. 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
12. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. 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
14. 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
15. 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
16. 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
17. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. 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 month. [District Rules 4305 and 4306]
18. If either the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. 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 performing the notification and testing required by this condition. [District Rules 4305 and 4306]
19. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken 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. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
20. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 3% O₂, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
21. Permittee shall maintain records of annual heat input (MMBtu) for this unit on a calendar year basis. Such 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 and Rule 4320] Federally Enforceable Through Title V Permit
22. Pursuant to Rule 4320, beginning in 2010 the operator shall pay an annual emission fee to the District for NO_x emissions from this unit for the previous calendar year. Payments are due by July 1 of each year. Payments shall continue annually until either the unit is permanently removed from service in the District or the operator demonstrates compliance with the applicable NO_x emission limit listed in Rule 4320. [District Rule 4320] Federally Enforceable Through Title V Permit
23. The permittee shall maintain daily records of start-up and shutdown durations and number of occurrences of each. [District Rules 4305, 4306, and 4320] 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.

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. Within 6 months of the Title V permit being issued, permittee shall apply for an Authority to Construct (ATC) and fully implement the applicable requirements of 40 CFR 60, Subpart Db. [40 CFR 60Db] Federally Enforceable Through Title V Permit
26. Within 6 months of the Title V permit being issued, permittee shall apply for an Authority to Construct (ATC) and fully implement either 1) an APCO-approved Compliance Assurance Monitoring (CAM) system as specified in a plan submitted pursuant to 40 CFR 64, Section 60.49b (c) or 2) otherwise comply with the NOx emission monitoring requirements of 40 CFR 64.48b. [40 CFR Part 64] Federally Enforceable Through Title V Permit

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

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-1163-12-2

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

11.814 MMBTU/HR CLAYTON MODEL SEG304-1-LNB NATURAL GAS-FIRED BOILER WITH CLAYTON MODEL UH-29990 LOW NOX BURNER

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. 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 unit shall only be fired on PUC-regulated natural gas. [District Rule 2201; 40 CFR 60.45c(c) and 40 CFR 60.47c(c)] Federally Enforceable Through Title V Permit
4. Facility-wide NOx emissions shall not exceed 20,000 pounds per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Operator shall maintain a non-resettable, totalizing mass or volumetric flow meter in the fuel line of this unit. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Emissions from the natural gas-fired unit shall not exceed any of the following limits: 15 ppmvd NOx @ 3% O2 or 0.018 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 0.0055 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306; 40 CFR 60.45c(c) and 40 CFR 60.47c(c)] Federally Enforceable Through Title V Permit
7. The permittee shall monitor and record the stack concentration of NOx, CO, and O2 at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. 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 month. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
8. If either the NOx or CO concentrations corrected to 3% O2, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. 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 performing the notification and testing required by this condition. [District Rules 4305 and 4306] 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.

9. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken 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. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
10. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 3% O₂, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions 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 NO_x 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. 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
15. NO_x 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
16. 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
17. 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
18. 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
19. 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
20. Records of monthly fuel usage shall be maintained. [District Rule 1070 and 40 CFR 60.48c(c)] Federally Enforceable Through Title V Permit
21. Records of annual fuel consumption and calculated annual pounds of NO_x emissions shall be maintained for this unit. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
22. Permittee shall maintain records of annual heat input (MMBtu) for this unit on a calendar year basis. Such 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 and Rule 4320] 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.

23. Pursuant to Rule 4320, beginning in 2010 the operator shall pay an annual emission fee to the District for NOx emissions from this unit for the previous calendar year. Payments are due by July 1 of each year. Payments shall continue annually until either the unit is permanently removed from service in the District or the operator demonstrates compliance with the applicable NOx emission limit listed in Rule 4320. [District Rule 4320] Federally Enforceable Through Title V Permit
24. The permittee shall maintain daily records of start-up and shutdown durations and number of occurrences of each. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
25. 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; 40 CFR 60.48c(i)] Federally Enforceable Through Title V Permit
26. Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit
27. Permittee shall keep records of the amounts of each fuel combusted during each day. [40 CFR 60, Subpart Dc] Federally Enforceable Through Title V Permit

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

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-1163-13-2

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

8.066 MMBTU/HR CLAYTON MODEL SEG-204-1-LNB NATURAL GAS-FIRED BOILER WITH CLAYTON MODEL UH-29873 LOW NOX BURNER

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. 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 unit shall only be fired on PUC-regulated natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Facility-wide NO_x emissions shall not exceed 20,000 pounds per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Operator shall maintain a non-resettable, totalizing mass or volumetric flow meter in the fuel line of this unit. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Emissions from the natural gas-fired unit shall not exceed any of the following limits: 15 ppmvd NO_x @ 3% O₂ or 0.018 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 50 ppmvd CO @ 3% O₂ or 0.037 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
7. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. 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 month. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
8. If either the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. 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 performing the notification and testing required by this condition. [District Rules 4305 and 4306] 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.

9. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken 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. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
10. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 3% O₂, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions 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 NO_x 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. 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
15. NO_x 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
16. 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
17. 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
18. 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
19. 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
20. Records of annual fuel consumption and calculated annual pounds of NO_x emissions shall be maintained for this unit. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
21. Pursuant to Rule 4320, beginning in 2010 the operator shall pay an annual emission fee to the District for NO_x emissions from this unit for the previous calendar year. Payments are due by July 1 of each year. Payments shall continue annually until either the unit is permanently removed from service in the District or the operator demonstrates compliance with the applicable NO_x emission limit listed in Rule 4320. [District Rule 4320] 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.

22. Permittee shall maintain records of annual heat input (MMBtu) for this unit on a calendar year basis. Such 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 and Rule 4320] Federally Enforceable Through Title V Permit
23. The permittee shall maintain daily records of start-up and shutdown durations and number of occurrences of each. [District Rules 4305, 4306, and 4320] 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. Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit
26. Permittee shall keep records of the amounts of each fuel combusted during each day. [40 CFR 60, Subpart Dc] Federally Enforceable Through Title V Permit

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

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-1163-18-1

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

904 BHP VOLVO MODEL TWD1643GE TIER 2 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE
POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115, and 40 CFR 60 Subpart IIII] Federally Enforceable Through Title V Permit
2. The exhaust stack shall vent vertically upward and be at least 15 feet high. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. The stack velocity shall be 66.86 m/sec or the stack shall be 0.23 meters in diameter with 4,594 acfm. [District Rule 4102]
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] 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 Rules 2201 and 4801, 17 CCR 93115, 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed any of the following limits: 3.9 g-NO_x/bhp-hr, 0.5 g-CO/bhp-hr, or 0.2 g-VOC/bhp-hr. [District Rule 2201, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed 0.07 g-PM₁₀/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. 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 and 40 CFR 60 Subpart IIII] Federally Enforceable Through Title V Permit
9. 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
10. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rule 4702, 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
11. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. 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
13. 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
14. 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
15. 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] Federally Enforceable Through Title V Permit

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

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-1163-19-1

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

99.8 MMBTU/HR BABCOCK & WILCOX BOILER MODEL FM103-79 NATURAL GAS-FIRED BOILER WITH A LOW-NOX BURNER AND A SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM

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 unit shall only be fired on PUC-quality natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Facility-wide NOx emissions shall not exceed 19,999 pounds per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Maximum annual heat input of the unit shall not exceed 212,000 MMBtu per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel combusted in the unit shall be installed, utilized and maintained. [District Rules 2201 and 40 CFR 60.48 (c)(g)] Federally Enforceable Through Title V Permit
6. Except during start-up, emissions from the exhaust of the SCR system serving this boiler shall not exceed any of the following emission limits: 5 ppmv NOx @ 3% O2 or 0.0062 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 50 ppmv CO @ 3% O2 or 0.0364 lb-CO/MMBtu, or 0.0042 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
7. During start-up, emissions from the exhaust of the SCR system serving this boiler shall not exceed any of the following emission limits: 3.36 lb-NOx/hr; 0.3 lb-SOx/hr; 0.75 lb-PM10/hr; 10.36 lb-CO/hr; and 1.04 lb-VOC/hr. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
8. The ammonia emissions from the exhaust of the SCR system serving this boiler shall not exceed 10 ppmvd @ 3% O2. [District Rule 4102]
9. Duration of startup shall not exceed 2 hours per day and 180 hours per year. During startup, the emissions control system shall be in operation, and emissions shall be minimized insofar as technologically possible. The operator shall maintain daily records of the duration of startup periods. [District Rules 2201, 4306, and 4320] Federally Enforceable Through Title V Permit
10. Source testing to measure NOx, CO, and NH3 emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests when unit is fired on natural gas, 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 4102, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
11. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
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 4320. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
14. 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, 4306, and 4320] 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, 4306, and 4320] 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, 4306, and 4320] 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, 4306, and 4320] Federally Enforceable Through Title V Permit
19. Source testing for ammonia slip shall be conducted utilizing BAAQMD Method ST-1B. [District Rule 4102]
20. The permittee shall monitor and record the stack concentration of NOx, CO, NH3 and O2 at least once during each month in which source testing is not performed. NOx, CO and O2 monitoring shall be conducted utilizing a portable analyzer that meets District specifications. NH3 monitoring shall be conducted utilizing gas detection tubes (Dräger brand or District approved equivalent). 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 it has been performed within the last month. [District Rules 4102, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
21. If either the NOx, CO or NH3 concentrations, as measured by the portable analyzer or the District approved ammonia monitoring equipment, exceed the permitted levels the permittee shall return the emissions to compliant levels as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer or the ammonia monitoring equipment continue to show emission limit violations after 1 hour of operation following detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation that is subject to enforcement action has occurred. 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 4102, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
22. All NOx, CO, O2 and ammonia emission readings shall be taken with the unit operating at conditions representative of normal operation or under the conditions specified in the Permit to Operate. The NOx, CO and O2 analyzer as well as the NH3 emission monitoring equipment shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Analyzer readings taken 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 readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4102, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
23. Ammonia emissions readings shall be conducted at the time the NOx, CO and O2 readings are taken. The readings shall be converted to ppmvd @ 3% O2. [District Rule 4102]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

24. The permittee shall submit an analysis showing the fuel's sulfur content at least once every year. Valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts may be used to satisfy this requirement, provided they establish the fuel parameters mentioned above. [District Rule 4320] Federally Enforceable Through Title V Permit
25. The permittee shall maintain records of: (1) the date and time of NO_x, CO, NH₃ and O₂ measurements, (2) the O₂ concentration in percent by volume and the measured NO_x, CO and NH₃ concentrations corrected to 3% O₂, (3) make and model of the portable analyzer, (4) portable analyzer calibration records, (5) the method of determining the NH₃ emission concentration, and (6) a description of any corrective action taken to maintain the emissions at or below the acceptable levels. [District Rules 4102, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
26. Permittee shall maintain daily records of the type and quantity of fuel combusted by the boiler. [District Rules 2201 and 40 CFR 60.48 (c)(g)]
27. 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, 4306, and 4320] Federally Enforceable Through Title V Permit
28. Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit
29. Permittee shall keep records of the amounts of each fuel combusted during each day. [40 CFR 60, Subpart Dc] Federally Enforceable Through Title V Permit
30. Within 6 months of the Title V permit being issued, permittee shall apply for an Authority to Construct (ATC) and fully implement either 1) an APCO-approved Compliance Assurance Monitoring (CAM) system as specified in a plan submitted pursuant to 40 CFR 64, Section 60.49b (c) or 2) otherwise comply with the NO_x emission monitoring requirements of 40 CFR 64.48b. [40 CFR Part 64] Federally Enforceable Through Title V Permit

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

DRAFT

Attachment A

Detailed Facility Printout

Detailed Facility Report
For Facility=1163 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

OLAM TOMATO PROCESSORS INC 1175 19TH AVE LEMOORE, CA 93245	FAC # STATUS: TELEPHONE:	C 1163 A 5594471390	TYPE: TOXIC ID:	TitleV	EXPIRE ON: AREA: INSP. DATE:	08/31/2017 9 / 08/14
---	--------------------------------	--	--------------------	---------------	------------------------------------	---

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-1163-1-9	89.1 MMBTU/HR	3020-02 H	1	1,030.00	1,030.00	A	89.1 MMBTU/HR CLEAVER BROOKS MODEL DL-94 NATURAL GAS-FIRED BOILER WITH A TODD MODEL MISERPAK LOW NOX BURNER AND A HITACHI SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM
C-1163-2-10	91 MMBTU/HR	3020-02 H	1	1,030.00	1,030.00	A	91 MMBTU/HR CLEAVER BROOKS MODEL DL-94 NATURAL GAS-FIRED BOILER WITH A NATCOM LOW NOX BURNER AND VFD CONTROLLED INDUCED FGR
C-1163-3-9	180.06 MMBtu/hr	3020-02 H	1	1,030.00	1,030.00	A	180.06 MMBTU/HR CLEAVER BROOKS MODEL DFE-E NATURAL GAS-FIRED BOILER WITH COEN/TODD VARIFLAME LOW NOX BURNER, FLUE GAS RECIRCULATION SYSTEM AND SCR SYSTEM
C-1163-8-2	120,000 KBTU/HR BOILER	3020-02 H	1	1,030.00	1,030.00	A	120 MMBTU/HR NEBRASKA MODEL NOS-2A-67 NATURAL GAS-FIRED BOILER WITH NATCOM BURNER MODEL P-120-G-32-1824 AND FLUE GAS RECIRCULATION SYSTEM
C-1163-12-1	11,814 KBTU/HR BOILER	3020-02 G	1	815.00	815.00	A	11.814 MMBTU/HR CLAYTON MODEL SEG304-1-LNB NATURAL GAS-FIRED BOILER WITH CLAYTON MODEL UH-29990 LOW NOX BURNER
C-1163-13-1	8,066 KBTU/HR BOILER	3020-01 G	1	815.00	815.00	A	8.066 MMBTU/HR CLAYTON MODEL SEG-204-1-LNB NATURAL GAS-FIRED BOILER WITH CLAYTON MODEL UH-29873 LOW NOX BURNER
C-1163-18-0	904 BHP	3020-10 E	1	602.00	602.00	A	904 BHP VOLVO MODEL TWD1643GE TIER 2 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR
C-1163-19-0	99.8 MMBtu/hr	3020-02 H	1	1,030.00	1,030.00	A	99.8 MMBTU/HR BABCOCK & WILCOX BOILER MODEL FM103-79 NATURAL GAS-FIRED BOILER WITH A LOW-NOX BURNER AND A SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM

Number of Facilities Reported: 1

Attachment B

Exempt Equipment

**San Joaquin Valley
Unified Air Pollution Control District
Title V Application - INSIGNIFICANT ACTIVITIES**

COMPANY NAME: Olam Spices & Vegetable Ingredients

FACILITY ID: C - 1163

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.

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

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

Attachment C

Current SJVUAPCD Permits



Permit to Operate

FACILITY: C-1163

EXPIRATION DATE: 08/31/2017

LEGAL OWNER OR OPERATOR:

OLAM TOMATO PROCESSORS INC

MAILING ADDRESS:

205 E RIVER PARK CIRCLE

SUITE 310

FRESNO, CA 93720

FACILITY LOCATION:

1175 19TH AVE

LEMOORE, CA 93245

FACILITY DESCRIPTION:

AGRICULTURAL PRODUCTS PROCESSING -

FRUITS/VEGETABLES

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-1163-1-9

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

89.1 MMBTU/HR CLEAVER BROOKS MODEL DL-94 NATURAL GAS-FIRED BOILER WITH A TODD MODEL MISERPAK LOW NOX BURNER AND A HITACHI SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM

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]
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. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
5. The unit shall only be fired on PUC-regulated natural gas. [District Rule 2201]
6. The annual heat input for boiler C-1163-1 shall be less than 256,608 MMBtu per calendar year. [District Rule 2201]
7. Facility-wide NOx emissions shall not exceed 20,000 pounds per calendar year. [District Rule 2201]
8. Except during start-up and shutdown, emissions from the exhaust of the SCR system shall not exceed any of the following emission limits: 7 ppmv NOx @ 3% O2 or 0.008 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.0048 lb-PM10/MMBtu, 100 ppmv CO @ 3% O2 or 0.0750 lb-CO/MMBtu, or 0.0060 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306 and 4320]
9. During start-up and shutdown, emissions from the exhaust of the SCR system shall not exceed any of the following emission limits: 2.67 lb-NOx/hr, 0.26 lb-SOx/hr, 0.43 lb-PM10/hr, 6.68 lb-CO/hr, or 0.53 lb-VOC/hr. [District Rules 2201, 4305 4306 and 4320]
10. The ammonia (NH3) emissions from the exhaust of the SCR system serving this boiler shall not exceed 10 ppmvd @ 3% O2. [District Rule 4102]
11. The total duration of startup time shall not exceed either of the following limits: 2.0 hours startup per day or 730 hours total startup time per year. [District Rules 2201, 4305, 4306 and 4320]
12. The total duration of shutdown time shall not exceed either of the following limits: 2.0 hours shutdown per day or 730 hours total shutdown time per year. [District Rules 2201, 4306 and 4320]
13. Duration of start-up or shutdown shall not exceed two hours each per occurrence. During start-up or shutdown, the emissions control system shall be in operation, and emissions shall be minimized insofar as technologically possible. The operator shall maintain daily records of the duration of start-up and shutdown periods. [District Rules 4305, 4306 and 4320]
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 4306 and 4320]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

15. Source testing to measure NO_x, CO, and NH₃ emissions from this unit while fired on natural gas shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests when unit is fired on natural gas, 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 2201, 4102, 4305, 4306 and 4320]
16. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306 and 4320]
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. NO_x 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, 4306 and 4320]
19. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306 and 4320]
20. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306 and 4320]
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, 4306 and 4320]
22. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
23. Ammonia emission readings shall be conducted at the time the NO_x, CO and O₂ readings are taken. The readings shall be converted to ppmvd @ 3% O₂. [District Rules 4305, 4306 and 4320]
24. The permittee shall monitor and record the stack concentration of ammonia (NH₃) at least once during each month in which a source test is not performed. NH₃ monitoring shall be conducted utilizing Draeger tubes or a District approved equivalent method. 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 one day of restarting the unit unless monitoring has been performed within the last month. [District Rule 4102]
25. Source testing for ammonia slip shall be conducted utilizing BAAQMD Method ST-1B. [District Rule 1081]
26. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. 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 month. [District Rules 4305, 4306 and 4320]
27. If either the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. 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 performing the notification and testing required by this condition. [District Rules 4305, 4306 and 4320]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

28. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken 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. [District Rules 4305, 4306 and 4320]
29. Records of annual fuel consumption shall be maintained for each boiler. Fuel consumption for boilers C-1163-2, C-1163-3, C-1163-8, and C-1163-9 shall be recorded from the respective nonresettable, totalizing meters installed in the fuel line of each of those boilers. Fuel consumption for boiler C-1163-1 shall be determined by subtracting the quantity of fuel used from boilers C-1163-2, C-1163-3, C-1163-8, and C-1163-9 from reading on the main utility service meter. [District Rule 2201]
30. The permittee shall maintain records of: (1) the date and time of NO_x, CO, NH₃ and O₂ measurements, (2) the O₂ concentration in percent by volume and the measured NO_x, CO and NH₃ concentrations corrected to 3% O₂, (3) make and model of the portable analyzer, (4) portable analyzer calibration records, (5) the method of determining the NH₃ emission concentration, and (6) a description of any corrective action taken to maintain the emissions at or below the acceptable levels. [District Rules 4305, 4306 and 4320]
31. Daily and annual records of start-up and shutdown durations and number of occurrences of each shall be maintained. [District Rule 2201]
32. 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, 4306 and 4320]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-1163-2-10

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

91 MMBTU/HR CLEAVER BROOKS MODEL DL-94 NATURAL GAS-FIRED BOILER WITH A NATCOM LOW NOX BURNER AND VFD CONTROLLED INDUCED FGR

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions from any combustion source shall not exceed 0.1 grains/dscf (calculated to 12% carbon dioxide). [District Rule 4301]
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. Facility-wide NOx emissions shall not exceed 20,000 pounds per calendar year. [District Rule 2201]
5. The combined annual heat input for boilers C-1163-2, C-1163-3 and C-1163-8 shall be less than 939,074 MMBtu per calendar year. [District Rule 2201]
6. Owner/operator shall maintain a non-resettable, totalizing mass or volumetric flow meter in the fuel line of this unit. [District Rules 4305, 4306 and 4320]
7. The boiler shall be fired solely on PUC regulated natural gas with liquid petroleum as a backup fuel. [District Rule 2201]
8. Record of annual fuel consumption shall be maintained, retained on the premises for at least five years and made available for District inspection upon request. [District Rules 1070 and 2201]
9. This unit shall only be fired on liquid petroleum gas during natural gas curtailment for no more than 336 cumulative hours in a calendar year plus 48 hours per calendar year for equipment testing. [District Rules 4305, 4306 and 4320]
10. The permittee shall maintain records of hours of operation on liquid petroleum. Such records shall be maintained on the premises for at least five years and shall be made available for District inspection upon request. [District Rule 1070]
11. The flue gas recirculation (FGR) system shall be operated in accordance with the manufacturer's specifications whenever the boiler is operating. A copy of the specifications shall be retained on site and made available for District inspection upon request. [District Rule 2201]
12. Emissions from this natural gas-fired unit shall not exceed any of the following limits: 7 ppmvd NOx @ 3% O2 or 0.008 lb-NOx/MMBtu, 0.0029 lb-SOx/MMBtu, 0.0048 lb-PM10/MMBtu, 50 ppmvd CO @ 3% O2 or 0.037 lb-CO/MMBtu, or 0.0041 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306 and 4320]
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, 4306 and 4320]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. NO_x 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, 4306 and 4320]
15. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306 and 4320]
16. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306 and 4320]
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. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
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, 4306 and 4320]
20. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306 and 4320]
21. 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, 4306 and 4320]
22. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. 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 month. [District Rules 4305, 4306 and 4320]
23. If either the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. 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 performing the notification and testing required by this condition. [District Rules 4305, 4306 and 4320]
24. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken 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. [District Rules 4305, 4306 and 4320]
25. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 3% O₂, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305, 4306 and 4320]
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, 4306 and 4320]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-1163-3-9

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

180.06 MMBTU/HR CLEAVER BROOKS MODEL DFE-E NATURAL GAS-FIRED BOILER WITH COEN/TODD VARIFLAME LOW NOX BURNER, FLUE GAS RECIRCULATION SYSTEM AND SCR SYSTEM

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
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 unit shall only be fired on PUC-quality natural gas. [District Rule 2201]
5. Facility-wide NOx emissions shall not exceed 19,999 pounds per calendar year. [District Rule 2201]
6. The combined annual heat input for boilers C-1163-2, C-1163-3 and C-1163-8 shall be less than 939,074 MMBtu per calendar year. [District Rule 2201]
7. Owner/operator shall maintain a non-resettable, totalizing mass or volumetric flow meter in the fuel line of this unit. [District Rules 4305, 4306, and 4320]
8. The flue gas recirculation (FGR) system shall be operated in accordance with the manufacturer's specifications whenever the boiler is operating. A copy of the specifications shall be retained on site and made available for District inspection upon request. [District Rule 2201]
9. The District shall be notified of any breakdown conditions in accordance with Rule 1100 (Equipment Breakdown). [District Rule 1100]
10. Except during start-up, emissions from the exhaust of the SCR system serving this boiler shall not exceed any of the following emission limits: 5 ppmv NOx @ 3% O2 or 0.0062 lb-NOx/MMBtu, 0.0029 lb-SOx/MMBtu, 0.0048 lb-PM10/MMBtu, 50 ppmv CO @ 3% O2 or 0.037 lb-CO/MMBtu, or 0.0042 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, and 4320]
11. During start-up, emissions from the exhaust of the SCR system serving this boiler shall not exceed any of the following emission limits: 1.95 lb-NOx/hr; 0.5 lb-SOx/hr; 0.85 lb-PM10/hr; 6.65 lb-CO/hr; and 0.4 lb-VOC/hr. [District Rules 2201, 4305, 4306, and 4320]
12. The ammonia emissions from the exhaust of the SCR system serving this boiler shall not exceed 5 ppmvd @ 3% O2. [District Rule 4102]
13. Duration of startup shall not exceed 2 hours per day and 180 hours per year. During startup, the emissions control system shall be in operation, and emissions shall be minimized insofar as technologically possible. The operator shall maintain daily records of the duration of startup periods. [District Rules 2201, 4306, and 4320]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Source testing to measure NO_x, CO, and NH₃ emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests when unit is fired on natural gas, 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, 4306, and 4320]
15. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
16. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, and 4320]
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 4320. [District Rules 4305, 4306, and 4320]
18. 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, 4306, and 4320]
19. 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]
20. NO_x 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, 4306, and 4320]
21. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306, and 4320]
22. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306, and 4320]
23. Source testing for ammonia slip shall be conducted utilizing BAAQMD Method ST-1B. [District Rule 1081]
24. The permittee shall monitor and record the stack concentration of NO_x, CO, NH₃ and O₂ at least once during each month in which source testing is not performed. NO_x, CO and O₂ monitoring shall be conducted utilizing a portable analyzer that meets District specifications. NH₃ monitoring shall be conducted utilizing gas detection tubes (Draeger brand or District approved equivalent). 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 it has been performed within the last month. [District Rules 4305, 4306, and 4320]
25. If either the NO_x, CO or NH₃ concentrations, as measured by the portable analyzer or the District approved ammonia monitoring equipment, exceed the permitted levels the permittee shall return the emissions to compliant levels as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer or the ammonia monitoring equipment continue to show emission limit violations after 1 hour of operation following detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation that is subject to enforcement action has occurred. 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 4320]
26. All NO_x, CO, O₂ and ammonia emission readings shall be taken with the unit operating at conditions representative of normal operation or under the conditions specified in the Permit to Operate. The NO_x, CO and O₂ analyzer as well as the NH₃ emission monitoring equipment shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Analyzer readings taken 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 readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305, 4306, and 4320]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

27. Ammonia emissions readings shall be conducted at the time the NO_x, CO and O₂ readings are taken. The readings shall be converted to ppmvd @ 3% O₂. [District Rules 4305, 4306, and 4320]
28. The permittee shall submit an analysis showing the fuel's sulfur content at least once every year. Valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts may be used to satisfy this requirement, provided they establish the fuel parameters mentioned above. [District Rule 4320]
29. The permittee shall maintain records of: (1) the date and time of NO_x, CO, NH₃ and O₂ measurements, (2) the O₂ concentration in percent by volume and the measured NO_x, CO and NH₃ concentrations corrected to 3% O₂, (3) make and model of the portable analyzer, (4) portable analyzer calibration records, (5) the method of determining the NH₃ emission concentration, and (6) a description of any corrective action taken to maintain the emissions at or below the acceptable levels. [District Rules 4305, 4306, and 4320]
30. Records of annual fuel consumption shall be maintained, retained on the premises for at least five years and made available for District inspection upon request. [District Rules 1070 and 2201]
31. 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, 4306, and 4320]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-1163-8-2

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

120 MMBTU/HR NEBRASKA MODEL NOS-2A-67 NATURAL GAS-FIRED BOILER WITH NATCOM BURNER MODEL P-120-G-32-1824 AND FLUE GAS RECIRCULATION SYSTEM

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. All spillage and waste water from processing of tomatoes shall be stored and handled so as to not create a public nuisance. [District Rule 4102]
3. Particulate matter emissions from any combustion source shall not exceed 0.1 grains/dscf (calculated to 12% carbon dioxide). [District Rule 4301]
4. 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]
5. The unit shall only be fired on PUC-regulated natural gas. [District Rule 2201]
6. Facility-wide NOx emissions shall not exceed 20,000 pounds per calendar year. [District Rule 2201]
7. The combined annual heat input for boilers C-1163-2, C-1163-3 and C-1163-8 shall be less than 939,074 MMBtu per calendar year. [District Rule 2201]
8. Owner/operator shall maintain a non-resettable, totalizing mass or volumetric flow meter in the fuel line of this unit. [District Rules 4305 and 4306]
9. Records of annual fuel consumption shall be maintained, retained on the premises for at least five years and made available for District inspection upon request. [District Rules 1070 and 2201]
10. Emissions from this natural gas-fired unit shall not exceed any of the following limits: 9 ppmvd NOx @ 3% O2 or 0.0108 lb-NOx/MMBtu, 0.0029 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 45 ppmvd CO @ 3% O2 or 0.033 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306]
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]
12. 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]
13. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305 and 4306]
14. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [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.

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]
16. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
17. 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]
18. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306]
19. 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]
20. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. 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 month. [District Rules 4305 and 4306]
21. If either the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. 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 performing the notification and testing required by this condition. [District Rules 4305 and 4306]
22. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken 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. [District Rules 4305 and 4306]
23. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 3% O₂, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305 and 4306]
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]
25. Permittee shall maintain records of annual heat input (MMBtu) for this unit on a calendar year basis. Such 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 and Rule 4320]
26. Pursuant to Rule 4320, beginning in 2010 the operator shall pay an annual emission fee to the District for NO_x emissions from this unit for the previous calendar year. Payments are due by July 1 of each year. Payments shall continue annually until either the unit is permanently removed from service in the District or the operator demonstrates compliance with the applicable NO_x emission limit listed in Rule 4320. [District Rule 4320]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-1163-12-1

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

11,814 MMBTU/HR CLAYTON MODEL SEG304-1-LNB NATURAL GAS-FIRED BOILER WITH CLAYTON MODEL UH-29990 LOW NOX BURNER

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. All spillage and waste water from processing of tomatoes shall be stored and handled so as to not create a public nuisance. [District Rule 4102]
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 2201]
6. The unit shall only be fired on PUC-regulated natural gas. [District Rule 2201; 40 CFR 60.45c(c) and 40 CFR 60.47c(c)]
7. Facility-wide NO_x emissions shall not exceed 20,000 pounds per calendar year. [District Rule 2201]
8. Operator shall maintain a non-resettable, totalizing mass or volumetric flow meter in the fuel line of this unit. [District Rule 2201]
9. Emissions from the natural gas-fired unit shall not exceed any of the following limits: 15 ppmvd NO_x @ 3% O₂ or 0.018 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 50 ppmvd CO @ 3% O₂ or 0.037 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306; 40 CFR 60.45c(c) and 40 CFR 60.47c(c)]
10. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. 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 month. [District Rules 4305 and 4306]
11. If either the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. 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 performing the notification and testing required by this condition. [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.

12. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken 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. [District Rules 4305 and 4306]
13. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 3% O₂, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305 and 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 NO_x 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. NO_x 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. Records of monthly fuel usage shall be maintained. [District Rule 1070 and 40 CFR 60.48c(c)]
24. Records of annual fuel consumption and calculated annual pounds of NO_x emissions shall be maintained for this unit. [District Rules 1070 and 2201]
25. 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; 40 CFR 60.48c(i)]
26. Permittee shall maintain records of annual heat input (MMBtu) for this unit on a calendar year basis. Such 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 and Rule 4320]
27. Pursuant to Rule 4320, beginning in 2010 the operator shall pay an annual emission fee to the District for NO_x emissions from this unit for the previous calendar year. Payments are due by July 1 of each year. Payments shall continue annually until either the unit is permanently removed from service in the District or the operator demonstrates compliance with the applicable NO_x emission limit listed in Rule 4320. [District Rule 4320]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-1163-13-1

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

8.066 MMBTU/HR CLAYTON MODEL SEG-204-1-LNB NATURAL GAS-FIRED BOILER WITH CLAYTON MODEL UH-29873 LOW NOX BURNER

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. All spillage and waste water from processing of tomatoes shall be stored and handled so as to not create a public nuisance. [District Rule 4102]
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 2201]
6. The unit shall only be fired on PUC-regulated natural gas. [District Rule 2201]
7. Facility-wide NOx emissions shall not exceed 20,000 pounds per calendar year. [District Rule 2201]
8. Operator shall maintain a non-resettable, totalizing mass or volumetric flow meter in the fuel line of this unit. [District Rule 2201]
9. Emissions from the natural gas-fired unit shall not exceed any of the following limits: 15 ppmvd NOx @ 3% O2 or 0.018 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 0.0055 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306]
10. The permittee shall monitor and record the stack concentration of NOx, CO, and O2 at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. 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 month. [District Rules 4305 and 4306]
11. If either the NOx or CO concentrations corrected to 3% O2, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. 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 performing the notification and testing required by this condition. [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.

12. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken 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. [District Rules 4305 and 4306]
13. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 3% O₂, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305 and 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 NO_x 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. NO_x 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. Records of annual fuel consumption and calculated annual pounds of NO_x emissions shall be maintained for this unit. [District Rules 1070 and 2201]
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]
25. Pursuant to Rule 4320, beginning in 2010 the operator shall pay an annual emission fee to the District for NO_x emissions from this unit for the previous calendar year. Payments are due by July 1 of each year. Payments shall continue annually until either the unit is permanently removed from service in the District or the operator demonstrates compliance with the applicable NO_x emission limit listed in Rule 4320. [District Rule 4320]
26. Permittee shall maintain records of annual heat input (MMBtu) for this unit on a calendar year basis. Such 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 and Rule 4320]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-1163-18-0

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

904 BHP VOLVO MODEL TWD1643GE TIER 2 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE
POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115, and 40 CFR 60 Subpart IIII]
2. The exhaust stack shall vent vertically upward and be at least 15 feet high. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rules 2201 and 4102]
3. The stack velocity shall be 66.86 m/sec or the stack shall be 0.23 meters in diameter with 4,594 acfm. [District Rule 2201]
4. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
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. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
7. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 17 CCR 93115, 40 CFR Part 60 Subpart IIII]
8. Emissions from this IC engine shall not exceed any of the following limits: 3.9 g-NOx/bhp-hr, 0.5 g-CO/bhp-hr, or 0.2 g-VOC/bhp-hr. [District Rule 2201, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII]
9. Emissions from this IC engine shall not exceed 0.07 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII]
10. 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 and 40 CFR 60 Subpart IIII]
11. 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]
12. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rule 4702, 17 CCR 93115 and 40 CFR Part 60 Subpart IIII]
13. 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]
14. 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]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

15. 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]
16. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115]
17. 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.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-1163-19-0

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

99.8 MMBTU/HR BABCOCK & WILCOX BOILER MODEL FM103-79 NATURAL GAS-FIRED BOILER WITH A LOW-NOX BURNER AND A SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
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 unit shall only be fired on PUC-quality natural gas. [District Rule 2201]
5. Facility-wide NO_x emissions shall not exceed 19,999 pounds per calendar year. [District Rule 2201]
6. Maximum annual heat input of the unit shall not exceed 212,000 MMBtu per calendar year. [District Rule 2201]
7. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel combusted in the unit shall be installed, utilized and maintained. [District Rules 2201 and 40 CFR 60.48 (c)(g)]
8. Except during start-up, emissions from the exhaust of the SCR system serving this boiler shall not exceed any of the following emission limits: 5 ppmv NO_x @ 3% O₂ or 0.0062 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 50 ppmv CO @ 3% O₂ or 0.0364 lb-CO/MMBtu, or 0.0042 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, and 4320]
9. During start-up, emissions from the exhaust of the SCR system serving this boiler shall not exceed any of the following emission limits: 3.36 lb-NO_x/hr; 0.3 lb-SO_x/hr; 0.75 lb-PM₁₀/hr; 10.36 lb-CO/hr; and 1.04 lb-VOC/hr. [District Rules 2201, 4305, 4306, and 4320]
10. The ammonia emissions from the exhaust of the SCR system serving this boiler shall not exceed 10 ppmvd @ 3% O₂. [District Rule 4102]
11. Duration of startup shall not exceed 2 hours per day and 180 hours per year. During startup, the emissions control system shall be in operation, and emissions shall be minimized insofar as technologically possible. The operator shall maintain daily records of the duration of startup periods. [District Rules 2201, 4306, and 4320]
12. Source testing to measure NO_x, CO, and NH₃ emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests when unit is fired on natural gas, 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, 4306, and 4320]
13. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
14. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, and 4320]

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

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 4320. [District Rules 4305, 4306, and 4320]
16. 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, 4306, and 4320]
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. NO_x 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, 4306, and 4320]
19. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306, and 4320]
20. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306, and 4320]
21. Source testing for ammonia slip shall be conducted utilizing BAAQMD Method ST-1B. [District Rule 1081]
22. The permittee shall monitor and record the stack concentration of NO_x, CO, NH₃ and O₂ at least once during each month in which source testing is not performed. NO_x, CO and O₂ monitoring shall be conducted utilizing a portable analyzer that meets District specifications. NH₃ monitoring shall be conducted utilizing gas detection tubes (Draeger brand or District approved equivalent). 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 it has been performed within the last month. [District Rules 4305, 4306, and 4320]
23. If either the NO_x, CO or NH₃ concentrations, as measured by the portable analyzer or the District approved ammonia monitoring equipment, exceed the permitted levels the permittee shall return the emissions to compliant levels as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer or the ammonia monitoring equipment continue to show emission limit violations after 1 hour of operation following detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation that is subject to enforcement action has occurred. 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 4320]
24. All NO_x, CO, O₂ and ammonia emission readings shall be taken with the unit operating at conditions representative of normal operation or under the conditions specified in the Permit to Operate. The NO_x, CO and O₂ analyzer as well as the NH₃ emission monitoring equipment shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Analyzer readings taken 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 readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305, 4306, and 4320]
25. Ammonia emissions readings shall be conducted at the time the NO_x, CO and O₂ readings are taken. The readings shall be converted to ppmvd @ 3% O₂. [District Rules 4305, 4306, and 4320]
26. The permittee shall submit an analysis showing the fuel's sulfur content at least once every year. Valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts may be used to satisfy this requirement, provided they establish the fuel parameters mentioned above. [District Rule 4320]

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

27. The permittee shall maintain records of: (1) the date and time of NO_x, CO, NH₃ and O₂ measurements, (2) the O₂ concentration in percent by volume and the measured NO_x, CO and NH₃ concentrations corrected to 3% O₂, (3) make and model of the portable analyzer, (4) portable analyzer calibration records, (5) the method of determining the NH₃ emission concentration, and (6) a description of any corrective action taken to maintain the emissions at or below the acceptable levels. [District Rules 4305, 4306, and 4320]
28. Permittee shall maintain daily records of the type and quantity of fuel combusted by the boiler. [District Rules 2201 and 40 CFR 60.48 (c)(g)]
29. 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, 4306, and 4320]

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