San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUG 2 1 2014

Mr. Chris Bennett
Olam West Coast, Inc.
205 E. River Park Circle, Suite 310
Fresno, CA 93720

Re: Notice of Preliminary Decision - Federally Mandated Operating Permit
District Facility # C-7748
Project # C-1140318

Dear Mr. Bennett:

Enclosed for your review is the District's analysis of Olam West Coast, Inc.'s application for the Federally Mandated Operating Permit for its operation at 47641 W. Nees Avenue in Firebaugh, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. After addressing all comments made during the 30-day public notice and the 45-day EPA comment periods, the District intends to issue the Federally Mandated Operating Permit. Please submit your written comments on this project within the 30-day public comment period, as specified in the enclosed public notice.

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

Sincerely,

Arnaud Marjollet
Director of Permit Services

Enclosures

cc: Mike Tollstrup, CARB (w/enclosure) via email
cc: Gerardo C. Rios, EPA (w/enclosure) via email

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

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Bakersfield, CA 93308-9725
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SAN JOAQUIN VALLEY
UNIFIED AIR POLLUTION CONTROL DISTRICT

OLAM WEST COAST, INC.

ENGINEERING EVALUATION

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TITLE V APPLICATION REVIEW

Project #: C-1140318
Deemed Complete: February 27, 2014

Engineer: Jonah Aiyabei
Date: August 18, 2014

Facility Number: C-7748
Facility Name: Olam West Coast, Inc.
Mailing Address: 205 E. River Park Circle, Ste 310
Fresno, CA 93720

Contact Name: Rick Harker
Phone: (408) 846-3408

Responsible Official: Chris Bennett
Title: Plant Manager

I. PROPOSAL

Olam West Coast, Inc. is proposing that an initial Title V permit be issued for its vegetable dehydration operation at 47641 W. Nees Avenue in Firebaugh. 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 West Coast, Inc. is located at 47641 W. Nees Avenue in Firebaugh, Fresno County.

III. EQUIPMENT LISTING

A detailed facility report 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 has requested to utilize template #*SJV-UM-0-3, Facility-wide Umbrella General Permit Template*. 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 form 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-7748-0-1.

VI. REQUIREMENTS ADDRESSED BY GENERAL PERMIT TEMPLATES

- District Rule 1100, Equipment Breakdown, (amended December 17, 1992)
- District Rule 1160, Emission Statements, (adopted November 18, 1992)
- District Rule 2010, Permits Required, (amended December 17, 1992)
- District Rule 2020, Exemptions, (amended August 18, 2011)[1]
- District Rule 2031, Transfer of Permits, (amended December 17, 1992)
- District Rule 2040, Applications, (amended December 17, 1992)
- District Rule 2070, Standards for Granting Applications, (amended December 17, 1992)

[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, Federally Mandated Operating Permits, 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, (amended June 21, 2001)
- District Rule 4101, Visible Emissions, (amended February 17, 2005)
- District Rule 4601, Architectural Coatings, (amended December 17, 2009)
- District Rule 8021, Construction, Demolition, Excavation, Extraction, 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 61, Subpart M, National Emission Standard for Asbestos, (amended September 18, 2003)
- 40 CFR Part 82, Subpart B, Stratospheric Ozone, (amended November 9, 2007)
- 40 CFR Part 82, Subpart F, Stratospheric Ozone, (amended June 8, 2008)

VII. REQUIREMENTS NOT ADDRESSED BY GENERAL PERMIT TEMPLATES

- District Rule 1070, Inspections, (amended December 17, 1992)
- District Rule 1081, Source Sampling, (amended December 16, 1993)
- District Rule 2201, New and Modified Stationary Source Review Rule, (amended April 21, 2011)

- District Rule 2410, Prevention of Significant Deterioration, (adopted June 16, 2011)
- District Rule 4201, Particulate Matter Concentration, (amended December 17, 1992)
- District Rule 4301, Fuel Burning Equipment, (amended December 17, 1992)
- District Rule 4304, Equipment Tuning Procedure for Boilers, Steam Generators and Process Heaters, (adopted October 19, 1995)
- District Rule 4305, Boilers, Steam Generators, and Process Heaters - Phase 2, (amended August 21, 2003)
- District Rule 4306, Boilers, Steam Generators, and Process Heaters - Phase 3, (amended October 16, 2008)
- District Rule 4309, Dryers, Dehydrators, and Ovens, (amended December 15, 2005)
- District Rule 4320, Advanced Emission Reduction Options for Boilers, Steam Generators, and Process Heaters Greater Than 5.0 MMBtu/Hr, (amended October 16, 2008)
- District Rule 4351, Boilers, Steam Generators, and Process Heaters - Phase 1, (amended August 21, 2003)
- District Rule 4701, Internal Combustion Engines – Phase 1, (amended August 21, 2003)
- District Rule 4702, Internal Combustion Engines, (amended November 14, 2013)
- District Rule 4801, Sulfur Compounds, (amended December 17, 1992)
- 40 CFR Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units
- 40 CFR Part 60, Subpart JJJJ, Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
- 40 CFR Part 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

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

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 District-only requirements that are not currently federally enforceable:

District Rule 4102 – Nuisance

This rule prevents the discharge from any source whatsoever such quantities of air contaminants or other materials which cause injury, detriment, nuisance or annoyance to any considerable number of persons or to the public or which endanger the comfort, repose, health or safety of any such person or the public or which cause or have a natural tendency to cause injury or damage to business or property.

a. C-7748-0-1: Facility-Wide Requirements

   - Condition 41 of the requirements for this permit unit is based on this requirement and is therefore not federally enforceable through Title V.

b. C-7748-10-6: 54 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE A) WITH ONE 54 MMBTU/HR MAXON MODEL SERIES A NATURAL GAS-FIRED BURNER SERVED BY TWO CYCLONES

c. C-7748-11-6: 54 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE B) WITH ONE 54 MMBTU/HR MAXON MODEL SERIES A NATURAL GAS-FIRED BURNER SERVED BY TWO CYCLONES

d. C-7748-13-6: 69 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE D) WITH TWO 20 MMBTU/HR MAXON MODEL NP1, THREE 8 MMBTU/HR MAXON MODEL NP1, AND ONE 5 MMBTU/HR NATURAL GAS-FIRED BURNERS SERVED BY TWO CYCLONES AND ASSOCIATED ONION SLICER EQUIPMENT

   - Condition 2 of the requirements for these permit units is based on this requirement and is therefore not federally enforceable through Title V.

IX. COMPLIANCE

A. Requirements Addressed by Model General Permit Templates

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

B. Requirements Not Addressed by Model General Permit Templates

1. District Rule 1070 – Inspections

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

Comparison of District Rule 1070 to Fresno County Rule 107		
REQUIREMENTS	District Rule 1070	Fresno County Rule 107
Inspections shall be made by the enforcement agency for the purpose of obtaining information necessary to determine whether air pollution sources are in compliance with applicable rules and regulations.	X	X
The District also has the authority to require record keeping, to make inspections and to conduct tests of air pollution sources.	X	X

a. C-7748-1-4: VEGETABLE MILLING OPERATION (MILL ROOM #1) CONSISTING OF A SWECO SEPARATORS, HAMMER MILL, POWDER MILL, ROLLER MILL, ROTO SEIVE, DUMP STATIONS, VIBRATING TABLE, GREAT WESTERN ROTATING SCREEN, AIR TABLE, AND TWO POWDER COLSOLIDATION UNITS (BAGHOUSE UNITS) ALL SERVED BY A 22,000 CFM SAUNCO MODEL 128FLB-144 BAGHOUSE DUST COLLECTOR, AND A SCANMASTER SATAKE COLOR SORTER

- Condition 15 of the requirements for this permit unit ensures compliance with this rule.

b. C-7748-2-5: VEGETABLE MILLING OPERATION (MILL ROOM #2-2) CONSISTING OF MTMA SEPARATORS, MVSB SEPARATORS, SWECO SEPARATORS, UNIFLOW SEPARATORS, PRECISION SIZER SEPARATORS, GREAT WESTERN ROTATING SCREEN SEPARATORS, HAMMER MILLS, CAGE MILLS, DESTONERS, DRAG CHAIN CONVEYORS, VIBRATING TABLES, BUCKET ELEVATORS, BELT CONVEYORS, SCAN MASTER SATAKE COLOR SORTERS, CYCLONE SEPARATORS, SCREW CONVEYORS, CABLEVEY, AIRLOCKS, AND FANS ALL SERVED BY SAUNCO MODEL SJB12-144-2880 BAGHOUSE DUST COLLECTOR AND SAUNCO MODEL 128FLB-144 BAGHOUSE DUST COLLECTOR AND POWDER RESCREENER, POWDER/GRANULATED GREAT WESTERN ROTATING SCREEN SEPARATORS, BAUERMEISTER POWDER MILLS, FITZ MILLS, ROLLER MILLS, DRUM DUMPER, P1 BIN, P2/P3 BIN, P4 BIN, HOLDING/SURGE BINS, COOL DOWN BINS, BATCH BLENDERS, PACKOUT INFEED RESCREENERS, INFEED CONVEYORS, SCREW CONVEYORS, SURGE HOPPERS, AUGER PACKER, TWO PRESSURE FANS, VIBRATORY DRUM FILLING STATIONS, TOTE/SUPERSACK FILLING STATIONS, CYCLONE SEPARATORS, CABLEVEY, AIRLOCKS, AND FANS ALL SERVED BY AIRLANCO MODEL144AVS12 BAGHOUSE

- Condition 20 of the requirements for this permit unit ensures compliance with this rule.

c. C-7748-5-3: VEGETABLE PACKAGING OPERATION CONSISTING OF, PRODUCT DUMP STATIONS, TWO VIBRATING CONVEYORS, AND TWO SCREW CONVEYORS ALL SERVED BY A 19,200 CFM SAUNCO MODEL 128FLB-144 BAGHOUSE DUST COLLECTOR, AND A TAYLOR MODEL IBC 3000 BULK BAG/TOTE/DRUM FILLER AND ASSOCIATED BELT & ROLLER CONVEYORS

d. C-7748-6-2: BLENDING AND PACKAGING OPERATION (EAST WAREHOUSE 5) CONSISTING OF A MUNSON CONTINUOUS MIXER, VIBRATING TABLE, ASSOCIATED AUGERS AND ROTEX SIFTER ALL SERVED BY WILKEY MODEL #144BL144 BAGHOUSE DUST COLLECTOR

- Condition 15 of the requirements for these permit units ensures compliance with this rule.

e. C-7748-7-2: VEGETABLE ROOM (ACROSS FROM MILLROOM 3) CONSISTING OF A ROTO SIEVE, VIBRATOR TABLE, AND POWDER MILL ALL SERVED BY A 3,000 CFM SAUNCO MODEL

96ABR52 BAGHOUSE DUST COLLECTOR

- Condition 14 of the requirements for this permit unit ensures compliance with this rule.

f. C-7748-8-2: AGGLOMERATION OPERATION WITH ONE AGGLOMERATOR ROOM CONSISTING OF TWO GLATT PRODUCT AGGLOMERATORS AND ONE AGG SIFTER ROOM CONSISTING OF TWO HOPPERS, TWO GYRO WHIP SIFTERS, TWO BUCKET ELEVATORS, TWO FRITZ MILLS, AND ONE DUMPER STATION SERVED BY A SENECA MODEL 35-1M-8 BAGHOUSE

- Condition 15 of the requirements for this permit unit ensures compliance with this rule.

g. C-7748-9-1: BULK PRODUCT UNLOADING CONSISTING OF ONE ROLLER TABLE AND ASSOCIATED CONVEYORS ALL SERVED BY A 7,200 CFM SAUNCO MODEL 8-SFLB-81 BAGHOUSE DUST COLLECTOR, AND AN ADDITIONAL BACKUP DUMP STATION

- Condition 14 of the requirements for this permit unit ensures compliance with this rule.

h. C-7748-10-6: 54 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE A) WITH ONE 54 MMBTU/HR MAXON MODEL SERIES A NATURAL GAS-FIRED BURNER SERVED BY TWO CYCLONES

i. C-7748-11-6: 54 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE B) WITH ONE 54 MMBTU/HR MAXON MODEL SERIES A NATURAL GAS-FIRED BURNER SERVED BY TWO CYCLONES

- Condition 16 of the requirements for these permit units ensures compliance with this rule.

j. C-7748-12-1: VEGETABLE DEHYDRATION OPERATION (LINE C) WITH STEAM PROVIDED FROM UNIT -14 AND SERVED BY A 12,000 CFM SAUNCO MODEL 10-SIFT-100 BAGHOUSE DUST COLLECTOR WITH PRE-DEHYDRATION EQUIPMENT AND POST-DEHYDRATION EQUIPMENT (ASPIRATORS & NIPPLE SEPARATORS)

- Condition 14 of the requirements for this permit unit ensures compliance with this rule.

k. C-7748-13-6: 69 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE D) WITH TWO 20 MMBTU/HR MAXON MODEL NP1, THREE 8 MMBTU/HR MAXON MODEL NP1, AND ONE 5 MMBTU/HR NATURAL GAS-FIRED BURNERS SERVED BY TWO CYCLONES AND ASSOCIATED ONION SLICER EQUIPMENT

- Condition 16 of the requirements for this permit unit ensures compliance with this rule.

l. C-7748-14-5: 29.4 MMBTU/HR CLEAVER BROOKS MODEL CBI 700 NATURAL GAS-FIRED BOILER WITH A ERIB GIDEON MODEL ERIB 800 ULTRA LOW NOX BURNER AND O2 TRIM SYSTEM

- Condition 21 of the requirements for this permit unit ensures compliance with this rule.

m. C-7748-16-3: 1877 HP DEUTZ MODEL TBG620V16 NATURAL GAS-FIRED IC ENGINE EQUIPPED WITH A MIRATECH SCR SYSTEM, POWERING A 1350 KW GENERATOR

- Condition 22 of the requirements for this permit unit ensures compliance with this rule.

n. C-7748-17-1: KNIFE SHARPENING OPERATION CONSISTING OF SIX (6) KNIFE SHARPENING MACHINES ALL SERVED BY A SAUNCO MODEL SFSB 6-25-245 BAGHOUSE

o. C-7748-18-1: FLAKE BLENDING OPERATION CONSISTING OF A BICONIC BLENDER WITH DRUM DUMPER AND TAKE-AWAY CONVEYOR ALL SERVED BY A WILKEY MODEL #144BL144 BAGHOUSE DUST COLLECTOR SHARED WITH PERMIT C-7748-6

- Condition 14 of the requirements for these permit units ensures compliance with this rule.

2. District Rule 1081 – Source Sampling

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

Section 7.0 requires that the District must be notified 30 days prior to any compliance source testing and the owner shall submit a source test plan

for District approval 15 days prior to source sampling; and that source test reports must be submitted to the District within 60 days of completion of field testing.

a. C-7748-14-5: 29.4 MMBTU/HR CLEAVER BROOKS MODEL CBI 700 NATURAL GAS-FIRED BOILER WITH A ERIB GIDEON MODEL ERIB 800 ULTRA LOW NOX BURNER AND O2 TRIM SYSTEM

   - Conditions 9 and 14 of the requirements for this permit unit ensure compliance with this rule.

b. C-7748-16-3: 1877 HP DEUTZ MODEL TBG620V16 NATURAL GAS-FIRED IC ENGINE EQUIPPED WITH A MIRATECH SCR SYSTEM, POWERING A 1350 KW GENERATOR

   - Conditions 11 through 13 of the requirements for this permit unit ensure compliance with this rule.

3. District Rule 2020 – Exemptions

District Rule 2020 lists equipment which is specifically exempt from obtaining permits and specifies recordkeeping requirements to verify such exemptions. The amendments to this rule do not have any effect on current permit requirements and will therefore not be addressed in this evaluation.

4. District Rule 2201 – New and Modified Stationary Source Review Rule

Permit units C-7748-1 through C-7748-18 were subject to the District Rule 2201 upon application for Authority to Construct (ATC). In accordance with the White Paper for Streamlined Development of Part 70 Permit Applications, dated July 10, 1995, conditions from the resulting Permit to Operate (PTO) were addressed to define how NSR permit terms should be incorporated into the Title V permit.

a. C-7748-1-4: VEGETABLE MILLING OPERATION (MILL ROOM #1) CONSISTING OF A SWECO SEPARATORS, HAMMER MILL, POWDER MILL, ROLLER MILL, ROTO SEIVE, DUMP STATIONS, VIBRATING TABLE, GREAT WESTERN ROTATING SCREEN, AIR TABLE, AND TWO POWDER COLSOLIDATION UNITS (BAGHOUSE UNITS) ALL SERVED BY A 22,000 CFM SAUNCO MODEL 128FLB-144 BAGHOUSE DUST COLLECTOR, AND A SCANMASTER SATAKE COLOR SORTER

   - Conditions 1 through 13 from the current PTO have been included

as conditions 2 through 14 of the requirements for the proposed permit.

b. C-7748-2-5: VEGETABLE MILLING OPERATION (MILL ROOM #2-2) CONSISTING OF MTMA SEPARATORS, MVSB SEPARATORS, SWECO SEPARATORS, UNIFLOW SEPARATORS, PRECISION SIZER SEPARATORS, GREAT WESTERN ROTATING SCREEN SEPARATORS, HAMMER MILLS, CAGE MILLS, DESTONERS, DRAG CHAIN CONVEYORS, VIBRATING TABLES, BUCKET ELEVATORS, BELT CONVEYORS, SCAN MASTER SATAKE COLOR SORTERS, CYCLONE SEPARATORS, SCREW CONVEYORS, CABLEVEY, AIRLOCKS, AND FANS ALL SERVED BY SAUNCO MODEL SJB12-144-2880 BAGHOUSE DUST COLLECTOR AND SAUNCO MODEL 128FLB-144 BAGHOUSE DUST COLLECTOR AND POWDER RESCREENER, POWDER/GRANULATED GREAT WESTERN ROTATING SCREEN SEPARATORS, BAUERMEISTER POWDER MILLS, FITZ MILLS, ROLLER MILLS, DRUM DUMPER, P1 BIN, P2/P3 BIN, P4 BIN, HOLDING/SURGE BINS, COOL DOWN BINS, BATCH BLENDERS, PACKOUT INFEED RESCREENERS, INFEED CONVEYORS, SCREW CONVEYORS, SURGE HOPPERS, AUGER PACKER, TWO PRESSURE FANS, VIBRATORY DRUM FILLING STATIONS, TOTE/SUPERSACK FILLING STATIONS, CYCLONE SEPARATORS, CABLEVEY, AIRLOCKS, AND FANS ALL SERVED BY AIRLANCO MODEL144AVS12 BAGHOUSE

- Conditions 2 through 4, and 6 through 20 from the current PTO have been included as conditions 1 through 3, and 5 through 19 of the requirements for the proposed permit.

c. C-7748-5-3: VEGETABLE PACKAGING OPERATION CONSISTING OF, PRODUCT DUMP STATIONS, TWO VIBRATING CONVEYORS, AND TWO SCREW CONVEYORS ALL SERVED BY A 19,200 CFM SAUNCO MODEL 128FLB-144 BAGHOUSE DUST COLLECTOR, AND A TAYLOR MODEL IBC 3000 BULK BAG/TOTE/DRUM FILLER AND ASSOCIATED BELT & ROLLER CONVEYORS

d. C-7748-6-2: BLENDING AND PACKAGING OPERATION (EAST WAREHOUSE 5) CONSISTING OF A MUNSON CONTINUOUS MIXER, VIBRATING TABLE, ASSOCIATED AUGERS AND ROTEX SIFTER ALL SERVED BY WILKEY MODEL #144BL144 BAGHOUSE DUST COLLECTOR

- Conditions 3 through 15 from the current PTOs have been included as conditions 2 through 14 of the requirements for the proposed permits.

e. C-7748-7-2: VEGETABLE ROOM (ACROSS FROM MILLROOM 3) CONSISTING OF A ROTO SIEVE, VIBRATOR TABLE, AND POWDER MILL ALL SERVED BY A 3,000 CFM SAUNCO MODEL 96ABR52 BAGHOUSE DUST COLLECTOR

- Conditions 1 through 12 from the current PTO have been included as conditions 2 through 13 of the requirements for the proposed permit.

f. C-7748-8-2: AGGLOMERATION OPERATION WITH ONE AGGLOMERATOR ROOM CONSISTING OF TWO GLATT PRODUCT AGGLOMERATORS AND ONE AGG SIFTER ROOM CONSISTING OF TWO HOPPERS, TWO GYRO WHIP SIFTERS, TWO BUCKET ELEVATORS, TWO FRITZ MILLS, AND ONE DUMPER STATION SERVED BY A SENECA MODEL 35-1M-8 BAGHOUSE

- Conditions 2 through 14 from the current PTO have been included as conditions 2 through 14 of the requirements for the proposed permit.

g. C-7748-9-1: BULK PRODUCT UNLOADING CONSISTING OF ONE ROLLER TABLE AND ASSOCIATED CONVEYORS ALL SERVED BY A 7,200 CFM SAUNCO MODEL 8-SFLB-81 BAGHOUSE DUST COLLECTOR, AND AN ADDITIONAL BACKUP DUMP STATION

- Conditions 1 through 12 from the current PTO have been included as conditions 2 through 13 of the requirements for the proposed permits.

h. C-7748-10-6: 54 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE A) WITH ONE 54 MMBTU/HR MAXON MODEL SERIES A NATURAL GAS-FIRED BURNER SERVED BY TWO CYCLONES

i. C-7748-11-6: 54 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE B) WITH ONE 54 MMBTU/HR MAXON MODEL SERIES A NATURAL GAS-FIRED BURNER SERVED BY TWO CYCLONES

- Conditions 5, 7 through 11 and 15 through 17 from the current PTOs have been included as conditions 3, 5 through 9 and 13 through 15 of the requirements for the proposed permits.

j. C-7748-12-1: VEGETABLE DEHYDRATION OPERATION (LINE C) WITH STEAM PROVIDED FROM UNIT -14 AND SERVED BY A 12,000 CFM SAUNCO MODEL 10-SIFT-100 BAGHOUSE DUST

COLLECTOR WITH PRE-DEHYDRATION EQUIPMENT AND POST-DEHYDRATION EQUIPMENT (ASPIRATORS & NIPPLE SEPARATORS)

- Conditions 1 through 12 from the current PTO have been included as conditions 2 through 13 of the requirements for the proposed permit.

k. C-7748-13-6: 69 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE D) WITH TWO 20 MMBTU/HR MAXON MODEL NP1, THREE 8 MMBTU/HR MAXON MODEL NP1, AND ONE 5 MMBTU/HR NATURAL GAS-FIRED BURNERS SERVED BY TWO CYCLONES AND ASSOCIATED ONION SLICER EQUIPMENT

- Conditions 5, 7 through 11 and 15 through 17 from the current PTO have been included as conditions 3, 5 through 9 and 13 through 15 of the requirements for the proposed permit.

l. C-7748-14-5: 29.4 MMBTU/HR CLEAVER BROOKS MODEL CBI 700 NATURAL GAS-FIRED BOILER WITH A ERIB GIDEON MODEL ERIB 800 ULTRA LOW NOX BURNER AND O2 TRIM SYSTEM

- Conditions 4 through 7, 17, 21 and 22 from the current PTO have been included as conditions 2 through 5, 15, 19 and 20 of the requirements for the proposed permit.

m. C-7748-16-3: 1877 HP DEUTZ MODEL TBG620V16 NATURAL GAS-FIRED IC ENGINE EQUIPPED WITH A MIRATECH SCR SYSTEM, POWERING A 1350 KW GENERATOR

- Conditions 4, 6 through 10, 22 and 23 from the current PTO have been included as conditions 2, 4 through 8, 20 and 21 of the requirements for the proposed permit.

n. C-7748-17-1: KNIFE SHARPENING OPERATION CONSISTING OF SIX (6) KNIFE SHARPENING MACHINES ALL SERVED BY A SAUNCO MODEL SFSB 6-25-245 BAGHOUSE

- Conditions 1 through 12 from the current PTO have been included as conditions 2 through 13 of the requirements for the proposed permit.

o. C-7748-18-1: FLAKE BLENDING OPERATION CONSISTING OF A BICONIC BLENDER WITH DRUM DUMPER AND TAKE-AWAY CONVEYOR ALL SERVED BY A WILKEY MODEL #144BL144

BAGHOUSE DUST COLLECTOR SHARED WITH PERMIT C-7748-6

- Conditions 4 through 14 from the current PTO have been included as conditions 3 through 13 of the requirements for the proposed permit.

5. District Rule 2410 – Prevention of Significant Deterioration

The prevention of significant deterioration (PSD) program is a preconstruction permitting program for new major stationary sources and major modifications to existing major stationary sources located in areas classified as attainment or in areas that are unclassifiable for any criteria air pollutant. The provisions of this rule apply to any source and the owner or operator of any source subject to any requirement under Title 40 Code of Federal Regulations (40 CFR) Part 52.21 as incorporated into this rule.

There are no PSD requirements for this source. Therefore, the facility is not subject to this rule and no further discussion is required.

6. District Rule 2520 – Federally Mandated Operating Permits

Greenhouse Gas Requirements

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

7. District Rule 4201 – Particulate Matter Concentration

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

a. C-7748-1-4: VEGETABLE MILLING OPERATION (MILL ROOM #1) CONSISTING OF A SWECO SEPARATORS, HAMMER MILL, POWDER MILL, ROLLER MILL, ROTO SEIVE, DUMP STATIONS, VIBRATING TABLE, GREAT WESTERN ROTATING SCREEN, AIR TABLE, AND TWO POWDER COLSOLIDATION UNITS (BAGHOUSE UNITS) ALL SERVED BY A 22,000 CFM SAUNCO MODEL 128FLB-144 BAGHOUSE DUST COLLECTOR, AND A SCANMASTER SATAKE COLOR SORTER

$$\text{PM Conc. (gr/scf)} = \frac{\text{(PM emission rate) x (7,000 gr/lb)}}{\text{(Air flow rate) x (60 min/hr) x (24 hr/day)}}$$

PM emission rate = 7.8 lb/day, assuming 100% of PM is PM_{10}

Exhaust Gas Flow = 22,000 scfm

$$\text{PM Conc.} = \frac{(7.8 \text{ lb/day}) \times (7{,}000 \text{ gr/lb})}{(22{,}000 \text{ ft}^3/\text{min}) \times (60 \text{ min/hr}) \times (24 \text{ hr/day})} = 0.0017 \text{ gr/scf}$$

- Condition 1 of the requirements for this permit unit ensures compliance with this rule.

b. C-7748-2-5: VEGETABLE MILLING OPERATION (MILL ROOM #2-2) CONSISTING OF MTMA SEPARATORS, MVSB SEPARATORS, SWECO SEPARATORS, UNIFLOW SEPARATORS, PRECISION SIZER SEPARATORS, GREAT WESTERN ROTATING SCREEN SEPARATORS, HAMMER MILLS, CAGE MILLS, DESTONERS, DRAG CHAIN CONVEYORS, VIBRATING TABLES, BUCKET ELEVATORS, BELT CONVEYORS, SCAN MASTER SATAKE COLOR SORTERS, CYCLONE SEPARATORS, SCREW CONVEYORS, CABLEVEY, AIRLOCKS, AND FANS ALL SERVED BY SAUNCO MODEL SJB12-144-2880 BAGHOUSE DUST COLLECTOR AND SAUNCO MODEL 128FLB-144 BAGHOUSE DUST COLLECTOR AND POWDER RESCREENER, POWDER/GRANULATED GREAT WESTERN ROTATING SCREEN SEPARATORS, BAUERMEISTER POWDER MILLS, FITZ MILLS, ROLLER MILLS, DRUM DUMPER, P1 BIN, P2/P3 BIN, P4 BIN, HOLDING/SURGE BINS, COOL DOWN BINS, BATCH BLENDERS, PACKOUT INFEED RESCREENERS, INFEED CONVEYORS, SCREW CONVEYORS, SURGE HOPPERS, AUGER PACKER, TWO PRESSURE FANS, VIBRATORY DRUM FILLING STATIONS, TOTE/SUPERSACK FILLING STATIONS, CYCLONE SEPARATORS, CABLEVEY, AIRLOCKS, AND FANS ALL SERVED BY AIRLANCO MODEL144AVS12 BAGHOUSE

$$\text{PM Conc. (gr/scf)} = \frac{(\text{PM emission rate}) \times (7{,}000 \text{ gr/lb})}{(\text{Air flow rate}) \times (60 \text{ min/hr}) \times (24 \text{ hr/day})}$$

PM emission rate = 11.7 lb/day, assuming 100% of PM is PM_{10}

Exhaust Gas Flow = 11,689 scfm (Buhler Model ASFB 88/8 baghouse)

$$\text{PM Conc.} = \frac{(23.9 \text{ lb/day}) \times (7{,}000 \text{ gr/lb})}{(55{,}689 \text{ ft}^3/\text{min}) \times (60 \text{ min/hr}) \times (24 \text{ hr/day})} = 0.0021 \text{ gr/scf}$$

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

c. C-7748-5-3: VEGETABLE PACKAGING OPERATION CONSISTING OF, PRODUCT DUMP STATIONS, TWO VIBRATING CONVEYORS, AND TWO SCREW CONVEYORS ALL SERVED BY A 19,200 CFM SAUNCO MODEL 128FLB-144 BAGHOUSE DUST COLLECTOR, AND A TAYLOR MODEL IBC 3000 BULK BAG/TOTE/DRUM FILLER AND ASSOCIATED BELT & ROLLER CONVEYORS

$$\text{PM Conc. (gr/scf)} = \frac{\text{(PM emission rate) x (7,000 gr/lb)}}{\text{(Air flow rate) x (60 min/hr) x (24 hr/day)}}$$

PM emission rate = 9.1 lb/day, assuming 100% of PM is PM_{10}

Exhaust Gas Flow = 19,200 scfm

$$\text{PM Conc.} = \frac{\text{(9.1 lb/day) x (7,000 gr/lb)}}{\text{(19,200 ft}^3\text{/min) x (60 min/hr) x (24 hr/day)}} = 0.0023 \text{ gr/scf}$$

- Condition 1 of the requirements for this permit unit ensures compliance with this rule.

d. C-7748-6-2: BLENDING AND PACKAGING OPERATION (EAST WAREHOUSE 5) CONSISTING OF A MUNSON CONTINUOUS MIXER, VIBRATING TABLE, ASSOCIATED AUGERS AND ROTEX SIFTER ALL SERVED BY WILKEY MODEL #144BL144 BAGHOUSE DUST COLLECTOR

$$\text{PM Conc. (gr/scf)} = \frac{\text{(PM emission rate) x (7,000 gr/lb)}}{\text{(Air flow rate) x (60 min/hr) x (24 hr/day)}}$$

PM emission rate = 9.1 lb/day. Assuming 100% of PM is PM_{10}

Exhaust Gas Flow = 20,700 scfm

$$\text{PM Conc.} = \frac{\text{(9.1 lb/day) x (7,000 gr/lb)}}{\text{(20,700 ft}^3\text{/min) x (60 min/hr) x (24 hr/day)}} = 0.0021 \text{ gr/scf}$$

- Condition 1 of the requirements for this permit unit ensures compliance with this rule.

e. C-7748-7-2: VEGETABLE ROOM (ACROSS FROM MILLROOM 3) CONSISTING OF A ROTO SIEVE, VIBRATOR TABLE, AND POWDER MILL ALL SERVED BY A 3,000 CFM SAUNCO MODEL 96ABR52 BAGHOUSE DUST COLLECTOR

$$\text{PM Conc. (gr/scf)} = \frac{\text{(PM emission rate) x (7,000 gr/lb)}}{\text{(Air flow rate) x (60 min/hr) x (24 hr/day)}}$$

PM emission rate = 2.6 lb/day, assuming 100% of PM is PM_{10}

Exhaust Gas Flow = 3,000 scfm

$$\text{PM Conc.} = \frac{(2.6 \text{ lb/day}) \times (7{,}000 \text{ gr/lb})}{(3{,}000 \text{ ft}^3\text{/min}) \times (60 \text{ min/hr}) \times (24 \text{ hr/day})} = 0.0042 \text{ gr/scf}$$

- Condition 1 of the requirements for this permit unit ensures compliance with this rule.

f. C-7748-8-2: AGGLOMERATION OPERATION WITH ONE AGGLOMERATOR ROOM CONSISTING OF TWO GLATT PRODUCT AGGLOMERATORS AND ONE AGG SIFTER ROOM CONSISTING OF TWO HOPPERS, TWO GYRO WHIP SIFTERS, TWO BUCKET ELEVATORS, TWO FRITZ MILLS, AND ONE DUMPER STATION SERVED BY A SENECA MODEL 35-1M-8 BAGHOUSE

$$\text{PM Conc. (gr/scf)} = \frac{(\text{PM emission rate}) \times (7{,}000 \text{ gr/lb})}{(\text{Air flow rate}) \times (60 \text{ min/hr}) \times (24 \text{ hr/day})}$$

PM emission rate = 1.3 lb/day, ssuming 100% of PM is PM_{10}

Exhaust Gas Flow = 1,200 scfm

$$\text{PM Conc.} = \frac{(1.3 \text{ lb/day}) \times (7{,}000 \text{ gr/lb})}{(1{,}200 \text{ ft}^3\text{/min}) \times (60 \text{ min/hr}) \times (24 \text{ hr/day})} = 0.0053 \text{ gr/scf}$$

- Condition 1 of the requirements for this permit unit ensures compliance with this rule.

g. C-7748-9-1: BULK PRODUCT UNLOADING CONSISTING OF ONE ROLLER TABLE AND ASSOCIATED CONVEYORS ALL SERVED BY A 7,200 CFM SAUNCO MODEL 8-SFLB-81 BAGHOUSE DUST COLLECTOR, AND AN ADDITIONAL BACKUP DUMP STATION

$$\text{PM Conc. (gr/scf)} = \frac{(\text{PM emission rate}) \times (7{,}000 \text{ gr/lb})}{(\text{Air flow rate}) \times (60 \text{ min/hr}) \times (24 \text{ hr/day})}$$

PM emission rate = 0.4 lb/day, assuming 100% of PM is PM_{10}

Exhaust Gas Flow = 7,200 scfm

$$\text{PM Conc.} = \frac{(0.4 \text{ lb/day}) \times (7{,}000 \text{ gr/lb})}{(7{,}200 \text{ ft}^3\text{/min}) \times (60 \text{ min/hr}) \times (24 \text{ hr/day})} = 0.0003 \text{ gr/scf}$$

- Condition 1 of the requirements for this permit unit ensures compliance with this rule.

h. C-7748-10-6: 54 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE A) WITH ONE 54 MMBTU/HR MAXON MODEL SERIES A NATURAL GAS-FIRED BURNER SERVED BY TWO CYCLONES

i. C-7748-11-6: 54 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE B) WITH ONE 54 MMBTU/HR MAXON MODEL SERIES A NATURAL GAS-FIRED BURNER SERVED BY TWO CYCLONES

Natural Gas Combustion:

F-Factor for NG: 8,578 dscf/MMBtu at 60 °F
PM_{10} Emission Factor: 0.014 lb-PM_{10}/MMBtu
Percentage of PM as PM_{10} in Exhaust: 100%
Exhaust Oxygen (O_2) Concentration: 3%

$$\text{Excess Air Correction to F Factor} = \frac{20.9}{(20.9 - 3)} = 1.17$$

$$GL = \left(\frac{0.014\ lb-PM}{MMBtu} \times \frac{7{,}000\ grain}{lb-PM} \right) / \left(\frac{8{,}578\ ft^3}{MMBtu} \times\ 1.17 \right)$$

$$GL = 0.0098\ grain/dscf < 0.1\ grain/dscf$$

Material Handling:

$$\text{PM Conc. (gr/scf)} = \frac{\text{(PM emission rate) x (7,000 gr/lb)}}{\text{(Air flow rate) x (60 min/hr) x (24 hr/day)}}$$

PM emission rate = 1.9 lb/day, assuming 100% of PM is PM_{10}

Exhaust Gas Flow = 12,500 scfm

$$\text{PM Conc.} = \frac{\text{(1.9 lb/day) x (7,000 gr/lb)}}{\text{(12,500 ft}^3\text{/min) x (60 min/hr) x (24 hr/day)}} = 0.0007 \text{ gr/scf}$$

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

j. C-7748-12-1: VEGETABLE DEHYDRATION OPERATION (LINE C) WITH STEAM PROVIDED FROM UNIT -14 AND SERVED BY A 12,000 CFM SAUNCO MODEL 10-SIFT-100 BAGHOUSE DUST

COLLECTOR WITH PRE-DEHYDRATION EQUIPMENT AND POST-DEHYDRATION EQUIPMENT (ASPIRATORS & NIPPLE SEPARATORS)

$$\text{PM Conc. (gr/scf)} = \frac{\text{(PM emission rate) x (7,000 gr/lb)}}{\text{(Air flow rate) x (60 min/hr) x (24 hr/day)}}$$

PM emission rate = 0.0 lb/day, assuming 100% of PM is PM_{10}

Exhaust Gas Flow = 12,000 scfm

$$\text{PM Conc.} = \frac{\text{(0.0 lb/day) x (7,000 gr/lb)}}{\text{(12,000 ft}^3\text{/min) x (60 min/hr) x (24 hr/day)}} = 0.0 \text{ gr/scf}$$

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

k. C-7748-13-6: 69 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE D) WITH TWO 20 MMBTU/HR MAXON MODEL NP1, THREE 8 MMBTU/HR MAXON MODEL NP1, AND ONE 5 MMBTU/HR NATURAL GAS-FIRED BURNERS SERVED BY TWO CYCLONES AND ASSOCIATED ONION SLICER EQUIPMENT

Natural Gas Combustion:

F-Factor for NG: 8,578 dscf/MMBtu at 60 °F
PM_{10} Emission Factor: 0.014 lb-PM_{10}/MMBtu
Percentage of PM as PM_{10} in Exhaust: 100%
Exhaust Oxygen (O_2) Concentration: 3%

$$\text{Excess Air Correction to F Factor} = \frac{20.9}{(20.9 - 3.0)} = 1.17$$

$$GL = \left(\frac{0.014\ lb-PM}{MMBtu} \times \frac{7{,}000\ grain}{lb-PM}\right) / \left(\frac{8{,}578\ ft^3}{MMBtu} \times 1.17\right)$$

$$GL = 0.0098\ grain/dscf < 0.1\ grain/dscf$$

Material Handling:

$$\text{PM Conc. (gr/scf)} = \frac{\text{(PM emission rate) x (7,000 gr/lb)}}{\text{(Air flow rate) x (60 min/hr) x (24 hr/day)}}$$

PM emission rate = 1.9 lb/day, assuming 100% of PM is PM_{10}

Exhaust Gas Flow = 12,500 scfm

$$\text{PM Conc.} = \frac{(1.9 \text{ lb/day}) \times (7{,}000 \text{ gr/lb})}{(12{,}500 \text{ ft}^3\text{/min}) \times (60 \text{ min/hr}) \times (24 \text{ hr/day})} = 0.0007 \text{ gr/scf}$$

- Condition 1 of the requirements for this permit unit ensures compliance with this rule.

l. C-7748-14-5: 29.4 MMBTU/HR CLEAVER BROOKS MODEL CBI 700 NATURAL GAS-FIRED BOILER WITH A ERIB GIDEON MODEL ERIB 800 ULTRA LOW NOX BURNER AND O2 TRIM SYSTEM

F-Factor for NG: 8,578 dscf/MMBtu at 60 °F
PM_{10} Emission Factor: 0.014 lb-PM_{10}/MMBtu
Percentage of PM as PM_{10} in Exhaust: 100%
Exhaust Oxygen (O_2) Concentration: 3%

$$\text{Excess Air Correction to F Factor} = \frac{20.9}{(20.9 - 3.0)} = 1.17$$

$$GL = \left(\frac{0.014\ lb-PM}{MMBtu} \times \frac{7{,}000\ grain}{lb-PM} \right) / \left(\frac{8{,}578\ ft^3}{MMBtu} \times\ 1.17 \right)$$

$$GL = 0.0098\ grain/dscf < 0.1\ grain/dscf$$

- Condition 1 of the requirements for this permit unit ensures compliance with this rule.

m. C-7748-16-3: 1877 HP DEUTZ MODEL TBG620V16 NATURAL GAS-FIRED IC ENGINE EQUIPPED WITH A MIRATECH SCR SYSTEM, POWERING A 1350 KW GENERATOR

EPA F-factor (adjusted to 60 °F) = 8,578 dscf/MMBtu (40 CFR 60 Appendix B)

BHP to Btu/hr conversion = 2,542.5 Btu/bhp-hr

Thermal efficiency of engine ≈ 35%

PM10 emission rate = 0.02 g/bhp-hr

100% of PM = PM_{10}

$$0.02\ \frac{g-PM_{10}}{bhp-hr} \times \frac{1\ bhp-hr}{2{,}542.5\ Btu} \times \frac{10^6\ Btu}{8{,}578\ dscf} \times \frac{0.35\ Btu_{out}}{1\ Btu_{in}} \times \frac{15.43\ grain}{g} = 0.005\ \frac{grain-PM}{dscf}$$

- Condition 1 of the requirements for this permit unit ensures compliance with this rule.

n. C-7748-17-1: KNIFE SHARPENING OPERATION CONSISTING OF SIX (6) KNIFE SHARPENING MACHINES ALL SERVED BY A SAUNCO MODEL SFSB 6-25-245 BAGHOUSE

$$\text{PM Conc. (gr/scf)} = \frac{\text{(PM emission rate) x (7,000 gr/lb)}}{\text{(Air flow rate) x (60 min/hr) x (24 hr/day)}}$$

PM emission rate = 0.1 lb/day, assuming 100% of PM is PM_{10}

Exhaust Gas Flow = 1,937 scfm

$$\text{PM Conc.} = \frac{\text{(0.1 lb/day) x (7,000 gr/lb)}}{\text{(1,937 ft}^3\text{/min) x (60 min/hr) x (24 hr/day)}} = 0.0003 \text{ gr/scf}$$

- Condition 1 of the requirements for this permit unit ensures compliance with this rule.

o. C-7748-18-1: FLAKE BLENDING OPERATION CONSISTING OF A BICONIC BLENDER WITH DRUM DUMPER AND TAKE-AWAY CONVEYOR ALL SERVED BY A WILKEY MODEL #144BL144 BAGHOUSE DUST COLLECTOR SHARED WITH PERMIT C-7748-6

$$\text{PM Conc. (gr/scf)} = \frac{\text{(PM emission rate) x (7,000 gr/lb)}}{\text{(Air flow rate) x (60 min/hr) x (24 hr/day)}}$$

PM emission rate = 1.8 lb/day, assuming 100% of PM is PM_{10}

Exhaust Gas Flow = 20,700 scfm

$$\text{PM Conc.} = \frac{\text{(1.8 lb/day) x (7,000 gr/lb)}}{\text{(20,700 ft}^3\text{/min) x (60 min/hr) x (24 hr/day)}} = 0.0004 \text{ gr/scf}$$

- Condition 1 of the requirements for this permit unit ensures compliance with this rule.

8. District Rule 4301 – Fuel Burning Equipment

The purpose of this rule is to limit the emission of air contaminants from fuel burning equipment. This rule limits the concentration of combustion contaminants and specifies maximum emission rates for sulfur dioxide, nitrogen oxide and combustion contaminant emissions.

Section 5.1 requires that a person shall not discharge into the atmosphere combustion contaminants exceeding in concentration, at the point of discharge, 0.1 grain per cubic foot of gas calculated to 12% of carbon dioxide at dry standard conditions.

Section 5.2 requires that a person shall not build, erect, install or expand any non-mobile fuel burning equipment unit unless the discharge into the atmosphere of contaminants will not and does not exceed any one (1) or more of the following rates:

- 200 pounds per hour of sulfur compounds, calculated as sulfur dioxide (SO2);

- 140 pounds per hour of nitrogen oxides, calculated as nitrogen dioxide (NO2);

- Ten (10) pounds per hour of combustion contaminants as defined in Rule 1020 (Definitions) and derived from the fuel.

a. C-7748-10-6: 54 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE A) WITH ONE 54 MMBTU/HR MAXON MODEL SERIES A NATURAL GAS-FIRED BURNER SERVED BY TWO CYCLONES

b. C-7748-11-6: 54 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE B) WITH ONE 54 MMBTU/HR MAXON MODEL SERIES A NATURAL GAS-FIRED BURNER SERVED BY TWO CYCLONES

c. C-7748-13-6: 69 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE D) WITH TWO 20 MMBTU/HR MAXON MODEL NP1, THREE 8 MMBTU/HR MAXON MODEL NP1, AND ONE 5 MMBTU/HR NATURAL GAS-FIRED BURNERS SERVED BY TWO CYCLONES AND ASSOCIATED ONION SLICER EQUIPMENT

    - Condition 9 of the requirements for these permit units ensures compliance with this rule.

d. C-7748-14-5: 29.4 MMBTU/HR CLEAVER BROOKS MODEL CBI 700 NATURAL GAS-FIRED BOILER WITH A ERIB GIDEON MODEL ERIB 800 ULTRA LOW NOX BURNER AND O2 TRIM SYSTEM

    - Condition 5 of the requirements for this permit unit ensures compliance with this rule.

9. District Rule 4304 – Equipment Tuning Procedure for Boilers, Steam Generators and Process Heaters

The purpose of this rule is to provide an equipment tuning procedure for boilers, steam generators and process heaters to control visible emissions and emissions of both nitrogen oxides (NOx) and carbon monoxide (CO).

This procedure applies to any boiler, steam generator, or process heater that requires tuning pursuant to District regulations or permit conditions.

C-7748-14-5: 29.4 MMBTU/HR CLEAVER BROOKS MODEL CBI 700 NATURAL GAS-FIRED BOILER WITH A ERIB GIDEON MODEL ERIB 800 ULTRA LOW NOX BURNER AND O2 TRIM SYSTEM

- Pursuant to District Rules 4305 and 4306, Section 6.3.1, and 4320, Section 6.3.2.1, the boiler is not required to be tuned because it follows a District approved Alternate Monitoring scheme where the applicable emission limits are periodically monitored. Therefore, the boiler is not subject to this rule.

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

The purpose of this rule is to limit emissions of oxides of nitrogen (NOx) and carbon monoxide (CO) from boilers, steam generators, and process heaters.

Section 5.1.1 limits the NOx emission rate for units operated on gaseous fuel to 30 ppmv (0.036 lb/MMBtu). Section 5.3 limits the CO emission rate to 400 ppmv. All ppmv emission limits specified in this section are referenced at dry stack gas conditions and 3.00 percent by volume stack gas oxygen.

Section 5.4.2 requires that permit units subject section 5.1 emissions limits shall either install and maintain Continuous Emission Monitoring (CEM) equipment for NO_X, CO and O_2, or install and maintain APCO-approved alternate monitoring. An APCO approved Alternate Monitoring System shall monitor one or more of the following: (a) periodic NOx and CO exhaust emission concentrations; (b) periodic exhaust oxygen concentration; (c) flow rate of reducing agent added to exhaust; (d) catalyst inlet and exhaust temperature; (e) catalyst inlet and exhaust oxygen concentration; (f) periodic flue gas recirculation rate; or (g) other operational characteristics.

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).

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, and that 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.

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 NOx analyzer as part of an APCO approved Alternate Emissions Monitoring System, emission readings shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15-consecutive-minute sample reading or by taking at least five (5) readings evenly spaced out over the 15-consecutive-minute period.

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.

Section 6.1 requires that the records required by Sections 6.1.1 through 6.1.3 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.

Section 6.2 identifies the following test methods as District-approved source testing methods for the pollutants listed: (a) NOx in ppmv - EPA Method 7E or ARB Method 100; (b) NOx in lb/MMBtu - EPA Method 19; (c) CO in ppmv - EPA Method 10 or ARB Method 100; (d) Stack gas O2 in % - EPA Method 3 or 3A, or ARB Method 100; (e) stack gas velocity in ft/min - EPA Method 2; and (f) stack gas moisture content in % - EPA Method 4.

Section 6.3.1 requires that this unit be tested to determine compliance with the applicable requirements of section 5.1 and 5.2.3 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 thirty-six months.

C-7748-14-5: 29.4 MMBTU/HR CLEAVER BROOKS MODEL CBI 700 NATURAL GAS-FIRED BOILER WITH A ERIB GIDEON MODEL ERIB 800 ULTRA LOW NOX BURNER AND O2 TRIM SYSTEM

- Conditions 5 through 8, 10 through 13, 15 through 18 and 21 of the requirements for this permit unit ensure compliance with this rule.

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

The purpose of this rule is to limit emissions of oxides of nitrogen (NOx) and carbon monoxide (CO) from boilers, steam generators, and process heaters.

Section 5.1.1 limits the NOx and CO emission rates for units rated less than 20 MMBtu/hr to 15 ppmv (0.018 lb/MMBtu) and 400 ppmv, respectively. All ppmv emission limits specified in this section are referenced at dry stack gas conditions and 3.00 percent by volume stack gas oxygen.

Section 5.4.2 requires that permit units subject to section 5.1 emissions limits shall either install and maintain Continuous Emission Monitoring (CEM) equipment for NO_X, CO and O_2, or install and maintain APCO-approved alternate monitoring. An APCO approved Alternate Monitoring System shall monitor one or more of the following: (a) periodic NOx and CO exhaust emission concentrations; (b) periodic exhaust oxygen concentration; (c) flow rate of reducing agent added to exhaust; (d) catalyst inlet and exhaust temperature; (e) catalyst inlet and exhaust oxygen concentration; (f) periodic flue gas recirculation rate; or (g) other operational characteristics.

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).

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, and that 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.

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 NOx analyzer as part of an APCO approved Alternate Emissions Monitoring System, emission readings shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15-consecutive-minute sample reading or by taking at least five (5) readings evenly spaced out over the 15-consecutive-minute period.

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.

Section 6.1 requires that the records required by Sections 6.1.1 through 6.1.3 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.

Section 6.2 identifies the following test methods as District-approved source testing methods for the pollutants listed: (a) NOx in ppmv - EPA Method 7E or ARB Method 100; (b) NOx in lb/MMBtu - EPA Method 19; (c) CO in ppmv - EPA Method 10 or ARB Method 100; (d) Stack gas O2 in % - EPA Method 3 or 3A, or ARB Method 100; (e) stack gas velocity in ft/min - EPA Method 2; and (f) stack gas moisture content in % - EPA Method 4.

Section 6.3.1 requires that this unit be tested to determine compliance with the applicable requirements of section 5.1 and 5.2.3 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 thirty-six months.

C-7748-14-5: 29.4 MMBTU/HR CLEAVER BROOKS MODEL CBI 700 NATURAL GAS-FIRED BOILER WITH A ERIB GIDEON MODEL ERIB 800 ULTRA LOW NOX BURNER AND O2 TRIM SYSTEM

- Conditions 5 through 8, 10 through 13, 15 through 18 and 21 of the requirements for this permit unit ensure compliance with this rule.

12. District Rule 4309 – Dryers, Dehydrators, and Ovens

The purpose of this rule is to limit emissions of oxides of nitrogen (NOx) and carbon monoxide (CO) from dryers, dehydrators, and ovens. This rule applies to any dryer, dehydrator, or oven that is fired on gaseous fuel, liquid fuel, or is fired on gaseous and liquid fuel sequentially, and the total rated heat input for the unit is 5.0 million British thermal units per hour (5.0 MMBtu/hr) or greater.

Section 5.1 states that dehydrators shall be fired exclusively on PUC quality natural gas, except during periods of PUC quality natural gas curtailment. Section 5.1.1 states that all dehydrators shall be operated and maintained according to manufacturer's specifications or APCO-approved alternative procedures.

Section 5.1.2 states that operation and maintenance records and manufacturer's specifications/APCO-approved alternative procedures shall be maintained in accordance with Section 6.1.3.

Section 5.4.2 states that operators of a dehydrator shall maintain records that demonstrate, to the satisfaction of the APCO, ARB, and US EPA that the dehydrator is:

- Fired exclusively on PUC quality natural gas, except during PUC quality natural gas curtailment, and
- Properly operated and maintained according to manufacturer's specifications or APCO-approved alternative procedures.

Section 6.1.3 states that the operator of a dehydrator shall maintain the following records:

- Records that show the dehydrator is fired exclusively on PUC quality natural gas, except during PUC quality natural gas curtailment.
- Operation and maintenance records that demonstrate operation of the dehydrator within the limits of the manufacturer's specification and maintenance according to manufacturer's recommendation or APCO-approved alternative procedures.
- Operation records shall be maintained on a daily basis when the dehydrator is operating on that day.
- The operator shall keep maintenance records that verify that maintenance was performed in accordance with manufacturer's specifications or APCO-approved alternative procedures.

Section 6.1.3.3 states that a copy of the manufacturer's operation specifications and maintenance instruction manual or APCO-approved alternative procedures shall be maintained on-site during normal business hours.

Section 6.1.6 states that the records and manufacturer's specifications required by Sections 6.1.1 through 6.1.5 shall be maintained for five (5) calendar years; made available on-site during normal business hours; and submitted to the APCO upon request.

a. C-7748-10-6: 54 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE A) WITH ONE 54 MMBTU/HR MAXON MODEL SERIES A NATURAL GAS-FIRED BURNER SERVED BY TWO CYCLONES

b. C-7748-11-6: 54 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE B) WITH ONE 54 MMBTU/HR MAXON MODEL SERIES A NATURAL GAS-FIRED BURNER SERVED BY TWO CYCLONES

c. C-7748-13-6: 69 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE D) WITH TWO 20 MMBTU/HR MAXON MODEL NP1, THREE 8 MMBTU/HR MAXON MODEL NP1, AND ONE 5 MMBTU/HR NATURAL GAS-FIRED BURNERS SERVED BY TWO CYCLONES AND ASSOCIATED ONION SLICER EQUIPMENT

- Conditions 3 4, 9 through 12 and 16 of the requirements for these permit units ensure compliance with this rule.

13. District Rule 4320 - Advanced Emission Reduction Options for Boilers, Steam Generators, and Process Heaters Greater Than 5.0 MMBtu/Hr

This rule limits NOx, 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 NOx emitted over the previous year.

Section 5.1 requires 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:

- Operate the unit to comply with the emission limits specified in Sections 5.2 and 5.4; or

- 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
- Comply with the applicable Low-use Unit requirements of Section 5.5.

Section 5.2 requires that except for units subject to Sections 5.3, 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.

This facility has only boiler, which is rated 29.4 MMBtu/hr. The applicable emission limit category is listed in Section 5.2, Table 1, Category B, from District Rule 4320:

Rule 4320 Emissions Limits		
Category	**Operated on gaseous fuel**	
	NO_X Limit	**CO Limit**
B. Units with a rated heat input > 20.0 MMBtu/hr, except for Categories C through G	7 ppmv or 0.008 lb/MMBtu	400 ppmv

The compliance deadline for meeting the NOx limit is July 1, 2010.

Section 5.4.1 of this rule requires the operator to comply with one of the following requirements:

- Fire the boiler exclusively on PUC-quality natural gas, commercial propane, butane, or liquefied petroleum gas, or a combination of such gases;
- Limit fuel sulfur content to no more than five (5) grains of total sulfur per one hundred (100) standard cubic feet;
- 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;

Section 5.7.1 requires that permit units subject to District Rule 4320, Section 5.2 emissions limits shall either install and maintain Continuous

Emission Monitoring (CEM) equipment for NO_X, CO and O_2, or install and maintain APCO-approved alternate monitoring.

Section 5.8.1 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).

Section 5.8.2 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. 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.

Section 5.8.4 requires that for emissions monitoring 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.

Section 5.8.5 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.

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.

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

Pollutant	Units	Test Method Required
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

Section 6.3.1 requires that this unit 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 thirty-six months.

C-7748-14-5: 29.4 MMBTU/HR CLEAVER BROOKS MODEL CBI 700 NATURAL GAS-FIRED BOILER WITH A ERIB GIDEON MODEL ERIB 800 ULTRA LOW NOX BURNER AND O2 TRIM SYSTEM

- Conditions 5 through 8, 10 through 13, 15 through 18 and 21 of the requirements for this permit unit ensure compliance with this rule.

14. District Rule 4351 – Boilers, Steam Generators, and Process Heaters – Phase 1

The purpose of this rule is to limit emissions of oxides of nitrogen (NOx) from boilers, steam generators, and process heaters to levels consistent with reasonably available control technology (RACT).

This rule applies to any boiler, steam generator or process heater, with a rated heat input greater than 5 million Btu per hour that is fired with gaseous and/or liquid fuels, and is included in a major NOx source. This rule does not apply to any unit located west of Interstate Highway 5 located in Fresno, Kern, or Kings county.

The facility has one boiler that is subject to District Rule 4351. In addition, the boiler is also subject to District Rules 4305, 4306 and 4320, which have in all respects superseded District Rule 4351.

Since the emissions limits and all other requirements of District Rules 4305, 4306 and 4320 are equivalent to or more stringent than those of District Rule 4351, compliance with rules 4305, 4306 and 4320 requirements will satisfy requirements of rule 4351.

15. District Rule 4701 – Internal Combustion Engines – Phase 1

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

The facility has one engine that is subject to District Rule 4701. In addition, the engine is also subject to District Rule 4702, which has in all respects superseded District Rule 4701.

Since the emissions limits and all other requirements of District Rule 4702 are equivalent to or more stringent than those of District Rule 4701, compliance with rule 4702 requirements will satisfy requirements of rule 4701.

16. District Rule 4702 – Internal Combustion Engines

The purpose of this rule is to limit the emissions of nitrogen oxides (NOx), carbon monoxide (CO), volatile organic compounds (VOC), and sulfur oxides (SOx) from internal combustion engines.

This rule applies to any internal combustion engine rated at 25 brake horsepower or greater.

The current SIP version of the rule was last amended on January 18, 2007. The current version of the rule was amended on November 14, 2013, but has not yet been approved into the SIP.

The analysis in Attachment D shows that the proposed requirements of the current non-SIP version of this rule are as stringent as, or more stringent than the requirements of the existing SIP version. Streamlining procedures are utilized to substitute the set of requirements in the current non-SIP version of the rule for the otherwise applicable requirements in the SIP version of the rule.

Section 5.2.2 requires that on and after the compliance schedule specified in Section 7.5, the operator of a spark-ignited engine > 50 bhp that is used in non-AO shall comply with all the applicable requirements of the rule and one of the following, on an engine-by-engine basis:

§5.2.2.1: On and after the compliance schedule specified in Section 7.5, the operator of a spark-ignited engine that is used exclusively in non-AO shall comply with Sections 5.2.2.1.1 through 5.2.2.1.3 on an

engine-by-engine basis:

§5.2.2.1.1: NOx, CO, and VOC emission limits pursuant to Table 2:

Table 2 Emission Limits for a Spark-Ignited Internal Combustion Engine Rated at >50 bhp Used Exclusively in Non-AO (All ppmv limits are corrected to 15% oxygen on a dry basis). Emission Limits are effective according to the compliance schedule specified in Section 7.5.			
Engine Type	NOx (ppmv)	CO (ppmv)	VOC (ppmv)
2. Lean-Burn Engines			
e. Lean-Burn Engine, not listed above	11	2000	750

§5.2.2.1.2: SOx control requirements of Section 5.7, pursuant to the deadlines specified in Section 7.5; and

§5.2.2.1.3: Monitoring requirements of Section 5.10, pursuant to the deadlines specified in Section 7.5.

§5.2.2.2: In lieu of complying with the NOx emission limit requirement of Section 5.2.2.1.1, an operator may pay an annual fee to the District, as specified in Section 5.6, pursuant to Section 7.6.

§5.2.2.3: In lieu of complying with the NOx, CO, and VOC limits of Table 2 on an engine-by-engine basis, an operator may elect to implement an alternative emission control plan pursuant to Section 8.0. An operator electing this option shall not be eligible to participate in the fee payment option outlined in Section 5.2.2.2 and Section 5.6.

Section 5.7 requires that on and after the compliance schedule specified in Section 7.5, operators of non-AO spark-ignited engines and non-AO compression-ignited engines shall comply with one of the following requirements:

§5.7.1: Operate the engine exclusively on PUC-quality natural gas, commercial propane, butane, or liquefied petroleum gas, or a combination of such gases; or

§5.7.2: Limit gaseous fuel sulfur content to no more than five (5) grains of total sulfur per one hundred (100) standard cubic feet; or

§5.7.3: Use California Reformulated Gasoline for gasoline-fired spark-ignited engines; or

§5.7.4: Use California Reformulated Diesel for compression-ignited engines; or

§5.7.5: Operate the engine on liquid fuel that contains no more than 15 ppm sulfur, as determined by the test method specified in Section 6.4.6; or

§5.7.6: Install and properly operate an emission control system that reduces SO2 emissions by at least 95% by weight as determined by the test method specified in Section 6.4.6.

Section 5.8.1 requires that for each engine with a rated brake horsepower of 1,000 hp or greater and which is permitted to operate more than 2,000 hours per calendar year, or with an external emission control device, the owner shall either install, operate, and maintain continuous monitoring equipment for NO_x, CO, and oxygen, as identified in Rule 1080 (Stack Monitoring), or install, operate, and maintain APCO-approved alternate monitoring. The monitoring system may be a continuous emissions monitoring system (CEMS), a parametric emissions monitoring system (PEMS), or an alternative monitoring system approved by the APCO. APCO-approved alternate monitoring shall consist of one or more of the following:

- Periodic NO_x and CO emission concentrations,
- Engine exhaust oxygen concentration,
- Air-to-fuel ratio,
- Flow rate of reducing agents added to engine exhaust,
- Catalyst inlet and exhaust temperature,
- Catalyst inlet and exhaust oxygen concentration,
- Other operational characteristics.

Section 5.8.6 requires that for each engine, including an engine subject to Section 4.2, the owner shall install and operate a nonresettable elapsed operating time meter. The owner or operator shall maintain these required meters in proper operating condition.

Section 5.8.7 requires that for each engine, the owner shall implement the Inspection and Monitoring (I&M) plan submitted to and approved by the APCO pursuant to Section 6.5.

Section 5.8.8 requires that for each engine, the owner shall collect data through the I&M plan in a form approved by the APCO.

Section 5.8.9 requires that for each engine, the owner shall use a portable NO_x analyzer to take NO_x emission readings to verify compliance with the emission requirements of Section 5.2 or Section 8.2 during each calendar quarter in which a source test is not performed. All emission readings shall be taken with the engine 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. All NO_x emissions readings shall be reported to the APCO in a manner approved by the APCO. NO_x emission readings taken pursuant to this section 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.

Section 6.1 requires that the owner of an engine subject to the requirements of Section 5.2 of this rule shall submit to the APCO an emission control plan of all actions to be taken to satisfy the emission requirements of Section 5.2 and the compliance schedules of Section 7.0. Such emission control plan shall contain a list with the following for each permitted engine:

- Permit-to-Operate number
- Engine manufacturer
- Model designation
- Rated brake horsepower
- Type of fuel and type of ignition
- Combustion type: rich-burn or lean-burn
- Total hours of operation in the previous one-year period, including typical daily operating schedule
- Fuel consumption (cubic feet for gas or gallons for liquid) for the previous one-year period
- Stack modifications to facilitate continuous in-stack monitoring and to facilitate source testing
- Type of control to be applied, including in-stack monitoring specifications

- Applicable emission limits
- Documentation showing existing emissions of NOx, VOC, and CO, and
- Date that the engine will be in full compliance with Rule 4702.

Section 6.1.3 requires that the emission control plan shall identify the type of emission control device or technique to be applied to each engine and a construction/removal schedule, or shall provide support documentation sufficient to demonstrate that the engine is in compliance with the emission requirements of this rule.

Section 6.2 requires that except for engines subject to Section 4.0, the owner of an engine subject to the requirements of this rule shall maintain an engine operating log to demonstrate compliance with this rule. This information shall be retained for a period of at least five years, shall be readily available, and be made available to the APCO upon request. The engine operating log shall include, on a monthly basis, the following information:

- Total hours of operation,
- Type and quantity (cubic feet of gas or gallons of liquid) of fuel used,
- Maintenance or modifications performed,
- Monitoring data,
- Compliance source test results, and
- Any other information necessary to demonstrate compliance with this rule.

Section 6.2.2 requires that the data collected pursuant to the requirements of Section 5.6 shall be maintained for at least five years, shall be readily available, and made available to the APCO upon request.

Section 6.3 requires that the owner of an engine subject to the emission limits in Section 5.2 or the requirements of Section 8.2, shall:

§6.3.2: Demonstrate compliance with applicable limits by the applicable date specified in Section 5.2 and at least once every 24 months thereafter, in accordance with the test methods in Section 6.4.

§6.3.3: Conduct emissions source testing with the engine operating either at conditions representative of normal operations or conditions

specified in the Permit-to-Operate. For emissions source testing performed pursuant to Section 6.3.2 for the purpose of determining compliance with an applicable standard or numerical limitation, 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. VOC shall be reported as methane. VOC, NO_x, and CO concentrations shall be reported in ppmv, corrected to 15 percent oxygen. For engines that comply with a percent reduction limit in Table 1, the percent reduction of NO_x emissions shall also be reported.

§6.3.4: In addition to other information, the source test protocol shall describe which critical parameters will be measured and how the appropriate range for these parameters shall be established. The range for these parameters shall be incorporated into the I&M plan.

Section 6.4 requires that the compliance with the requirements of Section 5.0 shall be determined in accordance with the following test procedures or any other method approved by EPA and the APCO:

§6.4.1: Oxides of nitrogen - EPA Method 7E, or ARB Method 100.

§6.4.2: Carbon monoxide - EPA Method 10, or ARB Method 100.

§6.4.3: Stack gas oxygen - EPA Method 3 or 3A, or ARB Method 100.

§6.4.4: Volatile organic compounds - EPA Method 25A or 25B, or ARB Method 100.

§6.4.5: Operating horsepower determination - any method approved by EPA and the APCO.

Section 6.5 requires that the owner of an engine subject to the emission limits in Section 5.2 or the requirements of Section 8.2, shall submit to the APCO for approval, an I&M plan that specifies all actions to be taken to satisfy the following requirements and the requirements of Section 5.8. The actions to be identified in the I&M plan shall include, but are not limited to, the following:

§6.5.2: Procedures requiring the owner or operator to establish ranges for control equipment parameters, engine operating parameters, and engine exhaust oxygen concentrations that source testing has shown result in pollutant concentrations within the rule limits.

§6.5.3: Procedures for monthly inspections as approved by the APCO. The applicable control equipment parameters and engine operating

parameters will be inspected and monitored monthly in conformance with a regular inspection schedule listed in the I&M plan.

§6.5.4: Procedures for the corrective actions on the noncompliant parameter(s) that the owner or operator will take when an engine is found to be operating outside the acceptable range for control equipment parameters, engine operating parameters, and engine exhaust NO_x, CO, VOC, or oxygen concentrations.

§6.5.5: Procedures for the owner or operator to notify the APCO when an engine is found to be operating outside the acceptable range for control equipment parameters, engine operating parameters, and engine exhaust NO_x, CO, VOC, or oxygen concentrations.

§6.5.6: Procedures for preventive and corrective maintenance performed for the purpose of maintaining an engine in proper operating condition.

§6.5.7: Procedures and a schedule for using a portable NO_x analyzer to take NO_x emission readings pursuant to Section 5.8.9.

§6.5.8: Procedures for collecting and recording required data and other information in a form approved by the APCO including, but not limited to, data collected through the I&M plan and the monitoring systems described in Sections 5.8.1 and 5.8.2. Data collected through the I&M plan shall have retrieval capabilities as approved by the APCO.

§6.5.9: Procedures for revising the I&M plan. The I&M plan shall be updated to reflect any change in operation. The I&M plan shall be updated prior to any planned change in operation. An engine owner that changes significant I&M plan elements must notify the District no later than seven days after the change and must submit an updated I&M plan to the APCO no later than 14 days after the change for approval. The date and time of the change to the I&M plan shall be recorded in the engine operating log. For new engines and modifications to existing engines, the I&M plan shall be submitted to and approved by the APCO prior to issuance of the Permit-to-Operate. The owner of an engine may request a change to the I&M plan at any time.

C-7748-16-3: 1877 HP DEUTZ MODEL TBG620V16 NATURAL GAS-FIRED IC ENGINE EQUIPPED WITH A MIRATECH SCR SYSTEM, POWERING A 1350 KW GENERATOR

- Conditions 3, 5, 8 through 11, 14 through 19, 22 and 23 of the requirements for this permit unit ensure compliance with this rule.

17. District Rule 4801 – Sulfur Compounds

This rule limits the emissions of sulfur compounds, which would exist as a liquid or gas at standard conditions, exceeding in concentration at the point of discharge: two-tenths (0.2) percent by volume calculated as sulfur dioxide (SO2), on a dry basis averaged over 15 consecutive minutes.

The rule has been submitted to the EPA to replace Fresno County Rule 406 which is contained in the SIP. District Rule 4801 is as stringent as County Rule 406, as shown on the following table:

Comparison of District Rule 4801 to County Rule 406		
REQUIREMENTS	District Rule 4801	County Rule 406
A person shall not discharge into the atmosphere sulfur compounds exceeding in concentration at the point of discharge 0.2 percent by volume calculated as sulfur dioxide on a dry basis averaged over 15 consecutive minutes.	✓	✓
EPA Method 8 and ARB Method 1-100 shall be used to determine such emissions.	✓	

The emission units at this facility are required by permit condition to be fired solely on PUC-quality natural gas with a maximum sulfur content of 1.0 gr/100 scf (equivalent to a SOx emission rate of 0.00285 lb/MMBtu). Using the ideal gas equation, the expected maximum sulfur compound emissions are calculated as follows:

Volume $SO_2 = \frac{n\,RT}{P}$

With:

N = moles SO_2
T (Standard Temperature) = 60°F = 520°R
P (Standard Pressure) = 14.7 psi

R (Universal Gas Constant) = $\frac{10.73\,\text{psi}\cdot\text{ft}^3}{\text{lb}\cdot\text{mol}\cdot{}^\circ\text{R}}$

$$\frac{0.00285\,lb-SOx}{MMBtu}\times\frac{MMBtu}{8{,}578\,dscf}\times\frac{1\,lb\cdot mol}{64\,lb}\times\frac{10.73\,psi\cdot ft^3}{lb\cdot mol\cdot{}^\circ R}\times\frac{520{}^\circ R}{14.7\,psi}\times\frac{1{,}000{,}000\cdot parts}{million}=1.97\frac{parts}{million}$$

$$SulfurConcentration = 1.97\frac{parts}{million} < 2{,}000\ \text{ppmv (or 0.2\%)}$$

Since the expected sulfur compounds emissions are less than 0.2% (2,000 ppmv), compliance with the requirements of this rule is expected.

a. C-7748-10-6: 54 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE A) WITH ONE 54 MMBTU/HR MAXON MODEL SERIES A NATURAL GAS-FIRED BURNER SERVED BY TWO CYCLONES

b. C-7748-11-6: 54 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE B) WITH ONE 54 MMBTU/HR MAXON MODEL SERIES A NATURAL GAS-FIRED BURNER SERVED BY TWO CYCLONES

c. C-7748-13-6: 69 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE D) WITH TWO 20 MMBTU/HR MAXON MODEL NP1, THREE 8 MMBTU/HR MAXON MODEL NP1, AND ONE 5 MMBTU/HR NATURAL GAS-FIRED BURNERS SERVED BY TWO CYCLONES AND ASSOCIATED ONION SLICER EQUIPMENT

   - Condition 3 of the requirements for these permit units ensures compliance with this rule.

d. C-7748-14-5: 29.4 MMBTU/HR CLEAVER BROOKS MODEL CBI 700 NATURAL GAS-FIRED BOILER WITH A ERIB GIDEON MODEL ERIB 800 ULTRA LOW NOX BURNER AND O2 TRIM SYSTEM

   - Condition 2 of the requirements for this permit unit ensures compliance with this rule.

18. 40 CFR Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units

40 CFR Part 60, Subpart Dc applies to Small Industrial-Commercial-Industrial Steam Generators between 10 MMBtu/hr and 100 MMBtu/hr constructed, modified, or reconstructed after 6/9/89.

Section 60.48c(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 60.48c(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.

C-7748-14-5: 29.4 MMBTU/HR CLEAVER BROOKS MODEL CBI 700

NATURAL GAS-FIRED BOILER WITH A ERIB GIDEON MODEL ERIB 800 ULTRA LOW NOX BURNER AND O2 TRIM SYSTEM

- Conditions 3, 19 and 21 of the requirements for this permit unit ensure compliance with this rule.

19. 40 CFR 60 Subpart JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

Section 60.4230(a)(6) states that the provisions of Section 60.4236 of this subpart are applicable to all owners and operators of stationary SI ICE that commence construction after June 12, 2006.

Section 60.4236 states that after July 1, 2009, owners and operators may not install stationary SI ICE with a maximum engine power of greater than or equal to 500 HP that do not meet the applicable requirements in § 60.4233, except that lean burn engines with a maximum engine power greater than or equal to 500 HP and less than 1,350 HP that do not meet the applicable requirements in § 60.4233 may not be installed after January 1, 2010.

Section 60.4233(e) state that owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards in Table 1 to this subpart for their stationary SI ICE. The applicable emissions requirements from Table 1 are shown below:

Table 1 - NO_X , CO, and VOC Emission Standards for Stationary Non-Emergency SI Engines ≥100 HP (Except Gasoline and Rich Burn LPG), Stationary SI Landfill/Digester Gas Engines, and Stationary Emergency Engines >25 HP

Engine type and fuel	Maximum engine power	Manufacture date	Emission standards (ppmvd at 15% O_2)		
			NO_X	CO	VOC
Non-Emergency SI Natural Gas and Non-Emergency SI Lean Burn LPG (except lean burn 500≤HP<1,350)	HP≥500	7/1/2007	160	540	86

C-7748-16-3: 1877 HP DEUTZ MODEL TBG620V16 NATURAL GAS-FIRED IC ENGINE EQUIPPED WITH A MIRATECH SCR SYSTEM,

POWERING A 1350 KW GENERATOR

- Condition 5 of the requirements for this permit unit ensures compliance with this rule.

20. 40 CFR 63 Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Pursuant to section 63.6590(c)(1), a new or reconstructed stationary RICE located at an area source must meet the requirements of this subpart by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this subpart.

C-7748-16-3: 1877 HP DEUTZ MODEL TBG620V16 NATURAL GAS-FIRED IC ENGINE EQUIPPED WITH A MIRATECH SCR SYSTEM, POWERING A 1350 KW GENERATOR

- This emission unit is a new (constructed after June 12, 2006) spark ignition stationary RICE and will comply with the requirements of this subpart by complying with the requirements of 40 CFR 60 subpart JJJJ. Compliance with 40 CFR 60 subpart JJJJ was discussed under Section IX.B.19.

21. 40 CFR Part 64 – Compliance Assurance Monitoring

§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 issuance of the initial 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.

a. C-7748-1-4: VEGETABLE MILLING OPERATION (MILL ROOM #1) CONSISTING OF A SWECO SEPARATORS, HAMMER MILL, POWDER MILL, ROLLER MILL, ROTO SEIVE, DUMP STATIONS, VIBRATING TABLE, GREAT WESTERN ROTATING SCREEN, AIR TABLE, AND TWO POWDER COLSOLIDATION UNITS (BAGHOUSE UNITS) ALL SERVED BY A 22,000 CFM SAUNCO MODEL 128FLB-144 BAGHOUSE DUST COLLECTOR, AND A SCANMASTER SATAKE COLOR SORTER

   This unit has an emission limit and an add-on control device (baghouse) for PM10.

   The post-control PE = 0.052 lb/ton x 23,255 tons/yr = 1,209 lb/yr.

   Considering a baghouse control efficiency of 99%[2], the pre-control PE = 1,209 lb/yr / (1 – 0.99) = 120,900 lb/yr.

   Since the pre-control PE is less than the PM10 major source

[2] http://www.epa.gov/ttn/catc/dir1/ff-shaker.pdf

threshold (140,000 lb/yr), CAM is not applicable to this unit.

b. C-7748-2-5: VEGETABLE MILLING OPERATION (MILL ROOM #2-2) CONSISTING OF MTMA SEPARATORS, MVSB SEPARATORS, SWECO SEPARATORS, UNIFLOW SEPARATORS, PRECISION SIZER SEPARATORS, GREAT WESTERN ROTATING SCREEN SEPARATORS, HAMMER MILLS, CAGE MILLS, DESTONERS, DRAG CHAIN CONVEYORS, VIBRATING TABLES, BUCKET ELEVATORS, BELT CONVEYORS, SCAN MASTER SATAKE COLOR SORTERS, CYCLONE SEPARATORS, SCREW CONVEYORS, CABLEVEY, AIRLOCKS, AND FANS ALL SERVED BY SAUNCO MODEL SJB12-144-2880 BAGHOUSE DUST COLLECTOR AND SAUNCO MODEL 128FLB-144 BAGHOUSE DUST COLLECTOR AND POWDER RESCREENER, POWDER/GRANULATED GREAT WESTERN ROTATING SCREEN SEPARATORS, BAUERMEISTER POWDER MILLS, FITZ MILLS, ROLLER MILLS, DRUM DUMPER, P1 BIN, P2/P3 BIN, P4 BIN, HOLDING/SURGE BINS, COOL DOWN BINS, BATCH BLENDERS, PACKOUT INFEED RESCREENERS, INFEED CONVEYORS, SCREW CONVEYORS, SURGE HOPPERS, AUGER PACKER, TWO PRESSURE FANS, VIBRATORY DRUM FILLING STATIONS, TOTE/SUPERSACK FILLING STATIONS, CYCLONE SEPARATORS, CABLEVEY, AIRLOCKS, AND FANS ALL SERVED BY AIRLANCO MODEL144AVS12 BAGHOUSE

The emission units under this permit number each have an emission limit and an add-on control device (baghouse) for PM10.

Milling Room and Packing System:

The post-control PE = 0.052 lb/ton x 36,000 tons/yr = 1,872 lb/yr.

Considering a baghouse control efficiency of 99%, the pre-control PE = 1,872 lb/yr / (1 – 0.99) = 187,200 lb/yr.

Since the pre-control PE is greater than the PM10 major source threshold (140,000 lb/yr), CAM is applicable to these units.

Monitoring interval: Since the post-control annual emissions do not exceed the major source threshold, a once-daily monitoring interval is sufficient to determine compliance with CAM.

This permit unit will implement the requirements of CAM for the milling room and packing system by monitoring PM10 emissions using visible emissions evaluation as a surrogate, in conjunction

with monitoring of the baghouse differential pressure to provide supplemental indication of PM10 emission control performance.

The monitoring design criteria of §64.3 are satisfied by proposed conditions 2, 5, 6, 18 and 21.

The requirements of §64.7 (operation of approved monitoring) are satisfied by proposed conditions 22, 23 and 24.

The requirements of §64.8 (quality improvement plan) are satisfied by proposed condition 26.

The requirements of §64.9 (reporting and recordkeeping) are satisfied by proposed condition 25.

Powder Consolidation System:

The post-control PE = 0.0024 lb/ton x 36,000 tons/yr = 86 lb/yr.

Considering a baghouse control efficiency of 99%, the pre-control PE = 86 lb/yr / (1 – 0.99) = 8,600 lb/yr.

Since the pre-control PE is less than the PM10 major source threshold (140,000 lb/yr), CAM is not applicable to this unit.

c. C-7748-5-3: VEGETABLE PACKAGING OPERATION CONSISTING OF, PRODUCT DUMP STATIONS, TWO VIBRATING CONVEYORS, AND TWO SCREW CONVEYORS ALL SERVED BY A 19,200 CFM SAUNCO MODEL 128FLB-144 BAGHOUSE DUST COLLECTOR, AND A TAYLOR MODEL IBC 3000 BULK BAG/TOTE/DRUM FILLER AND ASSOCIATED BELT & ROLLER CONVEYORS

d. C-7748-6-2: BLENDING AND PACKAGING OPERATION (EAST WAREHOUSE 5) CONSISTING OF A MUNSON CONTINUOUS MIXER, VIBRATING TABLE, ASSOCIATED AUGERS AND ROTEX SIFTER ALL SERVED BY WILKEY MODEL #144BL144 BAGHOUSE DUST COLLECTOR

These units each have an emission limit and an add-on control device (baghouse) for PM10.

The post-control PE = 0.052 lb/ton x 51,000 tons/yr = 2,652 lb/yr.

Considering a baghouse control efficiency of 99%, the pre-control PE = 2,652 lb/yr / (1 – 0.99) = 265,200 lb/yr.

Since the pre-control PE is greater than the PM10 major source threshold (140,000 lb/yr), CAM is applicable to these units.

Monitoring interval: Since the post-control annual emissions do not exceed the major source threshold, a once-daily monitoring interval is sufficient to determine compliance with CAM.

These permit units will implement the requirements of CAM for the packaging operations by monitoring PM10 emissions using visible emissions evaluation as a surrogate, in conjunction with monitoring of the baghouse differential pressure to provide supplemental indication of PM10 emission control performance.

The monitoring design criteria of §64.3 are satisfied by proposed conditions 7, 8, 9 and 16.

The requirements of §64.7 (operation of approved monitoring) are satisfied by proposed conditions 17, 18 and 19.

The requirements of §64.8 (quality improvement plan) are satisfied by proposed condition 21.

The requirements of §64.9 (reporting and recordkeeping) are satisfied by proposed condition 20.

e. C-7748-7-2: VEGETABLE ROOM (ACROSS FROM MILLROOM 3) CONSISTING OF A ROTO SIEVE, VIBRATOR TABLE, AND POWDER MILL ALL SERVED BY A 3,000 CFM SAUNCO MODEL 96ABR52 BAGHOUSE DUST COLLECTOR

This unit has an emission limit and an add-on control device (baghouse) for PM10.

The post-control PE = 0.052 lb/ton x 5,000 tons/yr = 260 lb/yr.

Considering a baghouse control efficiency of 99%, the pre-control PE = 260 lb/yr / (1 – 0.99) = 26,000 lb/yr.

Since the pre-control PE is less than the PM10 major source threshold (140,000 lb/yr), CAM is not applicable to this unit.

f. C-7748-8-2: AGGLOMERATION OPERATION WITH ONE AGGLOMERATOR ROOM CONSISTING OF TWO GLATT PRODUCT AGGLOMERATORS AND ONE AGG SIFTER ROOM CONSISTING OF TWO HOPPERS, TWO GYRO WHIP SIFTERS, TWO BUCKET

ELEVATORS, TWO FRITZ MILLS, AND ONE DUMPER STATION SERVED BY A SENECA MODEL 35-1M-8 BAGHOUSE

The emission units under this permit number each have an emission limit and an add-on control device (baghouse) for PM10.

Agglomerator Room:

The post-control PE = 0.052 lb/ton x 5,000 tons/yr = 260 lb/yr.

Considering a baghouse control efficiency of 99%, the pre-control PE = 260 lb/yr / (1 – 0.99) = 26,000 lb/yr.

Since the pre-control PE is less than the PM10 major source threshold (140,000 lb/yr), CAM is not applicable to this unit.

AGG Sifter:

The post-control PE = 0.052 lb/ton x 5,000 tons/yr = 260 lb/yr.

Considering a baghouse control efficiency of 99%, the pre-control PE = 260 lb/yr / (1 – 0.99) = 26,000 lb/yr.

Since the pre-control PE is less than the PM10 major source threshold (140,000 lb/yr), CAM is not applicable to this unit.

g. C-7748-9-1: BULK PRODUCT UNLOADING CONSISTING OF ONE ROLLER TABLE AND ASSOCIATED CONVEYORS ALL SERVED BY A 7,200 CFM SAUNCO MODEL 8-SFLB-81 BAGHOUSE DUST COLLECTOR, AND AN ADDITIONAL BACKUP DUMP STATION

This unit has an emission limit and an add-on control device (baghouse) for PM10.

The post-control PE = 0.0005 lb/ton x 100,000 tons/yr = 50 lb/yr.

Considering a baghouse control efficiency of 99%, the pre-control PE = 50 lb/yr / (1 – 0.99) = 5,000 lb/yr.

Since the pre-control PE is less than the PM10 major source threshold (140,000 lb/yr), CAM is not applicable to this unit.

h. C-7748-10-6: 54 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE A) WITH ONE 54 MMBTU/HR MAXON MODEL SERIES A NATURAL GAS-FIRED BURNER SERVED BY TWO CYCLONES

i. C-7748-11-6: 54 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE B) WITH ONE 54 MMBTU/HR MAXON MODEL SERIES A NATURAL GAS-FIRED BURNER SERVED BY TWO CYCLONES

These units each have an emission limit and an add-on control device (cyclones) for PM10.

For each unit, the post-control PE = 6,758 lb/yr.

Considering an average cyclone control efficiency of 60%[3], the pre-control PE = 6,758 lb/yr / (1 – 0.60) = 16,895 lb/yr.

Since the pre-control PE is less than the PM10 major source threshold (140,000 lb/yr), CAM is not applicable to these units.

j. C-7748-12-1: VEGETABLE DEHYDRATION OPERATION (LINE C) WITH STEAM PROVIDED FROM UNIT -14 AND SERVED BY A 12,000 CFM SAUNCO MODEL 10-SIFT-100 BAGHOUSE DUST COLLECTOR WITH PRE-DEHYDRATION EQUIPMENT AND POST-DEHYDRATION EQUIPMENT (ASPIRATORS & NIPPLE SEPARATORS)

This unit has an emission limit and an add-on control device (baghouse) for PM10.

The post-control PE = 0.0005 lb/ton x 7,000 tons/yr = 4 lb/yr.

Considering a baghouse control efficiency of 99%, the pre-control PE = 4 lb/yr / (1 – 0.99) = 400 lb/yr.

Since the pre-control PE is less than the PM10 major source threshold (140,000 lb/yr), CAM is not applicable to this unit.

k. C-7748-13-6: 69 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE D) WITH TWO 20 MMBTU/HR MAXON MODEL NP1, THREE 8 MMBTU/HR MAXON MODEL NP1, AND ONE 5 MMBTU/HR NATURAL GAS-FIRED BURNERS SERVED BY TWO CYCLONES AND ASSOCIATED ONION SLICER EQUIPMENT

This unit has an emission limit and an add-on control device (cyclones) for PM10.

[3] http://www.epa.gov/ttn/catc/dir1/fcyclon.pdf

The post-control PE = 6,758 lb/yr.

Considering a maximum cyclone control efficiency of 60%, the pre-control PE = 6,758 lb/yr / (1 – 0.60) = 16,895 lb/yr.

Since the pre-control PE is less than the PM10 major source threshold (140,000 lb/yr), CAM is not applicable to this unit.

l. C-7748-14-5: 29.4 MMBTU/HR CLEAVER BROOKS MODEL CBI 700 NATURAL GAS-FIRED BOILER WITH A ERIB GIDEON MODEL ERIB 800 ULTRA LOW NOX BURNER AND O2 TRIM SYSTEM

Since this unit is not equipped with any add-on controls, it is not subject to CAM.

m. C-7748-16-3: 1877 HP DEUTZ MODEL TBG620V16 NATURAL GAS-FIRED IC ENGINE EQUIPPED WITH A MIRATECH SCR SYSTEM, POWERING A 1350 KW GENERATOR

This unit has an emission limit and an add-on control device (SCR system) for NOx.

The post-control PE = 0.06 g/hp-hr x 1,877 hp x 180 days/yr x 24hr/day x (1 lb/453.6 g) = 1,073 lb/yr.

Considering an SCR control efficiency of 90%[4], the pre-control PE = 1,073 lb/yr / (1 – 0.90) = 10,730 lb/yr.

Since the pre-control PE is less than the NOx major source threshold (20,000 lb/yr), CAM is not applicable to this unit.

n. C-7748-17-1: KNIFE SHARPENING OPERATION CONSISTING OF SIX (6) KNIFE SHARPENING MACHINES ALL SERVED BY A SAUNCO MODEL SFSB 6-25-245 BAGHOUSE

This unit has an emission limit and an add-on control device (baghouse) for PM10.

The post-control PE = 0.000091 lb/knife x 576 knives/day x 365 days/yr = 19 lb/yr.

Considering a baghouse control efficiency of 99%, the pre-control PE = 19 lb/yr / (1 – 0.99) = 1,900 lb/yr.

[4] http://www.epa.gov/ttncatc1/dir1/fscr.pdf

Since the pre-control PE is less than the PM10 major source threshold (140,000 lb/yr), CAM is not applicable to this unit.

o. C-7748-18-1: FLAKE BLENDING OPERATION CONSISTING OF A BICONIC BLENDER WITH DRUM DUMPER AND TAKE-AWAY CONVEYOR ALL SERVED BY A WILKEY MODEL #144BL144 BAGHOUSE DUST COLLECTOR SHARED WITH PERMIT C-7748-6

This unit has an emission limit and an add-on control device (baghouse) for PM10.

The post-control PE = 0.052 lb/ton x 35 tons/day x 365 days/yr = 664 lb/yr.

Considering a baghouse control efficiency of 99%, the pre-control PE = 664 lb/yr / (1 – 0.99) = 66,400 lb/yr.

Since the pre-control PE is less than the PM10 major source threshold (140,000 lb/yr), CAM is not applicable to this unit.

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 the template.

B. Requirements not Addressed by Model General Permit Templates

The applicant has not requested any permit shields for requirements not addressed by Model General Permit Templates.

XI. PERMIT CONDITIONS

See draft operating permit beginning on the following page.

San Joaquin Valley
Air Pollution Control District

FACILITY: C-7748-0-1 **EXPIRATION DATE:** 07/31/2014

FACILITY-WIDE REQUIREMENTS

1. {4362} The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. {4363} The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. {4364} The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. {4365} Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. {4366} The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1] Federally Enforceable Through Title V Permit
6. {4367} A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. {4368} Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. {4369} The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
9. {4370} The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

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

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, 2014, 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

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-1-4 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
VEGETABLE MILLING OPERATION (MILL ROOM #1) CONSISTING OF A SWECO SEPARATORS, HAMMER MILL, POWDER MILL, ROLLER MILL, ROTO SEIVE, DUMP STATIONS, VIBRATING TABLE, GREAT WESTERN ROTATING SCREEN, AIR TABLE, AND TWO POWDER COLSOLIDATION UNITS (BAGHOUSE UNITS) ALL SERVED BY A 22,000 CFM SAUNCO MODEL 128FLB-144 BAGHOUSE DUST COLLECTOR, AND A SCANMASTER SATAKE COLOR SORTER

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. Visible emissions from the baghouse serving the mill room shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The baghouse shall operate at all times with a minimum differential pressure of 2 inches water column and a maximum differential pressure of 9 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Emissions from the vegetable milling room shall not exceed 0.052 lb-PM10/ton of material processed. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The daily material processed shall not exceed 150 tons/day. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The annual material processed shall not exceed 23,255 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Permittee shall maintain daily and annual records of the amount of material processed in the vegetable milling room. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

14. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201] 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 1070] Federally Enforceable Through Title V Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-2-5 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
VEGETABLE MILLING OPERATION (MILL ROOM #2-2) CONSISTING OF MTMA SEPARATORS, MVSB SEPARATORS, SWECO SEPARATORS, UNIFLOW SEPARATORS, PRECISION SIZER SEPARATORS, GREAT WESTERN ROTATING SCREEN SEPARATORS, HAMMER MILLS, CAGE MILLS, DESTONERS, DRAG CHAIN CONVEYORS, VIBRATING TABLES, BUCKET ELEVATORS, BELT CONVEYORS, SCAN MASTER SATAKE COLOR SORTERS, CYCLONE SEPARATORS, SCREW CONVEYORS, CABLEVEY, AIRLOCKS, AND FANS ALL SERVED BY SAUNCO MODEL SJB12-144-2880 BAGHOUSE DUST COLLECTOR AND SAUNCO MODEL 128FLB-144 BAGHOUSE DUST COLLECTOR AND POWDER RESCREENER, POWDER/GRANULATED GREAT WESTERN ROTATING SCREEN SEPARATORS, BAUERMEISTER POWDER MILLS, FITZ MILLS, ROLLER MILLS, DRUM DUMPER, P1 BIN, P2/P3 BIN, P4 BIN, HOLDING/SURGE BINS, COOL DOWN BINS, BATCH BLENDERS, PACKOUT INFEED RESCREENERS, INFEED CONVEYORS, SCREW CONVEYORS, SURGE HOPPERS, AUGER PACKER, TWO PRESSURE FANS, VIBRATORY DRUM FILLING STATIONS, TOTE/SUPERSACK FILLING STATIONS, CYCLONE SEPARATORS, CABLEVEY, AIRLOCKS, AND FANS ALL SERVED BY AIRLANCO MODEL144AVS12 BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Each baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. Each gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR 64] Federally Enforceable Through Title V Permit
3. Visible emissions from each baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. Each Saunco baghouse shall operate at all times with a minimum differential pressure of 2 inches water column and a maximum differential pressure of 9 inches water column. [District Rule 2201 and 40 CFR 64] Federally Enforceable Through Title V Permit
6. The Airlanco baghouse shall operate at all times with a minimum differential pressure of 2 inches water column and a maximum differential pressure of 10 inches water column. [District Rule 2201 and 40 CFR 64] Federally Enforceable Through Title V Permit
7. Each baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Each baghouse's cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Replacement bags for each baghouse numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

11. Each baghouse dust collector shall achieve a PM10 control efficiency of at least 99%, on an individual baghouse basis. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Emissions from the vegetable milling room shall not exceed 0.052 lb-PM10 per ton of material processed. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Emissions from the powder consolidation system shall not exceed 0.0024 lb-PM10 per ton powder processed. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Emissions from the packing system shall not exceed 0.052 lb-PM10 per ton of material processed. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The daily throughput (weight of material processed) of Mill Room 2-2 overall shall not exceed 225 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
16. The annual throughput (weight of material processed) of Mill Room 2-2 overall shall not exceed 36,000 tons per year. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Permittee shall maintain daily and annual records of the total weight of material processed in Mill Room 2-2. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Differential operating pressure of each baghouse shall be monitored and recorded on each day that the specific baghouse operates. [District Rule 2201 and 40 CFR 64] Federally Enforceable Through Title V Permit
19. Records of all maintenance of each baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
20. 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 1070] Federally Enforceable Through Title V Permit
21. Visible emissions from the baghouses serving the milling room and packing system shall be evaluated using EPA Method 22 for a period of at least 6 minutes at least once during each day that the milling room and packing system are operated. Records of visible emissions evaluations shall be maintained. [40 CFR Part 64] Federally Enforceable Through Title V Permit
22. If visible emissions from the baghouses serving the milling room and packing system are observed, the permittee shall investigate the cause of visible emissions and take corrective action to minimize emissions and prevent recurrence of emissions as expeditiously as practicable. [40 CFR Part 64] Federally Enforceable Through Title V Permit
23. During each day of operation, the permittee shall record the pressure drops of the baghouses serving the milling room and packing system, and compare the readings to the acceptable ranges. Upon detecting any excursion from the acceptable pressure drop ranges, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. [40 CFR Part 64] Federally Enforceable Through Title V Permit
24. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR Part 64] Federally Enforceable Through Title V Permit
25. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR Part 64] Federally Enforceable Through Title V Permit
26. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-5-3 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
VEGETABLE PACKAGING OPERATION CONSISTING OF, PRODUCT DUMP STATIONS, TWO VIBRATING CONVEYORS, AND TWO SCREW CONVEYORS ALL SERVED BY A 19,200 CFM SAUNCO MODEL 128FLB-144 BAGHOUSE DUST COLLECTOR, AND A TAYLOR MODEL IBC 3000 BULK BAG/TOTE/DRUM FILLER AND ASSOCIATED BELT & ROLLER CONVEYORS

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. Visible emissions from the baghouse serving the blending and packaging room shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
8. The baghouse shall operate at all times with a minimum differential pressure of 2 inches water column and a maximum differential pressure of 9 inches water column. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
9. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
10. Emissions from the blending and packaging room shall not exceed 0.052 lb-PM10/ton of material processed. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The combined daily material processed by units -5 and -6 shall not exceed 175 ton/day. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The combined annual material processed by units -5 and -6 shall not exceed 51,000 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Permittee shall maintain daily and annual records of the amount of material processed in the blending and packaging room. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

14. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201] 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 1070] Federally Enforceable Through Title V Permit
16. Visible emissions from the baghouse shall be evaluated using EPA Method 22 for a period of at least 6 minutes at least once during each day that packaging operations are conducted. Records of visible emissions evaluations shall be maintained. [40 CFR Part 64] Federally Enforceable Through Title V Permit
17. If visible emissions from the baghouse are observed, the permittee shall investigate the cause of visible emissions and take corrective action to minimize emissions and prevent recurrence of emissions as expeditiously as practicable. [40 CFR Part 64] Federally Enforceable Through Title V Permit
18. During each day of operation, the permittee shall record the pressure drop of the baghouse, and compare the readings to the acceptable range. Upon detecting any excursion from the acceptable pressure drop range, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. [40 CFR Part 64] Federally Enforceable Through Title V Permit
19. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR Part 64] Federally Enforceable Through Title V Permit
20. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR Part 64] Federally Enforceable Through Title V Permit
21. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-6-2 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
BLENDING AND PACKAGING OPERATION (EAST WAREHOUSE 5) CONSISTING OF A MUNSON CONTINUOUS MIXER, VIBRATING TABLE, ASSOCIATED AUGERS AND ROTEX SIFTER ALL SERVED BY WILKEY MODEL #144BL144 BAGHOUSE DUST COLLECTOR

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. Visible emissions from the baghouse serving the blending and packaging room shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
8. The baghouse shall operate at all times with a minimum differential pressure of 2 inches water column and a maximum differential pressure of 7 inches water column. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
9. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
10. Emissions from the blending and packaging room shall not exceed 0.052 lb-PM10/ton of material processed. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The combined daily material processed by units -5 and -6 shall not exceed 175 ton/day. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The combined annual material processed by units -5 and -6 shall not exceed 51,000 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Permittee shall maintain daily and annual records of the amount of material processed in the blending and packaging room. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

14. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201] 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 1070] Federally Enforceable Through Title V Permit
16. Visible emissions from the baghouse shall be evaluated using EPA Method 22 for a period of at least 6 minutes at least once during each day that blending and packaging operations are conducted. Records of visible emissions evaluations shall be maintained. [40 CFR Part 64] Federally Enforceable Through Title V Permit
17. If visible emissions from the baghouse are observed, the permittee shall investigate the cause of visible emissions and take corrective action to minimize emissions and prevent recurrence of emissions as expeditiously as practicable. [40 CFR Part 64] Federally Enforceable Through Title V Permit
18. During each day of operation, the permittee shall record the pressure drop of the baghouse, and compare the readings to the acceptable range. Upon detecting any excursion from the acceptable pressure drop range, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. [40 CFR Part 64] Federally Enforceable Through Title V Permit
19. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR Part 64] Federally Enforceable Through Title V Permit
20. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR Part 64] Federally Enforceable Through Title V Permit
21. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-7-2 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
VEGETABLE ROOM (ACROSS FROM MILLROOM 3) CONSISTING OF A ROTO SIEVE, VIBRATOR TABLE, AND POWDER MILL ALL SERVED BY A 3,000 CFM SAUNCO MODEL 96ABR52 BAGHOUSE DUST COLLECTOR

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. Visible emissions from the baghouse serving the vegetable room shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The baghouse shall operate at all times with a minimum differential pressure of 2 inches water column and a maximum differential pressure of 7 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Emissions from the vegetable room shall not exceed 0.052 lb-PM10/ton of material processed. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Maximum product processing rates shall not exceed 25 ton/day and 5,000 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Permittee shall maintain daily and annual records of the amount of material processed in the vegetable room. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-8-2 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
AGGLOMERATION OPERATION WITH ONE AGGLOMERATOR ROOM CONSISTING OF TWO GLATT PRODUCT AGGLOMERATORS AND ONE AGG SIFTER ROOM CONSISTING OF TWO HOPPERS, TWO GYRO WHIP SIFTERS, TWO BUCKET ELEVATORS, TWO FRITZ MILLS, AND ONE DUMPER STATION SERVED BY A SENECA MODEL 35-1M-8 BAGHOUSE

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. Emissions from the agglomerator room shall not exceed 0.052 lb-PM10/ton of material processed. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Emissions from the AGG sifter room shall not exceed 0.052 lb-PM10/ton of material processed. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Maximum product processing rates from the agglomerator room shall not exceed 25 ton/day or 5,000 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Maximum product processing rates from the AGG sifter room shall not exceed 25 ton/day or 5,000 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The baghouse shall operate at all times with a minimum differential pressure of 1 inch water column and a maximum differential pressure of 6 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Permittee shall maintain daily and annual records of the amount of material processed in each of the agglomerator and AGG sifter rooms. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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 1070] Federally Enforceable Through Title V Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-9-1 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
BULK PRODUCT UNLOADING CONSISTING OF ONE ROLLER TABLE AND ASSOCIATED CONVEYORS ALL SERVED BY A 7,200 CFM SAUNCO MODEL 8-SFLB-81 BAGHOUSE DUST COLLECTOR, AND AN ADDITIONAL BACKUP DUMP STATION

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. Visible emissions from the baghouse serving the bulk product unloading operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The baghouse shall operate at all times with a minimum differential pressure of 2 inches water column and a maximum differential pressure of 7 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Emissions from the bulk product unloading operation shall not exceed 0.0005 lb-PM10/ton of material processed. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Maximum product processing rates shall not exceed 800 ton/day and 100,000 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Permittee shall maintain daily and annual records of the amount of material processed in the bulk product unloading operation. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-10-6 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
54 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE A) WITH MAXON MODEL SERIES A NATURAL GAS-FIRED BURNERS SERVED BY TWO CYCLONES

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. The unit shall only be fired on PUC-regulated natural gas. [District Rules 2201, 4309 and 4801] Federally Enforceable Through Title V Permit
4. This dehydrator shall be operated and maintained in proper operating condition as recommended by the dehydrator's manufacturer or APCO-approved alternative procedures. [District Rule 4309] Federally Enforceable Through Title V Permit
5. The combined annual emissions from units -10, -11, -13, -14, and -16 shall not exceed any of the following limits: 23,996 lb-NOx/year, 1,387 lb-SOx/year, 6,758 lb-PM10/year, 33,015 lb-CO/year, and 13,169 lb-VOC/year. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
6. The combined daily material processed by units -10, -11, and -13 shall not exceed 375 ton/day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The combined annual material processed by units -10, -11, and -13 shall not exceed 59,255 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
8. PM10 emissions from the handling of dehydrated material not exceed 0.005 lb-PM10/ton material processed. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Emissions from the natural gas-fired unit shall not exceed any of the following limits: 5.25 ppmvd NOx @ 19% O2 or 0.06 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.014 lb-PM10/MMBtu, 8.62 ppmvd CO @ 19% O2 or 0.06 lb-CO/MMBtu, or 0.026 lb-VOC/MMBtu. [District Rules 2201, 4301 and 4309] Federally Enforceable Through Title V Permit
10. A copy of the manufacturer's operation specifications and maintenance instruction manual or APCO-approved alternative procedures shall be maintained on-site during normal business hours. [District Rule 4309] Federally Enforceable Through Title V Permit
11. Permittee shall maintain daily operation and maintenance records that demonstrate the dehydrator is operated within the limits of the manufacturer's specification, and maintenance is performed according to the manufacturer's recommendation or APCO-approved alternative procedures. [District Rule 4309] Federally Enforceable Through Title V Permit
12. Permittee shall maintain records which demonstrate the dehydrator is fired exclusively on PUC quality natural gas. [District Rule 4309] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

13. Permittee shall maintain daily and annual records of the amount of material processed in the vegetable dehydration line. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Permittee shall maintain annual records of the amount of fuel used in the vegetable dehydration line. [District Rule 2201] Federally Enforceable Through Title V Permit

15. Permittee shall maintain records of the combined annual NOx, SOx, PM10, CO, and VOC emissions of units -10, -11,-13, -14, and -16. [District Rule 2201] Federally Enforceable Through Title V Permit

16. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4309] Federally Enforceable Through Title V Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-11-6 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
54 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE B) WITH MAXON MODEL SERIES A NATURAL GAS-FIRED BURNERS SERVED BY TWO CYCLONES

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. The unit shall only be fired on PUC-regulated natural gas. [District Rules 2201, 4309 and 4801] Federally Enforceable Through Title V Permit
4. This dehydrator shall be operated and maintained in proper operating condition as recommended by the dehydrator's manufacturer or APCO-approved alternative procedures. [District Rule 4309] Federally Enforceable Through Title V Permit
5. The combined annual emissions from units -10, -11, -13, -14, and -16 shall not exceed any of the following limits: 23,996 lb-NOx/year, 1,387 lb-SOx/year, 6,758 lb-PM10/year, 33,015 lb-CO/year, and 13,169 lb-VOC/year. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
6. The combined daily material processed by units -10, -11, and -13 shall not exceed 375 ton/day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The combined annual material processed by units -10, -11, and -13 shall not exceed 59,255 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
8. PM10 emissions from the handling of dehydrated material not exceed 0.005 lb-PM10/ton material processed. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Emissions from the natural gas-fired unit shall not exceed any of the following limits: 5.25 ppmvd NOx @ 19% O2 or 0.06 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.014 lb-PM10/MMBtu, 8.62 ppmvd CO @ 19% O2 or 0.06 lb-CO/MMBtu, or 0.026 lb-VOC/MMBtu. [District Rules 2201, 4301 and 4309] Federally Enforceable Through Title V Permit
10. A copy of the manufacturer's operation specifications and maintenance instruction manual or APCO-approved alternative procedures shall be maintained on-site during normal business hours. [District Rule 4309] Federally Enforceable Through Title V Permit
11. Permittee shall maintain daily operation and maintenance records that demonstrate the dehydrator is operated within the limits of the manufacturer's specification, and maintenance is performed according to the manufacturer's recommendation or APCO-approved alternative procedures. [District Rule 4309] Federally Enforceable Through Title V Permit
12. Permittee shall maintain records which demonstrate the dehydrator is fired exclusively on PUC quality natural gas. [District Rule 4309] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

13. Permittee shall maintain daily and annual records of the amount of material processed in the vegetable dehydration line. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Permittee shall maintain annual records of the amount of fuel used in the vegetable dehydration line. [District Rule 2201] Federally Enforceable Through Title V Permit

15. Permittee shall maintain records of the combined annual NOx, SOx, PM10, CO, and VOC emissions of units -10, -11,-13, -14, and -16. [District Rule 2201] Federally Enforceable Through Title V Permit

16. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4309] Federally Enforceable Through Title V Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-12-1 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
VEGETABLE DEHYDRATION OPERATION (LINE C) WITH STEAM PROVIDED FROM UNIT -14 AND SERVED BY A 12,000 CFM SAUNCO MODEL 10-SIFT-100 BAGHOUSE DUST COLLECTOR WITH PRE-DEHYDRATION EQUIPMENT AND POST-DEHYDRATION EQUIPMENT (ASPIRATORS & NIPPLE SEPARATORS)

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. Visible emissions from the baghouse serving the vegetable dehydration line shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The baghouse shall operate at all times with a minimum differential pressure of 2 inches water column and a maximum differential pressure of 7 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Emissions from the vegetable dehydration line shall not exceed 0.0005 lb-PM10/ton of material processed. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Maximum product processing rates shall not exceed 90 ton/day and 7,000 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Permittee shall maintain daily and annual records of the amount of material processed in the vegetable dehydration line. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-13-6 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
69 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE D) WITH TWO 20 MMBTU/HR MAXON MODEL NP1, THREE 8 MMBTU/HR MAXON MODEL NP1, AND ONE 5 MMBTU/HR NATURAL GAS-FIRED BURNERS SERVED BY TWO CYCLONES AND ASSOCIATED ONION SLICER EQUIPMENT

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. The unit shall only be fired on PUC-regulated natural gas. [District Rules 2201, 4309 and 4801] Federally Enforceable Through Title V Permit
4. This dehydrator shall be operated and maintained in proper operating condition as recommended by the dehydrator's manufacturer or APCO-approved alternative procedures. [District Rule 4309] Federally Enforceable Through Title V Permit
5. The combined annual emissions from units -10, -11, -13, -14, and -16 shall not exceed any of the following limits: 23,996 lb-NOx/year, 1,387 lb-SOx/year, 6,758 lb-PM10/year, 33,015 lb-CO/year, and 13,169 lb-VOC/year. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
6. The combined daily material processed by units -10, -11, and -13 shall not exceed 375 ton/day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The combined annual material processed by units -10, -11, and -13 shall not exceed 59,255 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
8. PM10 emissions from the handling of dehydrated material not exceed 0.005 lb-PM10/ton material processed. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Emissions from the natural gas-fired unit shall not exceed any of the following limits: 5.25 ppmvd NOx @ 19% O2 or 0.06 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.014 lb-PM10/MMBtu, 8.62 ppmvd CO @ 19% O2 or 0.06 lb-CO/MMBtu, or 0.026 lb-VOC/MMBtu. [District Rules 2201, 4301 and 4309] Federally Enforceable Through Title V Permit
10. A copy of the manufacturer's operation specifications and maintenance instruction manual or APCO-approved alternative procedures shall be maintained on-site during normal business hours. [District Rule 4309] Federally Enforceable Through Title V Permit
11. Permittee shall maintain daily operation and maintenance records that demonstrate the dehydrator is operated within the limits of the manufacturer's specification, and maintenance is performed according to the manufacturer's recommendation or APCO-approved alternative procedures. [District Rule 4309] Federally Enforceable Through Title V Permit
12. Permittee shall maintain records, which demonstrates the dehydrator is fired exclusively on PUC quality natural gas. [District Rule 4309] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

13. Permittee shall maintain daily and annual records of the amount of material processed in the vegetable dehydration line. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Permittee shall maintain annual records of the amount of fuel used in the vegetable dehydration line. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Permittee shall maintain records of the combined annual NOx, SOx, PM10, CO, and VOC emissions of units -10, -11,-13, -14, and -16. [District Rule 2201] Federally Enforceable Through Title V Permit
16. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4309] Federally Enforceable Through Title V Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-14-5 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
29.4 MMBTU/HR CLEAVER BROOKS MODEL CBI 700 NATURAL GAS-FIRED BOILER WITH A ERIB GIDEON MODEL ERIB 800 ULTRA LOW NOX BURNER AND O2 TRIM 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-regulated natural gas. [District Rules 2201, 4320 and 4801] Federally Enforceable Through Title V Permit
3. 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 60.48c(g)] Federally Enforceable Through Title V Permit
4. The combined annual emissions from units -10, -11, -13, -14, and -16 shall not exceed any of the following limits: 23,996 lb-NOx/year, 1,387 lb-SOx/year, 6,758 lb-PM10/year, 33,015 lb-CO/year, and 13,169 lb-VOC/year. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
5. Emissions rates from the natural gas-fired unit shall not exceed any of the following limits: 7 ppmv NOx @ 3% O2 or 0.008 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.014 lb-PM10/MMBtu, 81.2 ppmv CO @ 3% O2 or 0.06 lb-CO/MMBtu, or 0.026 lb-VOC/MMBtu. [District Rules 2201, 4301, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
6. Source testing to measure NOx and CO 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, 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
7. 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
8. 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
9. 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
10. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

11. 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

12. 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

13. 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

14. 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

15. 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 it has been performed within the last month. [District Rules 2201, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit

16. 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 the performing the notification and testing required by this condition. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit

17. 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

18. The permittee shall maintain records of: (1) the date and time of NOx, CO, and O2 measurements, (2) the O2 concentration in percent and the measured NOx 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

19. Permittee shall maintain daily records of the type and quantity of fuel combusted by the boiler. [District Rules 2201 and 40 CFR 60.48c(g)] Federally Enforceable Through Title V Permit

20. Permittee shall maintain records of the combined annual NOx, SOx, PM10, CO, and VOC emissions of units -10, -11,-13, -14, and -16. [District Rule 2201] Federally Enforceable Through Title V Permit

21. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, 4306, 4320 and 40 CFR 60.48c(i)] Federally Enforceable Through Title V Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-16-3 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
1877 HP DEUTZ MODEL TBG620V16 NATURAL GAS-FIRED IC ENGINE EQUIPPED WITH A MIRATECH SCR SYSTEM, POWERING A 1350 KW GENERATOR

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-regulated natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The permittee shall install and operate a nonresettable fuel meter and a nonresettable elapsed operating time meter. In lieu of installing a nonresettable fuel meter, the owner or operator may use a non-resettable elapsed operating time meter in conjunction with the engine manufacturer's maximum rated fuel consumption to determine annual fuel usage. [District Rule 4702] Federally Enforceable Through Title V Permit
4. The operation of the IC engine shall not exceed more than 180 days/year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 5 ppmvd NOx @ 15% O2 (equivalent to 0.06 g-NOx/hp-hr), 0.011 g-SOx/hp-hr, 0.02 g-PM10/hp-hr, 71 ppmvd CO @ 15% O2 (equivalent to 0.6 g-CO/hp-hr), or 25 ppmvd VOC @ 15% O2 (equivalent to 0.15 g-VOC/hp-hr). [District Rules 2201 and 4702 and 40 CFR 60 Subpart JJJJ] Federally Enforceable Through Title V Permit
6. The ammonia (NH3) emissions shall not exceed 10 ppmvd @ 15% O2. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
7. The combined annual emissions from units -10, -11, -13, -14, and -16 shall not exceed any of the following limits: 23,996 lb-NOx/year, 1,387 lb-SOx/year, 6,758 lb-PM10/year, 33,015 lb-CO/year, and 13,169 lb-VOC/year. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
8. NOx, CO, VOC, and NH3 emissions shall be measured (source tested) not less than once every 12 months. [District Rules 2201 and 4702] Federally Enforceable Through Title V Permit
9. Emissions source testing shall be conducted with the engine operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. [District Rule 4702] Federally Enforceable Through Title V Permit
10. 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. VOC emissions shall be reported as methane. VOC, NOx, and CO concentrations shall be reported in ppmv, corrected to 15% oxygen. [District Rule 4702] Federally Enforceable Through Title V Permit
11. The following test methods shall be used for testing other than start-up testing: NOx (ppmv) - EPA Method 7E or ARB Method 100, CO (ppmv) - EPA Method 10 or ARB Method 100, VOC (ppmv) - EPA Method 25A or 25B, or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and ammonia - BAAQMD ST-1B. EPA approved alternative test methods as approved by the District may also be used to address the source testing requirements of this permit. [District Rules 1081 and 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

12. 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

13. 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

14. The permittee shall monitor and record the stack concentration of NOx, CO, O2, and NH3 at least once every month (in which a source test is not performed). NOx, CO, and O2 concentrations shall be preformed using a portable emission monitor that meets District specifications. NH3 monitoring shall be conducted utilizing District approved gas-detection tubes or a District approved equivalent method. Monitoring shall not be required if the engine is not in operation, i.e. the engine need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the engine unless monitoring has been performed within the last month. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rules 4102 and 4702] Federally Enforceable Through Title V Permit

15. If the NOx or CO concentrations corrected to 15% O2, as measured by the portable analyzer, or the NH3 concentrations corrected to 15% O2, as measured by District approved gas-detection tubes, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 8 hours 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 the performing the notification and testing required by this condition. [District Rules 4102 and 4702] Federally Enforceable Through Title V Permit

16. 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 Rule 4702] Federally Enforceable Through Title V Permit

17. This engine shall be operated and maintained in proper operating condition per the manufacturer's requirements as specified on the Inspection and Monitoring (I&M) plan submitted to the District. [District Rule 4702] Federally Enforceable Through Title V Permit

18. The permittee shall maintain records of: (1) the date and time of NOx, CO, O2 and NH3 measurements, (2) the O2 concentration in percent and the measured NOx, CO, and NH3 concentrations corrected to 15% O2, (3) make and model of exhaust gas analyzer, (4) exhaust gas 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 within the acceptable range. [District Rules 4102 and 4702] Federally Enforceable Through Title V Permit

19. The permittee shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type and quantity (cubic feet of gas or gallons of liquid) of fuel used, maintenance or modifications performed, monitoring data, compliance source test results, and any other information necessary to demonstrate compliance. [District Rule 4702] Federally Enforceable Through Title V Permit

20. Permittee shall maintain annual records of the days the natural gas-fired IC engine is operated. [District Rule 2201] Federally Enforceable Through Title V Permit

21. Permittee shall maintain records of the combined annual NOx, SOx, PM10, CO, and VOC emissions of units -10, -11,-13, -14, and -16. [District Rule 2201] Federally Enforceable Through Title V Permit

22. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

23. The permittee shall update the I&M plan for this engine prior to any planned change in operation. The permittee must notify the District no later than seven days after changing the I&M plan and must submit an updated I&M plan to the APCO for approval no later than 14 days after the change. The date and time of the change to the I&M plan shall be recorded in the engine's operating log. For modifications, the revised I&M plan shall be submitted to and approved by the APCO prior to issuance of the Permit to Operate. The permittee may request a change to the I&M plan at any time. [District Rule 4702] Federally Enforceable Through Title V Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-17-1 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
KNIFE SHARPENING OPERATION CONSISTING OF SIX (6) KNIFE SHARPENING MACHINES ALL SERVED BY A SAUNCO MODEL SFSB 6-25-245 BAGHOUSE

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. Visible emissions from the baghouse serving the blending and packaging room shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
6. A spare set of bags shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The baghouse shall operate at all times with a minimum differential pressure of 1 inches water column and a maximum differential pressure of 8 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Emissions from the dust collector shall not exceed 0.000091 lb-PM10/knife sharpened. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The permittee shall not sharpen more than 576 knives in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Permittee shall maintain daily records of the number of knives sharpened through this operation. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-18-1 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
FLAKE BLENDING OPERATION CONSISTING OF A BICONIC BLENDER WITH DRUM DUMPER AND TAKE-AWAY CONVEYOR ALL SERVED BY A WILKEY MODEL #144BL144 BAGHOUSE DUST COLLECTOR SHARED WITH PERMIT C-7748-6

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. Visible emissions from the baghouse serving the blending operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The baghouse shall operate at all times with a minimum differential pressure of 2 inches water column and a maximum differential pressure of 7 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Emissions from the blending and packaging room shall not exceed 0.052 lb-PM10/ton of material processed. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The daily material processed shall not exceed 35 ton/day. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Permittee shall maintain daily records of the amount of material processed in the blending operation. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

Attachment A

Detailed Facility Report

Detailed Facility Report

For Facility=7748 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

OLAM WEST COAST INC
47641 W NEES AVE
FIREBAUGH, CA

FAC # **C 7748**
STATUS: **A**
TELEPHONE:

TYPE: **TitleV**
TOXIC ID:

EXPIRE ON: 07/31/2014
AREA: 3 /
INSP. DATE: 01/15

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-7748-1-3	361.5 hp electric motors	3020-01 E	1	412.00	412.00	A	VEGETABLE MILLING OPERATION (MILL ROOM #1) CONSISTING OF A SWECO SEPARATORS, HAMMER MILL, POWDER MILL, ROLLER MILL, ROTO SEIVE, DUMP STATIONS, VIBRATING TABLE, GREAT WESTERN ROTATING SCREEN, AIR TABLE, AND TWO POWDER COLSOLIDATION UNITS (BAGHOUSE UNITS) ALL SERVED BY A 22,000 CFM SAUNCO MODEL 128FLB-144 BAGHOUSE DUST COLLECTOR, AND A SCANMASTER SATAKE COLOR SORTER
C-7748-2-4	1,382 hp	3020-01 G	1	815.00	815.00	A	VEGETABLE MILLING OPERATION (MILL ROOM #2-2) CONSISTING OF MTMA SEPARATORS, MVSB SEPARATORS, SWECO SEPARATORS, UNIFLOW SEPARATORS, PRECISION SIZER SEPARATORS, GREAT WESTERN ROTATING SCREEN SEPARATORS, HAMMER MILLS, CAGE MILLS, DESTONERS, DRAG CHAIN CONVEYORS, VIBRATING TABLES, BUCKET ELEVATORS, BELT CONVEYORS, SCAN MASTER SATAKE COLOR SORTERS, CYCLONE SEPARATORS, SCREW CONVEYORS, CABLEVEY, AIRLOCKS, AND FANS ALL SERVED BY SAUNCO MODEL SJB12-144-2880 BAGHOUSE DUST COLLECTOR AND SAUNCO MODEL 128FLB-144 BAGHOUSE DUST COLLECTOR AND POWDER RESCREENER, POWDER/GRANULATED GREAT WESTERN ROTATING SCREEN SEPARATORS, BAUERMEISTER POWDER MILLS, FITZ MILLS, ROLLER MILLS, DRUM DUMPER, P1 BIN, P2/P3 BIN, P4 BIN, HOLDING/SURGE BINS, COOL DOWN BINS, BATCH BLENDERS, PACKOUT INFEED RESCREENERS, INFEED CONVEYORS, SCREW CONVEYORS, SURGE HOPPERS, AUGER PACKER, TWO PRESSURE FANS, VIBRATORY DRUM FILLING STATIONS, TOTE/SUPERSACK FILLING STATIONS, CYCLONE SEPARATORS, CABLEVEY, AIRLOCKS, AND FANS ALL SERVED BY AIRLANCO MODEL144AVS12 BAGHOUSE
C-7748-5-2	113 hp electric motors	3020-01 D	1	314.00	314.00	A	VEGETABLE PACKAGING OPERATION CONSISTING OF, PRODUCT DUMP STATIONS, TWO VIBRATING CONVEYORS, AND TWO SCREW CONVEYORS ALL SERVED BY A 19,200 CFM SAUNCO MODEL 12SFLB144 BAGHOUSE DUST COLLECTOR, AND A TAYLOR MODEL IBC 3000 BULK BAG/TOTE/DRUM FILLER AND ASSOCIATED BELT & ROLLER CONVEYORS
C-7748-6-1	93 hp electric motors	3020-01 C	1	197.00	197.00	A	BLENDING AND PACKAGING OPERATION (EAST WAREHOUSE 5) CONSISTING OF A MUNSON CONTINUOUS MIXER, VIBRATING TABLE, ASSOCIATED AUGERS AND ROTEX SIFTER ALL SERVED BY WILKEY MODEL #144BL144 BAGHOUSE DUST COLLECTOR
C-7748-7-0	131 hp electric motors	3020-01 D	1	314.00	314.00	A	VEGETABLE ROOM (ACROSS FROM MILLROOM 3) CONSISTING OF A ROTO SIEVE, VIBRATOR TABLE, AND POWDER MILL ALL SERVED BY A 3,000 CFM SAUNCO MODEL 96ABR52 BAGHOUSE DUST COLLECTOR

Detailed Facility Report

For Facility=7748 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-7748-8-1	221.5 hp elecric motors	3020-01 E	1	412.00	412.00	A	AGGLOMERATION OPERATION WITH ONE AGGLOMERATOR ROOM CONSISTING OF TWO GLATT PRODUCT AGGLOMERATORS AND ONE AGG SIFTER ROOM CONSISTING OF TWO HOPPERS, TWO GYRO WHIP SIFTERS, TWO BUCKET ELEVATORS, TWO FRITZ MILLS, AND ONE DUMPER STATION SERVED BY A SENECA MODEL 35-1M-8 BAGHOUSE
C-7748-9-0	196.5 hp electric motors	3020-01 D	1	314.00	314.00	A	BULK PRODUCT UNLOADING CONSISTING OF ONE ROLLER TABLE AND ASSOCIATED CONVEYORS ALL SERVED BY A 7,200 CFM SAUNCO MODEL 8-SFLB-81 BAGHOUSE DUST COLLECTOR, AND AN ADDITIONAL BACKUP DUMP STATION
C-7748-10-3	54 MMBtu/hr dehydrator	3020-02 H	1	1,030.00	1,030.00	A	54 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE A) WITH ONE 54 MMBTU/HR MAXON MODEL SERIES A NATURAL GAS-FIRED BURNER SERVED BY TWO CYCLONES
C-7748-11-3	54 MMBtu/hr dehydrator	3020-02 H	1	1,030.00	1,030.00	A	54 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE B) WITH ONE 54 MMBTU/HR MAXON MODEL SERIES A NATURAL GAS-FIRED BURNER SERVED BY TWO CYCLONES
C-7748-12-0	235.5 hp electric motors	3020-01 E	1	412.00	412.00	A	VEGETABLE DEHYDRATION OPERATION (LINE C) WITH STEAM PROVIDED FROM UNIT -14 AND SERVED BY A 12,000 CFM SAUNCO MODEL 10-SIFT-100 BAGHOUSE DUST COLLECTOR WITH PRE-DEHYDRATION EQUIPMENT AND POST-DEHYDRATION EQUIPMENT (ASPIRATORS & NIPPLE SEPARATORS)
C-7748-13-3	48.5 MMBtu/hr dehydrator	3020-02 H	1	1,030.00	1,030.00	A	69 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE D) WITH TWO 20 MMBTU/HR MAXON MODEL NP1, THREE 8 MMBTU/HR MAXON MODEL NP1, AND ONE 5 MMBTU/HR NATURAL GAS-FIRED BURNERS SERVED BY TWO CYCLONES AND ASSOCIATED ONION SLICER EQUIPMENT
C-7748-14-3	29.4 MMBtu/hr boiler	3020-02 H	1	1,030.00	1,030.00	A	29.4 MMBTU/HR CLEAVER BROOKS MODEL CBI 700 NATURAL GAS-FIRED BOILER WITH A ERIB GIDEON MODEL ERIB 800 ULTRA LOW NOX BURNER AND O2 TRIM SYSTEM
C-7748-16-1	1,350 kW electrical generator	3020-08A C	1	1,533.00	1,533.00	A	1877 HP DEUTZ MODEL TBG620V16 NATURAL GAS-FIRED IC ENGINE EQUIPPED WITH A MIRATECH SCR SYSTEM, POWERING A 1350 KW GENERATOR
C-7748-17-0	19.5 bhp electric motors	3020-01 A	1	87.00	87.00	A	KNIFE SHARPENING OPERATION CONSISTING OF SIX (6) KNIFE SHARPENING MACHINES ALL SERVED BY A SAUNCO MODEL SFSB 6-25-245 BAGHOUSE
C-7748-18-0	8 hp electric motors	3020-01 A	1	87.00	87.00	A	FLAKE BLENDING OPERATION CONSISTING OF A BICONIC BLENDER WITH DRUM DUMPER AND TAKE-AWAY CONVEYOR ALL SERVED BY A WILKEY MODEL #144BL144 BAGHOUSE DUST COLLECTOR SHARED WITH PERMIT C-7748-6

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 West Coast, Inc.	FACILITY ID: C - 7748

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	√
Structure or incinerator assoc. with a structure designed as a dwelling for 4 families or less	4.1	
Locomotives, airplanes, and watercraft used to transport passengers or freight	4.4	
Natural gas or LPG-fired boilers or other indirect heat transfer units of 5 MMBtu/hr or less	6.1.1	√
Piston-type i.c.engine with maximum continuous rating of 50 braking horsepower (bhp) or less	6.1.2	√
Gas turbine engines with maximum heat input rating of 3 MMBtu/hr or less	6.1.3	
Space heating equipment other than boilers	6.1.4	√
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	
Use of less than 2 gal/day of graphic arts materials	6.3	
Equipment at retail establishments used to prepare food for human consumption	6.4.1	
Ovens at bakeries with total daily production less than 1,000 pounds and exempt by sec. 6.1.1	6.4.3	
Equipment used exclusively for extruding or compression molding of rubber or plastics, where no plastisizer or blowing agent is used	6.5	
Containers used to store clean produced water	6.6.1	
Containers ≤100 bbl used to store oil with specific gravity ≥ 0.8762	6.6.2	
Containers ≤ 100 bbl installed prior to 6/1/89 used to store oil with specific gravity ≥ 0.8762	6.6.3	
Containers with a capacity ≤ 250 gallons used to store organic material where the actual storage temperature <150 F	6.6.4	
Containers used to store unheated organic material with an initial boiling point ≥ 302 F	6.6.5	
Containers used to store fuel oils or non-air-blown asphalt with specific gravity ≥0.9042	6.6.6	
Containers used to store petroleum distillates used as motor fuel with specific gravity ≥ 0.8251	6.6.7	√

Exemption Category	Rule 2020 Citation	√
Containers used to store refined lubricating oils	6.6.8	
Unvented pressure vessels used exclusively to store liquified gases or assoc with exempt equipment	6.6.9 or 6.13	
Portable tanks used exclusively to store produced fluids for ≤ six months	6.6.10	
Mobile transport tanks on delivery vehicles of VOCs	6.6.11	
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	
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	
Equipment used exclusively for the transfer of refined lubricating oil	6.7.2	
Equipment used to apply architectural coatings	6.8.1	
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	
Brazing, soldering, or welding equipment	6.10	√
Equipment used to compress natural gas	6.11	
Fugitive emissions sources assoc. with exempt equipment	6.12	
Pits and Ponds as defined in Rule 1020	6.15	
On-site roadmix manufacturing and the application of roadmix as a road base material	6.17	
Emissions less than 2 lb/day from units not included above	6.19	
Venting PUC quality natural gas from for sole purpose of pipeline and compressor repair and or maintenance	7.2	
Non-structural repairs & maintenance to permitted equipment	7.3	√
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 Permit to Operate

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

Permit to Operate

FACILITY: C-7748 **EXPIRATION DATE:** 07/31/2014

LEGAL OWNER OR OPERATOR: OLAM WEST COAST INC
MAILING ADDRESS: 47641 W NEES AVE
FIREBAUGH, CA 93622

FACILITY LOCATION: 47641 W NEES AVE
FIREBAUGH, CA

FACILITY DESCRIPTION: AGRICULTURAL PRODUCTS DEHYDRATING

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

Arnaud Marjollet
Director of Permit Services

Central Regional Office • 1990 E. Gettysburg Ave. • Fresno, CA 93726 • (559) 230-5900 • Fax (559) 230-6061

San Joaquin Valley
Air Pollution Control District

FACILITY: C-7748-0-0 **EXPIRATION DATE:** 07/31/2014

FACILITY-WIDE 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]

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.

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-1-3 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
VEGETABLE MILLING OPERATION (MILL ROOM #1) CONSISTING OF A SWECO SEPARATORS, HAMMER MILL, POWDER MILL, ROLLER MILL, ROTO SEIVE, DUMP STATIONS, VIBRATING TABLE, GREAT WESTERN ROTATING SCREEN, AIR TABLE, AND TWO POWDER COLSOLIDATION UNITS (BAGHOUSE UNITS) ALL SERVED BY A 22,000 CFM SAUNCO MODEL 128FLB-144 BAGHOUSE DUST COLLECTOR, AND A SCANMASTER SATAKE COLOR SORTER

PERMIT UNIT REQUIREMENTS

1. Visible emissions from the baghouse serving the mill room shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201]
2. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
3. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201]
4. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201]
5. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
6. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201]
7. The baghouse shall operate at all times with a minimum differential pressure of 2 inches water column and a maximum differential pressure of 9 inches water column. [District Rule 2201]
8. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
9. Emissions from the vegetable milling room shall not exceed 0.052 lb-PM10/ton of material processed. [District Rule 2201]
10. The daily material processed shall not exceed 150 tons/day. [District Rule 2201]
11. The annual material processed shall not exceed 23,255 tons/year. [District Rule 2201]
12. Permittee shall maintain daily and annual records of the amount of material processed in the vegetable milling room. [District Rule 2201]
13. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-2-4 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
VEGETABLE MILLING OPERATION (MILL ROOM #2-2) CONSISTING OF MTMA SEPARATORS, MVSB SEPARATORS, SWECO SEPARATORS, UNIFLOW SEPARATORS, PRECISION SIZER SEPARATORS, GREAT WESTERN ROTATING SCREEN SEPARATORS, HAMMER MILLS, CAGE MILLS, DESTONERS, DRAG CHAIN CONVEYORS, VIBRATING TABLES, BUCKET ELEVATORS, BELT CONVEYORS, SCAN MASTER SATAKE COLOR SORTERS, CYCLONE SEPARATORS, SCREW CONVEYORS, CABLEVEY, AIRLOCKS, AND FANS ALL SERVED BY SAUNCO MODEL SJB12-144-2880 BAGHOUSE DUST COLLECTOR AND SAUNCO MODEL 128FLB-144 BAGHOUSE DUST COLLECTOR AND POWDER RESCREENER, POWDER/GRANULATED GREAT WESTERN ROTATING SCREEN SEPARATORS, BAUERMEISTER POWDER MILLS, FITZ MILLS, ROLLER MILLS, DRUM DUMPER, P1 BIN, P2/P3 BIN, P4 BIN, HOLDING/SURGE BINS, COOL DOWN BINS, BATCH BLENDERS, PACKOUT INFEED RESCREENERS, INFEED CONVEYORS, SCREW CONVEYORS, SURGE HOPPERS, AUGER PACKER, TWO PRESSURE FANS, VIBRATORY DRUM FILLING STATIONS, TOTE/SUPERSACK FILLING STATIONS, CYCLONE SEPARATORS, CABLEVEY, AIRLOCKS, AND FANS ALL SERVED BY AIRLANCO MODEL144AVS12 BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201]
3. Each baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. Each gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201]
4. Visible emissions from each baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201]
5. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
6. Each Saunco baghouse shall operate at all times with a minimum differential pressure of 2 inches water column and a maximum differential pressure of 9 inches water column. [District Rule 2201]
7. The differential pressure gauge reading range for the Airlanco baghouse shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201]
8. Each baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
9. Each baghouse's cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201]
10. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201]
11. Replacement bags for each baghouse numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
12. Each baghouse dust collector shall achieve a PM10 control efficiency of at least 99%, on an individual baghouse basis. [District Rule 2201]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

13. Emissions from the vegetable milling room shall not exceed 0.052 lb-PM10 per ton of material processed. [District Rule 2201]
14. Emissions from the powder consolidation system shall not exceed 0.0024 lb-PM10 per ton powder processed. [District Rule 2201]
15. Emissions from the packing system shall not exceed 0.052 lb-PM10 per ton of material processed. [District Rule 2201]
16. The daily throughput (weight of material processed) of Mill Room 2-2 overall shall not exceed 225 tons per day. [District Rule 2201]
17. The annual throughput (weight of material processed) of Mill Room 2-2 overall shall not exceed 36,000 tons per year. [District Rule 2201]
18. Permittee shall maintain daily and annual records of the total weight of material processed in Mill Room 2-2. [District Rule 2201]
19. Differential operating pressure of each baghouse shall be monitored and recorded on each day that the specific baghouse operates. [District Rule 2201]
20. Records of all maintenance of each baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
21. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-5-2 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
VEGETABLE PACKAGING OPERATION CONSISTING OF, PRODUCT DUMP STATIONS, TWO VIBRATING CONVEYORS, AND TWO SCREW CONVEYORS ALL SERVED BY A 19,200 CFM SAUNCO MODEL 12SFLB144 BAGHOUSE DUST COLLECTOR, AND A TAYLOR MODEL IBC 3000 BULK BAG/TOTE/DRUM FILLER AND ASSOCIATED BELT & ROLLER CONVEYORS

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. Visible emissions from the baghouse serving the blending and packaging room shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201]
4. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
5. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201]
6. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201]
7. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
8. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201]
9. The baghouse shall operate at all times with a minimum differential pressure of 2 inches water column and a maximum differential pressure of 9 inches water column. [District Rule 2201]
10. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
11. Emissions from the blending and packaging room shall not exceed 0.052 lb-PM10/ton of material processed. [District Rule 2201]
12. The combined daily material processed by units -5 and -6 shall not exceed 175 ton/day. [District Rule 2201]
13. The combined annual material processed by units -5 and -6 shall not exceed 51,000 tons/year. [District Rule 2201]
14. Permittee shall maintain daily and annual records of the amount of material processed in the blending and packaging room. [District Rule 2201]
15. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
16. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-6-1 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
BLENDING AND PACKAGING OPERATION (EAST WAREHOUSE 5) CONSISTING OF A MUNSON CONTINUOUS MIXER, VIBRATING TABLE, ASSOCIATED AUGERS AND ROTEX SIFTER ALL SERVED BY WILKEY MODEL #144BL144 BAGHOUSE DUST COLLECTOR

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. Visible emissions from the baghouse serving the blending and packaging room shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201]
4. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
5. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201]
6. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201]
7. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
8. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201]
9. The baghouse shall operate at all times with a minimum differential pressure of 2 inches water column and a maximum differential pressure of 7 inches water column. [District Rule 2201]
10. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
11. Emissions from the blending and packaging room shall not exceed 0.052 lb-PM10/ton of material processed. [District Rule 2201]
12. The combined daily material processed by units -5 and -6 shall not exceed 175 ton/day. [District Rule 2201]
13. The combined annual material processed by units -5 and -6 shall not exceed 51,000 tons/year. [District Rule 2201]
14. Permittee shall maintain daily and annual records of the amount of material processed in the blending and packaging room. [District Rule 2201]
15. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
16. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-7-0 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
VEGETABLE ROOM (ACROSS FROM MILLROOM 3) CONSISTING OF A ROTO SIEVE, VIBRATOR TABLE, AND POWDER MILL ALL SERVED BY A 3,000 CFM SAUNCO MODEL 96ABR52 BAGHOUSE DUST COLLECTOR

PERMIT UNIT REQUIREMENTS

1. Visible emissions from the baghouse serving the vegetable room shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201]
2. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
3. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201]
4. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201]
5. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
6. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201]
7. The baghouse shall operate at all times with a minimum differential pressure of 2 inches water column and a maximum differential pressure of 7 inches water column. [District Rule 2201]
8. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
9. Emissions from the vegetable room shall not exceed 0.052 lb-PM10/ton of material processed. [District Rule 2201]
10. Maximum product processing rates shall not exceed 25 ton/day and 5,000 tons/year. [District Rule 2201]
11. Permittee shall maintain daily and annual records of the amount of material processed in the vegetable room. [District Rule 2201]
12. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
13. 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 1070]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-8-1 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
AGGLOMERATION OPERATION WITH ONE AGGLOMERATOR ROOM CONSISTING OF TWO GLATT PRODUCT AGGLOMERATORS AND ONE AGG SIFTER ROOM CONSISTING OF TWO HOPPERS, TWO GYRO WHIP SIFTERS, TWO BUCKET ELEVATORS, TWO FRITZ MILLS, AND ONE DUMPER STATION SERVED BY A SENECA MODEL 35-1M-8 BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. 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]
2. Emissions from the agglomerator room shall not exceed 0.052 lb-PM10/ton of material processed. [District Rule 2201]
3. Emissions from the AGG sifter room shall not exceed 0.052 lb-PM10/ton of material processed. [District Rule 2201]
4. Maximum product processing rates from the agglomerator room shall not exceed 25 ton/day or 5,000 tons/year. [District Rule 2201]
5. Maximum product processing rates from the AGG sifter room shall not exceed 25 ton/day or 5,000 tons/year. [District Rule 2201]
6. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
7. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201]
8. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201]
9. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
10. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201]
11. The baghouse shall operate at all times with a minimum differential pressure of 1 inches water column and a maximum differential pressure of 6 inches water column. [District Rule 2201]
12. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
13. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
14. Permittee shall maintain daily and annual records of the amount of material processed in each of the agglomerator and AGG sifter rooms. [District Rule 2201]
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 1070]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-9-0 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
BULK PRODUCT UNLOADING CONSISTING OF ONE ROLLER TABLE AND ASSOCIATED CONVEYORS ALL SERVED BY A 7,200 CFM SAUNCO MODEL 8-SFLB-81 BAGHOUSE DUST COLLECTOR, AND AN ADDITIONAL BACKUP DUMP STATION

PERMIT UNIT REQUIREMENTS

1. Visible emissions from the baghouse serving the bulk product unloading operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201]
2. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
3. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201]
4. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201]
5. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
6. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201]
7. The baghouse shall operate at all times with a minimum differential pressure of 2 inches water column and a maximum differential pressure of 7 inches water column. [District Rule 2201]
8. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
9. Emissions from the bulk product unloading operation shall not exceed 0.0005 lb-PM10/ton of material processed. [District Rule 2201]
10. Maximum product processing rates shall not exceed 800 ton/day and 100,000 tons/year. [District Rule 2201]
11. Permittee shall maintain daily and annual records of the amount of material processed in the bulk product unloading operation. [District Rule 2201]
12. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
13. 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 1070]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-10-3 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
54 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE A) WITH ONE 54 MMBTU/HR MAXON MODEL SERIES A NATURAL GAS-FIRED BURNER SERVED BY TWO CYCLONES

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 exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
5. The unit shall only be fired on PUC-regulated natural gas. [District Rules 2201 and 4309]
6. This dehydrator shall be operated and maintained in proper operating condition as recommended by the dehydrator's manufacturer or APCO-approved alternative procedures. [District Rule 4309]
7. The combined annual emissions from units -10, -11, -13, -14, and -16 shall not exceed any of the following limits: 23,996 lb-NOx/year, 1,387 lb-SOx/year, 6,758 lb-PM10/year, 33,015 lb-CO/year, and 13,169 lb-VOC/year. [District Rules 2201 and 4102]
8. The combined daily material processed by units -10, -11, and -13 shall not exceed 375 ton/day. [District Rule 2201]
9. The combined annual material processed by units -10, -11, and -13 shall not exceed 59,255 tons/year. [District Rule 2201]
10. PM10 emissions from the handling of dehydrated material not exceed 0.005 lb-PM10/ton material processed. [District Rule 2201]
11. Emissions from the natural gas-fired unit shall not exceed any of the following limits: 5.25 ppmvd NOx @ 19% O2 or 0.06 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.014 lb-PM10/MMBtu, 8.62 ppmvd CO @ 19% O2 or 0.06 lb-CO/MMBtu, or 0.026 lb-VOC/MMBtu. [District Rules 2201 and 4309]
12. A copy of the manufacturer's operation specifications and maintenance instruction manual or APCO-approved alternative procedures shall be maintained on-site during normal business hours. [District Rule 4309]
13. Permittee shall maintain daily operation and maintenance records that demonstrate the dehydrator is operated within the limits of the manufacturer's specification, and maintenance is performed according to the manufacturer's recommendation or APCO-approved alternative procedures. [District Rule 4309]
14. Permittee shall maintain records, which demonstrates the dehydrator is fired exclusively on PUC quality natural gas. [District Rule 4309]
15. Permittee shall maintain daily and annual records of the amount of material processed in the vegetable dehydration line. [District Rule 2201]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

16. Permittee shall maintain annual records of the amount of fuel used in the vegetable dehydration line. [District Rule 2201]
17. Permittee shall maintain records of the combined annual NOx, SOx, PM10, CO, and VOC emissions of units -10, -11,-13, -14, and -16. [District Rule 2201]
18. 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 and 4309]

. San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-11-3 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
54 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE B) WITH ONE 54 MMBTU/HR MAXON MODEL SERIES A NATURAL GAS-FIRED BURNER SERVED BY TWO CYCLONES

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 exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
5. The unit shall only be fired on PUC-regulated natural gas. [District Rules 2201 and 4309]
6. This dehydrator shall be operated and maintained in proper operating condition as recommended by the dehydrator's manufacturer or APCO-approved alternative procedures. [District Rule 4309]
7. The combined annual emissions from units -10, -11, -13, -14, and -16 shall not exceed any of the following limits: 23,996 lb-NOx/year, 1,387 lb-SOx/year, 6,758 lb-PM10/year, 33,015 lb-CO/year, and 13,169 lb-VOC/year. [District Rules 2201 and 4102]
8. The combined daily material processed by units -10, -11, and -13 shall not exceed 375 ton/day. [District Rule 2201]
9. The combined annual material processed by units -10, -11, and -13 shall not exceed 59,255 tons/year. [District Rule 2201]
10. PM10 emissions from the handling of dehydrated material not exceed 0.005 lb-PM10/ton material processed. [District Rule 2201]
11. Emissions from the natural gas-fired unit shall not exceed any of the following limits: 5.25 ppmvd NOx @ 19% O2 or 0.06 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.014 lb-PM10/MMBtu, 8.62 ppmvd CO @ 19% O2 or 0.06 lb-CO/MMBtu, or 0.026 lb-VOC/MMBtu. [District Rules 2201 and 4309]
12. A copy of the manufacturer's operation specifications and maintenance instruction manual or APCO-approved alternative procedures shall be maintained on-site during normal business hours. [District Rule 4309]
13. Permittee shall maintain daily operation and maintenance records that demonstrate the dehydrator is operated within the limits of the manufacturer's specification, and maintenance is performed according to the manufacturer's recommendation or APCO-approved alternative procedures. [District Rule 4309]
14. Permittee shall maintain records, which demonstrates the dehydrator is fired exclusively on PUC quality natural gas. [District Rule 4309]
15. Permittee shall maintain daily and annual records of the amount of material processed in the vegetable dehydration line. [District Rule 2201]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

16. Permittee shall maintain annual records of the amount of fuel used in the vegetable dehydration line. [District Rule 2201]
17. Permittee shall maintain records of the combined annual NOx, SOx, PM10, CO, and VOC emissions of units -10, -11,-13, -14, and -16. [District Rule 2201]
18. 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 and 4309]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-12-0 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
VEGETABLE DEHYDRATION OPERATION (LINE C) WITH STEAM PROVIDED FROM UNIT -14 AND SERVED BY A 12,000 CFM SAUNCO MODEL 10-SIFT-100 BAGHOUSE DUST COLLECTOR WITH PRE-DEHYDRATION EQUIPMENT AND POST-DEHYDRATION EQUIPMENT (ASPIRATORS & NIPPLE SEPARATORS)

PERMIT UNIT REQUIREMENTS

1. Visible emissions from the baghouse serving the vegetable dehydration line shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201]
2. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
3. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201]
4. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201]
5. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
6. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201]
7. The baghouse shall operate at all times with a minimum differential pressure of 2 inches water column and a maximum differential pressure of 7 inches water column. [District Rule 2201]
8. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
9. Emissions from the vegetable dehydration line shall not exceed 0.0005 lb-PM10/ton of material processed. [District Rule 2201]
10. Maximum product processing rates shall not exceed 90 ton/day and 7,000 tons/year. [District Rule 2201]
11. Permittee shall maintain daily and annual records of the amount of material processed in the vegetable dehydration line. [District Rule 2201]
12. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
13. 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 1070]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-13-3 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
69 MMBTU/HR VEGETABLE DEHYDRATION OPERATION (LINE D) WITH TWO 20 MMBTU/HR MAXON MODEL NP1, THREE 8 MMBTU/HR MAXON MODEL NP1, AND ONE 5 MMBTU/HR NATURAL GAS-FIRED BURNERS SERVED BY TWO CYCLONES AND ASSOCIATED ONION SLICER EQUIPMENT

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 exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
5. The unit shall only be fired on PUC-regulated natural gas. [District Rules 2201 and 4309]
6. This dehydrator shall be operated and maintained in proper operating condition as recommended by the dehydrator's manufacturer or APCO-approved alternative procedures. [District Rule 4309]
7. The combined annual emissions from units -10, -11, -13, -14, and -16 shall not exceed any of the following limits: 23,996 lb-NOx/year, 1,387 lb-SOx/year, 6,758 lb-PM10/year, 33,015 lb-CO/year, and 13,169 lb-VOC/year. [District Rules 2201 and 4102]
8. The combined daily material processed by units -10, -11, and -13 shall not exceed 375 ton/day. [District Rule 2201]
9. The combined annual material processed by units -10, -11, and -13 shall not exceed 59,255 tons/year. [District Rule 2201]
10. PM10 emissions from the handling of dehydrated material not exceed 0.005 lb-PM10/ton material processed. [District Rule 2201]
11. Emissions from the natural gas-fired unit shall not exceed any of the following limits: 5.25 ppmvd NOx @ 19% O2 or 0.06 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.014 lb-PM10/MMBtu, 8.62 ppmvd CO @ 19% O2 or 0.06 lb-CO/MMBtu, or 0.026 lb-VOC/MMBtu. [District Rules 2201 and 4309]
12. A copy of the manufacturer's operation specifications and maintenance instruction manual or APCO-approved alternative procedures shall be maintained on-site during normal business hours. [District Rule 4309]
13. Permittee shall maintain daily operation and maintenance records that demonstrate the dehydrator is operated within the limits of the manufacturer's specification, and maintenance is performed according to the manufacturer's recommendation or APCO-approved alternative procedures. [District Rule 4309]
14. Permittee shall maintain records, which demonstrates the dehydrator is fired exclusively on PUC quality natural gas. [District Rule 4309]
15. Permittee shall maintain daily and annual records of the amount of material processed in the vegetable dehydration line. [District Rule 2201]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

16. Permittee shall maintain annual records of the amount of fuel used in the vegetable dehydration line. [District Rule 2201]
17. Permittee shall maintain records of the combined annual NOx, SOx, PM10, CO, and VOC emissions of units -10, -11,-13, -14, and -16. [District Rule 2201]
18. 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 and 4309]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-14-3 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
29.4 MMBTU/HR CLEAVER BROOKS MODEL CBI 700 NATURAL GAS-FIRED BOILER WITH A ERIB GIDEON MODEL ERIB 800 ULTRA LOW NOX BURNER AND O2 TRIM 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-regulated natural gas. [District Rules 2201 and 4320]
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)]
6. The combined annual emissions from units -10, -11, -13, -14, and -16 shall not exceed any of the following limits: 23,996 lb-NOx/year, 1,387 lb-SOx/year, 6,758 lb-PM10/year, 33,015 lb-CO/year, and 13,169 lb-VOC/year. [District Rules 2201 and 4102]
7. Emissions rates from the natural gas-fired unit shall not exceed any of the following limits: 7 ppmv NOx @ 3% O2 or 0.008 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.014 lb-PM10/MMBtu, 81.2 ppmv CO @ 3% O2 or 0.06 lb-CO/MMBtu, or 0.026 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, and 4320]
8. Source testing to measure NOx and CO 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, 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]
9. 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]
10. 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]
11. 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]
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]
13. 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]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

14. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306, and 4320]
15. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306, and 4320]
16. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
17. 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 it has been performed within the last month. [District Rules 2201, 4305, 4306 and 4320]
18. 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 the performing the notification and testing required by this condition. [District Rules 4305, 4306 and 4320]
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, 4306 and 4320]
20. The permittee shall maintain records of: (1) the date and time of NOx, CO, and O2 measurements, (2) the O2 concentration in percent and the measured NOx 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]
21. 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)]
22. Permittee shall maintain records of the combined annual NOx, SOx, PM10, CO, and VOC emissions of units -10, -11,-13, -14, and -16. [District Rule 2201]
23. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, 4306, and 4320]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-16-1 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
1877 HP DEUTZ MODEL TBG620V16 NATURAL GAS-FIRED IC ENGINE EQUIPPED WITH A MIRATECH SCR SYSTEM, POWERING A 1350 KW GENERATOR

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-regulated natural gas. [District Rule 2201]
5. The permittee shall install and operate a nonresettable fuel meter and a nonresettable elapsed operating time meter. In lieu of installing a nonresettable fuel meter, the owner or operator may use a non-resettable elapsed operating time meter in conjunction with the engine manufacturer's maximum rated fuel consumption to determine annual fuel usage. [District Rule 4702]
6. The operation of the IC engine shall not exceed more than 180 days/year. [District Rule 2201]
7. Emissions from this IC engine shall not exceed any of the following limits: 5 ppmvd NOx @ 15% O2 (equivalent to 0.06 g-NOx/hp-hr), 0.011 g-SOx/hp-hr, 0.02 g-PM10/hp-hr, 71 ppmvd CO @ 15% O2 (equivalent to 0.6 g-CO/hp-hr), or 25 ppmvd VOC @ 15% O2 (equivalent to 0.15 g-VOC/hp-hr). [District Rules 2201 and 4702 and 40 CFR 60 Subpart JJJJ]
8. The ammonia (NH3) emissions shall not exceed 10 ppmvd @ 15% O2. [District Rules 2201 and 4102]
9. The combined annual emissions from units -10, -11, -13, -14, and -16 shall not exceed any of the following limits: 23,996 lb-NOx/year, 1,387 lb-SOx/year, 6,758 lb-PM10/year, 33,015 lb-CO/year, and 13,169 lb-VOC/year. [District Rules 2201 and 4102]
10. NOx, CO, VOC, and NH3 emissions shall be measured (source tested) not less than once every 12 months. [District Rules 2201 and 4702]
11. Emissions source testing shall be conducted with the engine operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. [District Rule 4702]
12. 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. VOC emissions shall be reported as methane. VOC, NOx, and CO concentrations shall be reported in ppmv, corrected to 15% oxygen. [District Rule 4702]
13. The following test methods shall be used for testing other than start-up testing: NOx (ppmv) - EPA Method 7E or ARB Method 100, CO (ppmv) - EPA Method 10 or ARB Method 100, VOC (ppmv) - EPA Method 25A or 25B, or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and ammonia - BAAQMD ST-1B. EPA approved alternative test methods as approved by the District may also be used to address the source testing requirements of this permit. [District Rules 1081 and 4702]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

14. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
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 permittee shall monitor and record the stack concentration of NOx, CO, O2, and NH3 at least once every month (in which a source test is not performed). NOx, CO, and O2 concentrations shall be preformed using a portable emission monitor that meets District specifications. NH3 monitoring shall be conducted utilizing District approved gas-detection tubes or a District approved equivalent method. Monitoring shall not be required if the engine is not in operation, i.e. the engine need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the engine unless monitoring has been performed within the last month. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rules 4102 and 4702]
17. If the NOx or CO concentrations corrected to 15% O2, as measured by the portable analyzer, or the NH3 concentrations corrected to 15% O2, as measured by District approved gas-detection tubes, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 8 hours 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 the performing the notification and testing required by this condition. [District Rules 4102 and 4702]
18. 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 Rule 4702]
19. This engine shall be operated and maintained in proper operating condition per the manufacturer's requirements as specified on the Inspection and Monitoring (I&M) plan submitted to the District. [District Rule 4702]
20. The permittee shall maintain records of: (1) the date and time of NOx, CO, O2 and NH3 measurements, (2) the O2 concentration in percent and the measured NOx, CO, and NH3 concentrations corrected to 15% O2, (3) make and model of exhaust gas analyzer, (4) exhaust gas 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 within the acceptable range. [District Rules 4102 and 4702]
21. The permittee shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type and quantity (cubic feet of gas or gallons of liquid) of fuel used, maintenance or modifications performed, monitoring data, compliance source test results, and any other information necessary to demonstrate compliance. [District Rule 4702]
22. Permittee shall maintain annual records of the days the natural gas-fired IC engine is operated. [District Rule 2201]
23. Permittee shall maintain records of the combined annual NOx, SOx, PM10, CO, and VOC emissions of units -10, -11,-13, -14, and -16. [District Rule 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 and 4702]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

25. The permittee shall update the I&M plan for this engine prior to any planned change in operation. The permittee must notify the District no later than seven days after changing the I&M plan and must submit an updated I&M plan to the APCO for approval no later than 14 days after the change. The date and time of the change to the I&M plan shall be recorded in the engine's operating log. For modifications, the revised I&M plan shall be submitted to and approved by the APCO prior to issuance of the Permit to Operate. The permittee may request a change to the I&M plan at any time. [District Rule 4702]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-17-0 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
KNIFE SHARPENING OPERATION CONSISTING OF SIX (6) KNIFE SHARPENING MACHINES ALL SERVED BY A SAUNCO MODEL SFSB 6-25-245 BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. Visible emissions from the baghouse serving the blending and packaging room shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201]
2. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
3. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201]
4. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201]
5. A spare set of bags shall be maintained on the premises at all times. [District Rule 2201]
6. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201]
7. The baghouse shall operate at all times with a minimum differential pressure of 1 inches water column and a maximum differential pressure of 8 inches water column. [District Rule 2201]
8. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
9. Emissions from the dust collector shall not exceed 0.000091 lb-PM10/knife sharpened. [District Rule 2201]
10. The permittee shall not sharpen more than 576 knives in any one day. [District Rule 2201]
11. Permittee shall maintain daily records of the number of knives sharpened through this operation. [District Rule 2201]
12. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
13. 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 1070]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-7748-18-0 **EXPIRATION DATE:** 07/31/2014

EQUIPMENT DESCRIPTION:
FLAKE BLENDING OPERATION CONSISTING OF A BICONIC BLENDER WITH DRUM DUMPER AND TAKE-AWAY CONVEYOR ALL SERVED BY A WILKEY MODEL #144BL144 BAGHOUSE DUST COLLECTOR SHARED WITH PERMIT C-7748-6

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. Visible emissions from the baghouse serving the blending operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201]
4. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
5. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201]
6. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201]
7. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
8. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201]
9. The baghouse shall operate at all times with a minimum differential pressure of 2 inches water column and a maximum differential pressure of 7 inches water column. [District Rule 2201]
10. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
11. Emissions from the blending and packaging room shall not exceed 0.052 lb-PM10/ton of material processed. [District Rule 2201]
12. The daily material processed shall not exceed 35 ton/day. [District Rule 2201]
13. Permittee shall maintain daily records of the amount of material processed in the blending operation. [District Rule 2201]
14. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
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 1070]

Attachment D

DISTRICT RULE 4702 STRINGENCY ANALYSIS

Comparison of the Non-SIP version (amended November 14, 2013) of District Rule 4702 (Internal Combustion Engines) with the SIP approved version (amended January 18, 2007) of District Rule 4702 (Internal Combustion Engines)			
Section	**SIP Version of Rule 4702 (Amended January 18, 2007)**	**Non-SIP Version of Rule 4702 (Amended November 14, 2013)**	**Conclusion**
1.0 Purpose	1.0 The purpose of this rule is to limit the emissions of nitrogen oxides (NOx), carbon monoxide (CO), and volatile organic compounds (VOC) from internal combustion engines.	1.0 The purpose of this rule is to limit the emissions of nitrogen oxides (NOx), carbon monoxide (CO), volatile organic compounds (VOC), and sulfur oxides (SOx) from internal combustion engines.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**
2.0 Applicability	2.0 This rule applies to any internal combustion engine with a rated brake horsepower greater than 50 horsepower.	2.0 This rule applies to any internal combustion engine rated at 25 brake horsepower or greater.	**The SIP version does not apply to engines rated between 25 and 50 bhp. Therefore, the Non-SIP Version of the rule is more stringent.**
4.0 Exemptions	4.1 The requirements of this rule shall not apply to the following engines: 4.1.1 An engine used to propel implements of husbandry, as that term is defined in Section 36000 of the California Vehicle Code, as that section existed on January 1, 2003. 4.1.2 An engine used exclusively to power a wind machine. 4.1.3 A de-rated spark-ignited engine not used in agricultural operations, provided the de-rating occurred before June 1, 2004. 4.1.4 A de-rated spark-ignited engine used in agricultural operations or a de-rated compression-ignited engine, provided the de-rating occurred before June 1, 2005. 4.1.5 An engine used exclusively to power Mobile Agricultural Equipment. 4.2 Except for the requirements of Section 5.7 and Section 6.2.3, the requirements of this rule shall not apply to: 4.2.1 An emergency standby engine as defined in Section 3.0 of this rule, and provided that it is operated with a nonresettable elapsed operating time meter. In lieu of a nonresettable time meter, the owner of an emergency engine may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO. The owner of the engine shall properly maintain and operate the time meter or alternative device in accordance with the manufacturer's instructions. 4.2.2 An internal combustion engine that is operated no more than 200 hours per	4.1 The requirements of this rule shall not apply to the following engines: 4.1.1 An engine used to propel implements of husbandry, as that term is defined in Section 36000 of the California Vehicle Code, as that section existed on January 1, 2003. 4.1.2 An engine used exclusively to power a wind machine. 4.1.3 A de-rated spark-ignited engine not used in agricultural operations, provided the de-rating occurred before June 1, 2004. 4.1.4 A de-rated spark-ignited engine used in agricultural operations or a de-rated compression-ignited engine, provided the de-rating occurred before June 1, 2005. 4.1.5 An engine used exclusively to power Mobile Agricultural Equipment. 4.1.6 An internal combustion engine registered as a portable emissions unit under the Statewide Portable Equipment Registration Program pursuant to California Code of Regulations Title 13, Division 3, Chapter 9, Article 5, Sections 2450-2465. 4.1.7 An internal combustion engine registered as a portable emissions unit under Rule 2280 (Portable Equipment Registration). 4.2 Except for the requirements of Sections 5.9 and 6.2.3, the requirements of this rule shall not apply to an emergency standby engine or a low-use engine, provided that the engine is operated with an operating nonresettable elapsed time meter. 4.2.1 In lieu of operating a nonresettable elapsed time meter, the operator may	**The non-SIP version of this rule includes several operations that are not required to meet the requirements of this rule. These operations were added to clarify what operations are subject to this rule. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	calendar year as determined by an operational nonresettable elapsed operating time meter and provided the engine is not used to perform any of the functions specified in Section 4.2.2.1 through Section 4.2.2.3 below. In lieu of 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. The owner of the engine shall properly maintain and operate the time meter or alternative device in accordance with the manufacturer's instructions. 4.2.2.1 To generate electrical power that is either fed into the electrical utility power grid or used to reduce electrical power purchased by a stationary source, 4.2.2.2 To generate mechanical power that is used to reduce electrical power purchased by a stationary source, or 4.2.2.3 In a distributed generation application. 4.3 Except for the administrative requirements of Section 6.2.3, the requirements of this rule shall not apply to: 4.3.1 An internal combustion engine that meets the following conditions: 4.3.1.1 The engine is operated exclusively to preserve or protect property, human life, or public health during a disaster or state of emergency, such as a fire or flood, and 4.3.1.2 Except for operations associated with Section 4.3.1.1, the engine is limited to operate no more than 100 hours per calendar year as determined by an operational nonresettable elapsed operating time meter, for periodic maintenance, periodic readiness testing, and readiness testing during and after repair work of the engine, and 4.3.1.3 The engine is operated with 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. The owner of the engine shall properly maintain and operate the time meter or alternative device in accordance with the manufacturer's instructions. 4.3.2 An internal combustion engine registered as a portable emissions unit under Rule 2280 (Portable Equipment	use an alternative device, method, or technique, in determining operating time, provided that the alternative is approved by the APCO and EPA and is allowed by the Permit-to-Operate or Permit-Exempt Equipment Registration. The operator must demonstrate that the alternative device, method, or technique is equivalent to using a nonresettable elapsed time meter. 4.2.2 The operator shall properly maintain and operate the nonresettable elapsed time meter or alternative device in accordance with the manufacturer's instructions. 4.3 Except for the administrative requirements of Section 6.2.3, the requirements of this rule shall not apply to the following: 4.3.1 An internal combustion engine that meets the following conditions: 4.3.1.1 The engine is operated exclusively to preserve or protect property, human life, or public health during a disaster or state of emergency, such as a fire or flood; and 4.3.1.2 Except for operations associated with Section 4.3.1.1, the engine is limited to operate no more than 100 hours per calendar year as determined by an operational nonresettable elapsed time meter, for periodic maintenance, periodic readiness testing, and readiness testing during and after repair work of the engine; and 4.3.1.3 The engine is operated with an operational nonresettable elapsed time meter. In lieu of installing a nonresettable elapsed time meter, the operator 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 EPA. The operator of the engine shall properly maintain and operate the nonresettable elapsed time meter or alternative device in accordance with the manufacturer's instructions. 4.3.2 Military Tactical Equipment and engines used to retract military aircraft arresting gear cables. 4.4 For existing facilities, a replacement unit installed for the sole purpose of complying with the requirements of this rule shall be considered to be an emission control technique and shall be exempt from the Best Available Control Technology (BACT) and offsets requirements of District Rule 2201 (New and Modified Stationary Source Review Rule) provided that all other requirements of Rule 2201 are met. 4.5 Except for the requirements of Section 5.1,	

	Registration) or the Statewide Portable Equipment Registration Program pursuant to Sections 2450-2465, Article 5, Title 13, California Code of Regulations. 4.3.3 Military Tactical Equipment and engines used to retract military aircraft arresting gear cables. 4.4. A replacement engine installed for the sole purpose of complying with the requirements of this rule shall be exempt from the Best Available Control Technology (BACT) and Offsets requirements of District Rule 2201 (New and Modified Stationary Source Review Rule) provided that all of the following conditions are met: 4.4.1 The replacement engine is of equal or lesser horsepower rating of the engine being replaced, 4.4.2 The replacement engine is subject to the same operational parameters (e.g. hours of operation, fuel use limitations, etc.) as the engine being replaced, 4.4.3 The replacement engine performs the same function as the engine being replaced, and 4.4.4 The emissions of the replacement engine are no greater than the emissions of the engine being replaced.	the requirements of this rule shall not apply to stationary engines rated at least 25 Brake Horsepower, up to, and including 50 Brake Horsepower.	
5.0 Requirements	**Note:** Secton 5.0 requirements refer to Tables 1 through 4, which list the emission limits/standards for various categories of IC engines subject to this rule. These Tables are included at the end of this Stringency Comparison for each version of the rule.		
	N/A	5.1 Stationary Engines Rated at Least 25 Brake Horsepower, Up To, and Including 50 Brake Horsepower and Used in Non-Agricultural Operations (Non-AO) 5.1.1 On and after July 1, 2012, no person shall sell or offer for sale any non-AO spark-ignited engine or any non-AO compression-ignited engine unless the engine meets the applicable requirements and emission limits specified in 40 Code of Federal Regulation (CFR) 60 Subpart IIII (Standards of Performance for Stationary Compression Ignition Internal Combustion Engines) and 40 CFR 60 Subpart JJJJ (Standards of Performance for Stationary Spark Ignition Internal Combustion Engines) for the year in which the ownership of the engine changes. 5.1.2 By January 1, 2013, the operator shall submit a one-time report that includes the number of engines at the stationary source, and the following information for each engine: 5.1.2.1 Location of each engine, 5.1.2.2 Engine manufacturer, 5.1.2.3 Model designation and engine	**The SIP version does not apply to engines rated between 25 and 50 bhp. Therefore, the Non-SIP Version of the rule is more stringent.**

		serial number, 5.1.2.4 Rated brake horsepower, 5.1.2.5 Type of fuel and type of ignition, 5.1.2.6 Combustion type: rich-burn, lean-burn, or compression ignition, 5.1.2.7 Purpose, and intended use, of the engine, 5.1.2.8 Typical daily operating schedule, and 5.1.2.9 Fuel consumption (cubic feet for gas or gallons for liquid fuel) for the previous one-year period.	
	5.1 Engine Emission Limits/Standards 5.1.1 Spark-Ignited Internal Combustion Engine Emission Limits/Standards - The owner of a spark-ignited internal combustion engine shall not operate it in such a manner that results in emissions exceeding the limits in Table 1 below for the appropriate engine type according to the compliance schedules listed in Section 7.0 or according to the compliance dates specified in Table 1 below. A spark-ignited engine shall comply with the applicable emission limits pursuant to Section 5.1 or Section 8.0.	5.2 Engines Rated at Greater than 50 Brake Horsepower (>50 bhp) 5.2.1 Spark Ignited Engines Used in non-AO - Table 1 Emission Limits/Standards The operator of a spark-ignited internal combustion engine rated at >50 bhp that is used exclusively in non-AO shall not operate it in such a manner that results in emissions exceeding the limits in Table 1 for the appropriate engine type until such time that the engine has demonstrated compliance with Table 2 emission limits pursuant to the compliance deadlines in Section 7.5. In lieu of complying with Table 1 emission limits, the operator of a spark-ignited engine shall comply with the applicable emission limits pursuant to Section 8.0. 5.2.2 Spark-Ignited Engines Used in non-AO – Table 2 Emission Limits/Standards On and after the compliance schedule specified in Section 7.5, the operator of a spark-ignited engine > 50 bhp that is used in non-AO shall comply with all the applicable requirements of the rule and one of the following, on an engine-by-engine basis: 5.2.2.1 On and after the compliance schedule specified in Section 7.5, the operator of a spark-ignited engine that is used exclusively in non-AO shall comply with Sections 5.2.2.1.1 through 5.2.2.1.3 on an engine-by-engine basis: 5.2.2.1.1 NOx, CO, and VOC emission limits pursuant to Table 2; 5.2.2.1.2 SOx control requirements of Section 5.7, pursuant to the deadlines specified in Section 7.5; and 5.2.2.1.3 Monitoring requirements of Section 5.10, pursuant to the deadlines specified in Section 7.5. 5.2.2.2 In lieu of complying with the NOx emission limit requirement of Section 5.2.2.1.1, an operator may pay an annual fee to the District, as specified in Section 5.6, pursuant to Section 7.6.	**The requirements of Table 1 of both versions of the rule are identical. Table 2 from the non-SIP version found at the end of this document has emissions requirements that are more stringent than the requirements of Table 1 in both versions of the Rule. The standards of the non-SIP version are at least as stringent as the SIP version. Therefore, the non-SIP version of the rule is more stringent than the SIP version of the rule.**

		5.2.2.2.1 Engines in the fee payment program shall have actual emissions not greater than the applicable limits in Table 1 during the entire time the engine is part of the fee payment program. 5.2.2.2.2 Compliance with Section 5.7 and 5.10, pursuant to the deadlines specified in Section 7.5, is also required as part of the fee payment option. 5.2.2.3 In lieu of complying with the NOx, CO, and VOC limits of Table 2 on an engine-by-engine basis, an operator may elect to implement an alternative emission control plan pursuant to Section 8.0. An operator electing this option shall not be eligible to participate in the fee payment option outlined in Section 5.2.2.2 and Section 5.6. 5.2.3 Spark-Ignited Engines Used Exclusively in Agricultural Operations (AO) 5.2.3.1 The operator of a spark-ignited internal combustion engine rated at >50 bhp that is used exclusively in AO shall not operate it in such a manner that results in emissions exceeding the limits in Table 3 for the appropriate engine type on an engine-by-engine basis. 5.2.3.2 In lieu of complying with the NOx, CO, and VOC limits of Table 3 on an engine-by-engine basis, an operator may elect to implement an alternative emission control plan pursuant to Section 8.0. 5.2.3.3 An operator of an AO spark-ignited engine that is subject to the applicable requirements of Table 3 shall not replace such engine with an engine that emits more emissions of NOx, VOC, and CO, on a ppmv basis, (corrected to 15% oxygen on a dry basis) than the engine being replaced.	

	5.1.2 Compression-Ignited Internal Combustion Engine Emission Limits/Standards and Compliance Schedules – The owner of a compression-ignited internal combustion engine shall repower, replace or control the engine to comply with the applicable limits/standards and compliance dates in Table 2 below. The annual hours of operation shall be determined on a calendar year basis. A compression-ignited engine shall comply with the applicable emission limits/standards pursuant to Section 5.1.2 or Section 8.0. 5.1.3 On and after June 1, 2006, the owner of an AO rich-burn spark-ignited engine, AO lean-burn spark-ignited engine, or AO compression-ignited engine that is subject to the requirements of Section 5.1 shall not replace such engine with a rich-burn spark-ignited, lean-burn spark-ignited, or compression-ignited engine, respectively, that emits more emissions of NOx, VOC, and CO, on a ppmv basis, (corrected to 15% oxygen on a dry basis) than the engine being replaced. 5.1.4 The owner of a non-certified compression-ignited engine, in place on June 1, 2006, shall comply with the Emission Limit/Standard and Compliance Date in Table 2 based on the non-certified compression-ignited engine that was in place on June 1, 2006, unless the owner meets one of the following conditions: 5.1.4.1Replaces the non-certified compression-ignited engine with a non-modified Tier 3 or a non-modified Tier 4 engine after June 1, 2006, 5.1.4.2 Controls the non-certified compression-ignited engine after June 1, 2006, to emit emissions less than, or equal to, 80 ppm NOx, 2,000 ppm CO, and 750 ppm VOC, (corrected to 15% oxygen on a dry basis), or 5.1.4.3 Replaces the non-certified compression-ignited engine after June 1, 2006, with an engine or other source with emissions less than, or equal to, 80 ppm NOx, 2,000 ppm CO, and 750 ppm VOC (corrected to 15% oxygen on a dry basis).	5.2.4 Certified Compression-Ignited Engines (AO and non-AO) The operator of a certified compression-ignited engine rated >50 bhp shall comply with the following requirements: 5.2.4.1 Repower, replace, or control the engine's emissions to comply with the applicable limits/standards in Table 4 on an engine-by-engine basis by the compliance dates as specified in Table 4. 5.2.4.2 The annual hours of operation shall be determined on a calendar year basis. 5.2.4.3 In lieu of complying with the NOx, CO, and VOC limits of Table 4 on an engine-by-engine basis, an operator may elect to implement an alternative emission control plan pursuant to Section 8.0. 5.2.4.4 An operator of an AO compression-ignited engine that is subject to the applicable requirements of Table 4 shall not replace such engine with an engine that emits more emissions of NOx, VOC, and CO, on a ppmv basis, (corrected to 15% oxygen on a dry basis) than the engine being replaced. 5.2.5 Non-Certified Compression-Ignited Engines (AO and Non-AO) The operator of a non-certified compression-ignited engine, in place on or before June 1, 2006, shall comply with the Emission Limit/Standard and Compliance Date in Table 4 based on the non-certified compression ignited engine that was in place on June 1, 2006, unless the operator meets one of the following conditions: 5.2.5.1 Replace the non-certified compression-ignited engine with a nonmodified Tier 3 or a non-modified Tier 4 engine after June 1, 2006; 5.2.5.2 Control the non-certified compression-ignited engine after June 1, 2006, to emit emissions less than, or equal to, 80 ppmv NOx, 2,000 ppmv CO, and 750 ppmv VOC (corrected to 15% oxygen on a dry basis); or 5.2.5.3 Replace the non-certified compression-ignited engine after June 1, 2006, with an engine or other source with emissions less than, or equal to, 80 ppmv NOx, 2,000 ppmv CO, and 750 ppmv VOC (corrected to 15% oxygen on a dry basis).	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	5.2 All continuous emission monitoring systems (CEMS) emissions measurements shall be averaged over a period of 15 consecutive minutes. Any 15-consecutive-minute block average CEMS measurement exceeding the applicable emission limits of this rule shall constitute a violation of this rule. 5.3 Percent emission reductions, if used to comply with the NOx emission limits of Section 5.1, shall be calculated as follows: 5.3.1 For engines with external control devices that are not operated in combination with a second emission control device or technique, percent reduction shall be calculated using emission samples taken at the inlet and outlet of the control device. 5.3.2 For engines without external control devices and for engines with an external control device in combination with a second emission control device or technique, percent reduction shall be based on source test results for the uncontrolled engine and the engine after the control device or technique has been employed. In this situation, the engine's typical operating parameters, loading, and duty cycle shall be documented and repeated at each successive post-control source test to ensure that the engine is meeting the percent reduction limit. When representative source sampling prior to the application of an emissions control technology or technique is not available, the APCO may approve the use of a manufacturer's uncontrolled emissions information or source sampling from a similar, uncontrolled engine. 5.4 The owner of an internal combustion engine that uses percent emission reduction to comply with the NOx emission limits of Section 5.1 shall provide an accessible inlet and outlet on the external control device or the engine as appropriate for taking emission samples and as approved by the APCO.	5.3 All continuous emission monitoring systems (CEMS) emissions measurements shall be averaged over a period of 15 consecutive minutes. Any 15-consecutiveminute block average CEMS measurement exceeding the applicable emission limits of this rule shall constitute a violation of this rule. 5.4 Percent emission reductions, if used to comply with the NOx emission limits of Section 5.2, shall be calculated as follows: 5.4.1 For engines with external control devices that are not operated in combination with a second emission control device or technique, percent reduction shall be calculated using emission samples taken at the inlet and outlet of the control device. 5.4.2 For engines without external control devices and for engines with an external control device in combination with a second emission control device or technique, percent reduction shall be based on source test results for the uncontrolled engine and the engine after the control device or technique has been employed. In this situation, the engine's typical operating parameters, loading, and duty cycle shall be documented and repeated at each successive post-control source test to ensure that the engine is meeting the percent reduction limit. When representative source sampling prior to the application of an emissions control technology or technique is not available, the APCO may approve the use of a manufacturer's uncontrolled emissions information or source sampling from a similar, uncontrolled engine. 5.5 The operator of an internal combustion engine that uses percent emission reduction to comply with the NOx emission limits of Section 5.2 shall provide an accessible inlet and outlet on the external control device or the engine as appropriate for taking emission samples and as approved by the APCO.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**
	N/A	5.6 Payment of an Annual Fee In Lieu of Complying with a NOx Emission Limit The operator of a non-AO spark-ignited engine who elects to comply under Section 5.2.2.2 shall comply with the requirements of Sections 5.6 by the schedule specified in Section 7.6 and all other applicable provisions of this rule. 5.6.1 An operator shall pay a total annual fee to the District based on the total NO_x emissions from those engines that will be subject to Section 5.2.2.2. The annual fee shall be calculated in the following manner: 5.6.1.1 The operator shall calculate the total emissions for all engines operating at a stationary source that will comply with Section 5.2.2.2. The total NOx emissions	**The annual fee option applies to units subject to Table 2.**

		shall be calculated in accordance with Section 5.6.1.3. 5.6.1.2 The total annual fee shall be calculated in accordance with Section 5.6.1.4. These calculations include only the units that have been identified to comply with Section 5.2.2.2. 5.6.1.3 Total Emissions (TE) Calculation E (engine) = A x B x C x D x 2.147 x 10-16 Where: E (engine) = Annual NOx emissions for each unit, in tons/year. A = NOx emission limit for the Permit-to-Operate, in ppmvd corrected to 15% oxygen. B = Annual fuel use (ft3/year) C = Fuel higher heating value (Btu/ft3) – for natural gas use 1,000 Btu/ft3 D = Fuel F-Factor at 60oF (Dscf/MMBtu) – for natural gas use 8,579 Dscf/MMBtu TE = ΣE(engine) Where: ΣE(engine) = Sum of all NOx emissions from all units in the annual fee program, in tons per year. 5.6.1.4 Total Annual Fee Calculation Total Annual Fee = (TE x FR) + Administrative Fee Where: TE = Total Emissions, in tons per year, as calculated in Section 5.6.1.3. FR (Fee Rate) = the cost of NOx reductions, in dollars per ton, as established by District Rule 9510. Under no circumstances shall the cost per ton of NO_X reductions exceed the cost effectiveness threshold for the Carl Moyer Cost Effectiveness, as established by the applicable state law. Administrative Fee = 4% x (TE x FR)	

	5.5 California Reformulated Gasoline shall be used as the fuel for all gasoline-fired, spark-ignited internal combustion engines.	5.7 Sulfur Oxides (SOx) Emission Control Requirements On and after the compliance schedule specified in Section 7.5, operators of non-AO spark-ignited engines and non-AO compression-ignited engines shall comply with one of the following requirements: 5.7.1 Operate the engine exclusively on PUC-quality natural gas, commercial propane, butane, or liquefied petroleum gas, or a combination of such gases; or 5.7.2 Limit gaseous fuel sulfur content to no more than five (5) grains of total sulfur per one hundred (100) standard cubic feet; or 5.7.3 Use California Reformulated Gasoline for gasoline-fired spark-ignited engines; or 5.7.4 Use California Reformulated Diesel for compression-ignited engines; or 5.7.5 Operate the engine on liquid fuel that contains no more than 15 ppm sulfur, as determined by the test method specified in Section 6.4.6; or 5.7.6 Install and properly operate an emission control system that reduces SO2 emissions by at least 95% by weight as determined by the test method specified in Section 6.4.6.	**The non-SIP version of this rule contains SOx emissions control requirements not found in the SIP approved version. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**
	5.6 Monitoring Requirements A The owner of a non-AO spark-ignited engine subject to the requirements of Section 5.1 or any engine subject to the requirements of Section 8.0 shall comply with the following requirements: 5.6.1 For each engine with a rated brake horsepower of 1,000 hp or greater and which is allowed by Permit-to-Operate or Permit-Exempt Equipment Registration condition to operate more than 2,000 hours per calendar year, or with an external emission control device, either install, operate, and maintain continuous monitoring equipment for NOx, CO, and oxygen, as identified in Rule 1080 (Stack Monitoring), or install, operate, and maintain APCO-approved alternate monitoring. The monitoring system may be a continuous emissions monitoring system (CEMS), a parametric emissions monitoring system (PEMS), or an alternative monitoring system approved by the APCO. APCO-approved alternate monitoring shall consist of one or more of the following: 5.6.1.1 Periodic NOx and CO emission concentrations, 5.6.1.2 Engine exhaust oxygen concentration, 5.6.1.3 Air-to-fuel ratio, 5.6.1.4 Flow rate of reducing agents added to engine exhaust, 5.6.1.5 Catalyst inlet and exhaust temperature,	5.8 Monitoring Requirements: Non-AO Spark-Ignited Engines and Engines in an AECP (Section 8.0) The operator of a non-AO spark-ignited engine subject to the requirements of Section 5.2 or any engine subject to the requirements of Section 8.0 shall comply with the following requirements: 5.8.1 For each engine with a rated brake horsepower of 1,000 bhp or greater and which is allowed by Permit-to-Operate or Permit-Exempt Equipment Registration condition to operate more than 2,000 hours per calendar year, or with an external emission control device, either install, operate, and maintain continuous monitoring equipment for NOx, CO, and oxygen, as identified in Rule 1080 (Stack Monitoring), or install, operate, and maintain APCO approved alternate monitoring. The monitoring system may be a continuous emissions monitoring system (CEMS), a parametric emissions monitoring system (PEMS), or an alternative monitoring system approved by the APCO. APCO-approved alternate monitoring shall consist of one or more of the following: 5.8.1.1 Periodic NOx and CO emission concentrations, 5.8.1.2 Engine exhaust oxygen concentration, 5.8.1.3 Air-to-fuel ratio, 5.8.1.4 Flow rate of reducing agents added to engine exhaust,	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	5.6.1.6 Catalyst inlet and exhaust oxygen concentration, 5.6.1.7 Other operational characteristics. 5.6.2 For each engine not subject to Section 5.6.1, monitor operational characteristics recommended by the engine manufacturer or emission control system supplier, and approved by the APCO. 5.6.3 For each engine with an alternative monitoring system, submit to, and receive approval from the APCO, adequate verification of the alternative monitoring system's acceptability. This would include data demonstrating the system's accuracy under typical operating conditions for the specific application and any other information or data deemed necessary in assessing the acceptability of the alternative monitoring system. 5.6.4 For each engine with an APCO approved CEMS, operate the CEMS in compliance with the requirements of 40 Code of Federal Regulations (CFR) Part 51, 40 CFR Parts 60.7 and 60.13 (except subsection h), 40 CFR Appendix B (Performance Specifications), 40 CFR Appendix F (Quality Assurance Procedures), and applicable provisions of Rule 1080 (Stack Monitoring). 5.6.5 For each engine, have the data gathering and retrieval capabilities of an installed monitoring system described in Section 5.6 approved by the APCO. 5.6.6 For each engine, 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 Permit-Exempt 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. 5.6.7 For each engine, implement the Inspection and Monitoring (I&M) plan, if any, submitted to and approved by the APCO pursuant to Section 6.5. 5.6.8 For each engine, collect data through the I&M plan in a form approved by the APCO. 5.6.9 For each engine use a portable NOx analyzer to take NOx emission readings to verify compliance with the emission requirements of Section 5.1 or Section 8.0 during each calendar quarter in which a source test is not performed and the engine is operated. All emission readings shall be taken with the engine operating either at conditions representative of normal operations or conditions specified in the Permit-to-Operate or Permit-Exempt	5.8.1.5 Catalyst inlet and exhaust temperature, 5.8.1.6 Catalyst inlet and exhaust oxygen concentration, or 5.8.1.7 Other operational characteristics. 5.8.2 For each engine not subject to Section 5.8.1, monitor operational characteristics recommended by the engine manufacturer or emission control system supplier, and approved by the APCO. 5.8.3 For each engine with an alternative monitoring system, submit to, and receive approval from the APCO, adequate verification of the alternative monitoring system's acceptability. This would include data demonstrating the system's accuracy under typical operating conditions for the specific application and any other information or data deemed necessary in assessing the acceptability of the alternative monitoring system. 5.8.4 For each engine with an APCO approved CEMS, operate the CEMS in compliance with the requirements of 40 Code of Federal Regulations (CFR) Part 51, 40 CFR Parts 60.7 and 60.13 (except subsection h), 40 CFR Appendix B (Performance Specifications), 40 CFR Appendix F (Quality Assurance Procedures), and applicable provisions of Rule 1080 (Stack Monitoring). 5.8.5 For each engine, have the data gathering and retrieval capabilities of an installed monitoring system described in Section 5.8 approved by the APCO. 5.8.6 For each engine, install and operate a nonresettable elapsed time meter. 5.8.6.1 In lieu of installing a nonresettable elapsed time meter, the operator may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO and EPA and is allowed by a Permit-to- Operate or Permit-Exempt Equipment Registration condition. 5.8.6.2 The operator shall properly maintain and operate the nonresettable elapsed time meter or alternative device in accordance with the manufacturer's instructions. 5.8.7 For each engine, implement the Inspection and Monitoring (I&M) plan, if any, submitted to and approved by the APCO pursuant to Section 6.5. 5.8.8 For each engine, collect data through the I&M plan in a form approved by the APCO. 5.8.9 For each engine, use a portable NOx analyzer to take NOx emission readings to verify compliance with the emission requirements of Section 5.2 or Section 8.0 during each calendar quarter in which a	

	Equipment Registration. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. All NOx emissions readings shall be reported to the APCO in a manner approved by the APCO. NOx emission readings taken pursuant to this section shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings evenly spaced out over the 15 consecutive-minute period. 5.6.10 The APCO shall not approve an alternative 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 operator shall source test over the proposed range of surrogate operating parameters to demonstrate compliance with the applicable emission standards. 5.6.11 For each engine subject to Section 8.0, install and operate a nonresettable fuel meter. In lieu of installing a nonresettable fuel meter, the owner may use an alternative device, method, or technique in determining daily fuel consumption provided that the alternative is approved by the APCO. The owner shall properly maintain, operate, and calibrate the required fuel meter in accordance with the manufacturer's instructions.	source test is not performed and the engine is operated. 5.8.9.1 If an engine is operated less than 120 calendar days per calendar year, take one NOx emission reading during the calendar year in which a source test is not performed and the engine is operated. 5.8.9.2 All emission readings shall be taken with the engine operating either at conditions representative of normal operations or conditions specified in the Permit-to-Operate or Permit-Exempt Equipment Registration. 5.8.9.3 The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. 5.8.9.4 All NOx emissions readings shall be reported to the APCO in a manner approved by the APCO. 5.8.9.5 NOx emission readings taken pursuant to this section 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 consecutiveminute period. 5.8.10 The APCO shall not approve an alternative 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 operator shall source test over the proposed range of surrogate operating parameters to demonstrate compliance with the applicable emission standards. 5.8.11 For each engine subject to Section 8.0, install and operate a nonresettable fuel meter. 5.8.11.1 In lieu of installing a nonresettable fuel meter, the operator may use an alternative device, method, or technique in determining daily fuel consumption provided that the alternative is approved by the APCO and EPA. 5.8.11.2 The operator shall properly maintain, operate, and calibrate the required fuel meter in accordance with the manufacturer's instructions.	
	5.7 Monitoring Requirements B 5.7.1 The owner of any of the following engines shall comply with the requirements specified	5.9 Monitoring Requirements: All Other Engines 5.9.1 The operator of any of the following engines shall comply with the requirements	**There is no change in the requirements of this section. Therefore, the non-SIP version of the**

	in Section 5.7.2 through Section 5.7.5 below: 5.7.1.1 An AO spark-ignited engine subject to the requirements of Section 5.1, 5.7.1.2 A compression-ignited engine subject to the requirements of Section 5.1, or 5.7.1.3 An engine subject to Section 4.2. 5.7.2 Properly operate and maintain each engine as recommended by the engine manufacturer or emission control system supplier. 5.7.3 Monitor the operational characteristics of each engine as recommended by the engine manufacturer or emission control system supplier. 5.7.4 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 Permit-Exempt 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. 5.7.5 The owner of an AO spark-ignited engine that has been retro-fitted with a NOx exhaust control that has not been certified in accordance with Section 9.0 Exhaust Control System Certification Requirements, or a compression-ignited engine that has been retro-fitted with a NOx exhaust control shall comply with the following: 5.7.5.1 Use a portable NOx analyzer to take NOx emission readings to demonstrate compliance with the emission requirements of Section 5.1. 5.7.5.2 The owner of a compression-ignited engine that is subject to the limits/standards of Section 5.1.2 Table 2 Category 1.d shall use a portable NOx analyzer to take NOx emission readings at least once every six months that the engine is operated. 5.7.5.3 The owner of any other engine that has been retro-fitted with a NOx exhaust control shall use a portable NOx analyzer to take NOx emission readings at least once every 24 months that the engine is operated. 5.7.5.4 All emission readings shall be taken with the engine operating either at conditions representative of normal operations or conditions specified in the Permit-to-Operate or Permit-Exempt Equipment Registration.	specified in Section 5.9.2 through Section 5.9.5 below: 5.9.1.1 An AO spark-ignited engine subject to the requirements of Section 5.2; 5.9.1.2 A compression-ignited engine subject to the requirements of Section 5.2; or 5.9.1.3 An engine subject to Section 4.2. 5.9.2 Properly operate and maintain each engine as recommended by the engine manufacturer or emission control system supplier. 5.9.3 Monitor the operational characteristics of each engine as recommended by the engine manufacturer or emission control system supplier. 5.9.4 Install and operate a nonresettable elapsed time meter. 5.9.4.1 In lieu of installing a nonresettable elapsed time meter, the operator may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO and EPA and is allowed by a Permit-to- Operate or Permit-Exempt Equipment Registration condition. 5.9.4.2 The operator shall properly maintain and operate the nonresettable elapsed time meter or alternative device in accordance with the manufacturer's instructions. 5.9.5 The operator of an AO spark-ignited engine that has been retro-fitted with a NOx exhaust control that has not been certified in accordance with Section 9.0 Exhaust Control System Certification Requirements, or a compression ignited engine that has been retro-fitted with a NOx exhaust control shall comply with the following: 5.9.5.1 Use a portable NOx analyzer to take NOx emission readings to demonstrate compliance with the emission requirements of Section 5.2. 5.9.5.2 The operator of a compression-ignited engine that is subject to the limits/standards of Section 5.2 Table 4 Category 1.d shall use a portable NOx analyzer to take NOx emission readings at least once every six (6) months that the engine is operated. 5.9.5.3 The operator of any other engine that has been retro-fitted with a NOx exhaust control shall use a portable NOx analyzer to take NOx emission readings at least once every 24 months that the engine is operated. 5.9.5.4 All emission readings shall be taken with the engine operating either at	**rule is as stringent as the SIP version of the rule.**

	5.7.5.5 The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. 5.7.5.6 All NOx emissions readings shall be reported to the APCO in a manner approved by the APCO. 5.7.5.7 NOx emission readings taken pursuant to this section 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.	conditions representative of normal operations or conditions specified in the Permit-to-Operate or Permit-Exempt Equipment Registration. 5.9.5.5 The portable NOx analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. 5.9.5.6 All NOx emissions readings shall be reported to the APCO in a manner approved by the APCO. 5.9.5.7 NOx emission readings taken pursuant to this section shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings evenly spaced out over the 15 consecutive minute period.	
		5.10 SOx Emissions Monitoring Requirements On and after the compliance schedule specified in Section 7.5, an operator of a non-AO engine shall comply with the following requirements: 5.10.1 An operator of an engine complying with Sections 5.7.2 or 5.7.5 shall perform an annual sulfur fuel analysis in accordance with the test methods in Section 6.4. The operator shall keep the records of the fuel analysis and shall provide it to the District upon request, 5.10.2 An operator of an engine complying with Section 5.7.6 by installing and operating a control device with at least 95% by weight SOx reduction efficiency shall submit for approval by the APCO the proposed the key system operating parameters and frequency of the monitoring and recording not later than July 1, 2013, and 5.10.3 An operator of an engine complying with Section 5.7.6 shall perform an annual source test unless a more frequent sampling and reporting period is included in the Permit-to-Operate. Source tests shall be performed in accordance with the test methods in Section 6.4.	**The non-SIP approved version contains SO_x emissions monitoring requirements not required in the SIP approved version. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	5.8 Permit-Exempt Equipment Registration Requirements The owner of an engine used exclusively in agricultural operations shall register such engine pursuant to Rule 2250 (Permit-Exempt Equipment Registration), except for an engine that meets any one of the following conditions: 5.8.1 The engine is required to have a Permit-to-Operate pursuant to California Health and Safety Code Section 42301.16, or 5.8.2 The engine is not required to comply with Section 5.1 of this rule.	5.11 Permit-Exempt Equipment Registration Requirements The operator of an engine used exclusively in agricultural operations shall register such engine pursuant to Rule 2250 (Permit-Exempt Equipment Registration), except for an engine that meets any one of the following conditions: 5.11.1 The engine is required to have a Permit-to-Operate pursuant to California Health and Safety Code Section 42301.16; or 5.11.2 The engine is not required to comply with Section 5.2 of this rule.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**
6.0 Administrative Requirements	6.1 Emission Control Plan The owner of an engine subject to the requirements of Section 5.1 or Section 8.0, except for an engine specified in Section 6.1.1, of this rule shall submit to the APCO an APCO-approvable emission control plan of all actions to be taken to satisfy the emission requirements of Section 5.1 and the compliance schedules of Section 7.0. 6.1.1 The requirement to submit an emission control plan shall not apply to an engine specified below: 6.1.1.1 A certified compression-ignited engine that has not been retro-fitted with an exhaust control and is not subject to the requirements of Section 8.0, 6.1.1.2 A certified spark-ignited engine that has not been retro-fitted with an exhaust control and is not subject to the requirements of Section 8.0, 6.1.1.3 An AO spark-ignited engine that has not been retro-fitted with a catalytic emission control device and is not subject to the requirements of Section 8.0, 6.1.1.4 An engine subject to Section 4.2, or 6.1.1.5 An engine subject to Section 4.3. 6.1.1.6 An engine with an operating exhaust control system that has been certified in accordance with Section 9.0 Exhaust Control System Certification Requirements. 6.1.2 Such emission control plan shall contain the following information, as applicable for each engine: 6.1.2.1 Permit-to-Operate number, Authority-to-Construct number, or Permit-Exempt Equipment Registration number 6.1.2.2 Engine manufacturer 6.1.2.3 Model designation and engine serial	6.1 Emission Control Plan The operator of an engine subject to the requirements of Section 5.2 of this rule shall submit to the APCO an APCO-approvable emission control plan of all actions to be taken to satisfy the emission requirements of Section 5.2 and the compliance schedules of Section 7.0. If there is no change to the previously-approved emission control plan, the operator shall submit a letter to the District indicating that the previously approved plan is still valid. 6.1.1 The requirement to submit an emission control plan shall apply to the following engines: 6.1.1.1 Engines that have been retrofitted with an exhaust control device, except those certified per Section 9.0; 6.1.1.2 Engines subject to Section 8.0; 6.1.1.3 An AO spark-ignited engine that is subject to the requirements of Section 8.0; 6.1.1.4 An AO spark-ignited engine that has been retrofitted with a catalytic emission control and is not subject to the requirements of Section 8.0. 6.1.2 Such emission control plan shall contain the following information, as applicable for each engine: 6.1.2.1 Permit-to-Operate number, Authority-to-Construct number, or Permit-Exempt Equipment Registration number, 6.1.2.2 Engine manufacturer, 6.1.2.3 Model designation and engine serial number, 6.1.2.4 Rated brake horsepower, 6.1.2.5 Type of fuel and type of ignition, 6.1.2.6 Combustion type: rich-burn or lean-	**The non-SIP approved version of this rule includes what engine categories are subject to this section. The SIP approved version has a list of what engines are exempt from this section. However, there is no change in the actual engine categories that are required to meet these section requirements. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	number 6.1.2.4 Rated brake horsepower 6.1.2.5 Type of fuel and type of ignition 6.1.2.6 Combustion type: rich-burn or lean-burn 6.1.2.7 Total hours of operation in the previous one-year period, including typical daily operating schedule 6.1.2.8 Fuel consumption (cubic feet for gas or gallons for liquid) for the previous one-year period 6.1.2.9 Stack modifications to facilitate continuous in-stack monitoring and to facilitate source testing 6.1.2.10 Type of control to be applied, including in-stack monitoring specifications 6.1.2.11 Applicable emission limits 6.1.2.12 Documentation showing existing emissions of NOx, VOC, and CO, and 6.1.2.13 Date that the engine will be in full compliance with Rule 4702. 6.1.3 The emission control plan shall identify the type of emission control device or technique to be applied to each engine and a construction/removal schedule, or shall provide support documentation sufficient to demonstrate that the engine is in compliance with the emission requirements of this rule. 6.1.4 For an engine being permanently removed from service, the emission control plan shall include a letter of intent pursuant to Section 7.2.	burn, 6.1.2.7 Total hours of operation in the previous one-year period, including typical daily operating schedule, 6.1.2.8 Fuel consumption (cubic feet for gas or gallons for liquid) for the previous one-year period, 6.1.2.9 Stack modifications to facilitate continuous in-stack monitoring and to facilitate source testing, 6.1.2.10 Type of control to be applied, including in-stack monitoring specifications, 6.1.2.11 Applicable emission limits, 6.1.2.12 Documentation showing existing emissions of NOx, VOC, and CO, and 6.1.2.13 Date that the engine will be in full compliance with this rule. 6.1.3 The emission control plan shall identify the type of emission control device or technique to be applied to each engine and a construction/removal schedule, or shall provide support documentation sufficient to demonstrate that the engine is in compliance with the emission requirements of this rule. 6.1.4 For an engine being permanently removed from service, the emission control plan shall include a letter of intent pursuant to Section 7.2.	
	6.2 Recordkeeping 6.2.1 Except for engines subject to Section 4.0, the owner of an engine subject to the requirements of Section 5.1 of this rule shall maintain an engine operating log to demonstrate compliance with this rule. This information shall be retained for a period of at least five years, shall be readily available, and be made available to the APCO upon request. The engine operating log shall include, on a monthly basis, the following information: 6.2.1.1 Total hours of operation, 6.2.1.2 Type of fuel used, 6.2.1.3 Maintenance or modifications performed, 6.2.1.4 Monitoring data, 6.2.1.5 Compliance source test results, and	6.2 Recordkeeping 6.2.1 The operator of an engine subject to the requirements of Section 5.2 of this rule shall maintain an engine operating log to demonstrate compliance with this rule. This information shall be retained for a period of at least five years, shall be readily available, and be made available to the APCO upon request. The engine operating log shall include, on a monthly basis, the following information: 6.2.1.1 Total hours of operation, 6.2.1.2 Type of fuel used, 6.2.1.3 Maintenance or modifications performed, 6.2.1.4 Monitoring data, 6.2.1.5 Compliance source test results, and	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	6.2.1.6 Any other information necessary to demonstrate compliance with this rule. 6.2.1.7 For an engine subject to Section 8.0, the quantity (cubic feet of gas or gallons of liquid) of fuel used on a daily basis. 6.2.2 The data collected pursuant to the requirements of Section 5.6 and Section 5.7 shall be maintained for at least five years, shall be readily available, and made available to the APCO upon request. 6.2.3 An owner claiming an exemption under Section 4.2 or Section 4.3 shall maintain annual operating records. This information shall be retained for at least five years, shall be readily available, and provided to the APCO upon request. The records shall include, but are not limited to, the following: 6.2.3.1 Total hours of operation, 6.2.3.2 The type of fuel used, 6.2.3.3 The purpose for operating the engine, 6.2.3.4 For emergency standby engines, all hours of non-emergency and emergency operation shall be reported, and 6.2.3.5 Other support documentation necessary to demonstrate claim to the exemption.	6.2.1.6 Any other information necessary to demonstrate compliance with this rule. 6.2.1.7 For an engine subject to Section 8.0, the quantity (cubic feet of gas or gallons of liquid) of fuel used on a daily basis. 6.2.2 The data collected pursuant to the requirements of Section 5.8 and Section 5.9 shall be maintained for at least five years, shall be readily available, and made available to the APCO upon request. 6.2.3 An operator claiming an exemption under Section 4.2 or Section 4.3 shall maintain annual operating records. This information shall be retained for at least five years, shall be readily available, and provided to the APCO upon request. The records shall include, but are not limited to, the following: 6.2.3.1 Total hours of operation, 6.2.3.2 The type of fuel used, 6.2.3.3 The purpose for operating the engine, 6.2.3.4 For emergency standby engines, all hours of non-emergency and emergency operation shall be reported, and 6.2.3.5 Other support documentation necessary to demonstrate claim to the exemption.	
	6.3 Compliance Testing The owner of an engine subject to the requirements of Section 5.1 or the requirements of Section 8.0, shall comply with the following requirements, except for an engine specified in Section 6.3.1: 6.3.1 The requirements of Section 6.3.2 through Section 6.3.4 shall not apply to any of the following engines: 6.3.1.1 A certified compression-ignited engine that has not been retro-fitted with an exhaust control and is not subject to the requirements of Section 8.0. 6.3.1.2 A certified spark-ignited engine that has not been retro-fitted with an exhaust control and is not subject to the requirements of Section 8.0. 6.3.1.3 An AO spark-ignited engine that has not been retro-fitted with a catalytic emission control device and is not subject to the requirements of Section 8.0. 6.3.1.4 An engine subject to Section 4.2. 6.3.1.5 An engine subject to Section 4.3. 6.3.1.6 An engine with an operating exhaust	6.3 Compliance Testing The operator of an engine subject to the requirements of Section 5.2 or the requirements of Section 8.0 shall comply with the following requirements: 6.3.1 The requirements of Section 6.3.2 through Section 6.3.4 shall apply to the following engines: 6.3.1.1 Engines that have been retrofitted with an exhaust control device, except those certified per Section 9.0; 6.3.1.2 Engines subject to Section 8.0; 6.3.1.3 An AO spark-ignited engine that is subject to the requirements of Section 8.0; 6.3.1.4 An AO spark-ignited engine that has been retrofitted with a catalytic emission control and is not subject to the requirements of Section 8.0. 6.3.2 Demonstrate compliance with applicable limits, ppmv or percent reduction, in accordance with the test methods in Section 6.4, as specified below: 6.3.2.1 By the applicable date specified in	**The non-SIP approved version of this rule includes what engine categories are subject to this section. The SIP approved version has a list of what engines are exempt from this section. However, there is no change in the actual engine categories that are required to meet this section requirements. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	control system that has been certified in accordance with Section 9.0 Exhaust Control System Certification Requirements. 6.3.2 Demonstrate compliance with applicable limits, ppmv or percent reduction, in accordance with the test methods in Section 6.4, as specified below: 6.3.2.1 By the applicable date specified in Section 5.1.1, Section 5.1.2, Section 7.3, Section 7.4, Section 7.5, or Section 7.6 and at least once every 24 months thereafter, except for an engine subject to Section 6.3.2.2. 6.3.2.2 By the applicable date specified in Section 5.1.1, Section 5.1.2,Section 7.3, Section 7.4, Section 7.5, or Section 7.6 and at least once every 60 months thereafter, for an AO spark-ignited engine that has been retro-fitted with a catalytic emission control device and is not subject to the requirements of Section 8.0. 6.3.2.3 A portable NOx analyzer may be used to show initial compliance with the applicable limits/standards in Section 5.1 for AO spark-ignited engines, provided the criteria specified in Sections 6.3.2.3.1 to 6.3.2.3.5 are met, and a source test is conducted in accordance with Section 6.3.2 within 12 months from the required compliance date. 6.3.2.3.1 A minimum of 15 minutes of runtime must be measured with data recorded at a minimum of 15, evenly spaced time intervals. Compliance is to be determined with the arithmetic average of the oxygen-corrected data. 6.3.2.3.2 The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Analyzer calibration records shall be made available at the District's request. 6.3.2.3.3 The analyzer shall be checked with EPA protocol span gas at the beginning and end of each test day. The results of these checks shall be recorded and copies submitted to the District with each engine test. If the analyzer exhibits more than a 10% deviation from the span check, the instrument must be re-calibrated. Any analysis performed prior to an end-of-day span check failure shall be void. 6.3.2.3.4. The test results of each engine, including span check results, shall be submitted to the District within 30 days of the test date. Test results shall clearly identify the engine tested including owner, location, permit or	Section 5.2, and at least once every 24 months thereafter, except for an engine subject to Section 6.3.2.2 By the applicable date specified in Section 5.2 and at least once every 60 months thereafter, for an AO spark-ignited engine that has been retro-fitted with a catalytic emission control device. 6.3.2.3 A portable NOx analyzer may be used to show initial compliance with the applicable limits/standards in Section 5.2 for AO spark ignited engines, provided the criteria specified in Sections 6.3.2.3.1 to 6.3.2.3.5 are met, and a source test is conducted in accordance with Section 6.3.2 within 12 months from the required compliance date. 6.3.2.3.1 A minimum of 15 minutes of runtime must be measured with data recorded at a minimum of 15, evenly spaced time intervals. Compliance is to be determined with the arithmetic average of the oxygen corrected data; 6.3.2.3.2 The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Analyzer calibration records shall be made available at the District's request; 6.3.2.3.3 The analyzer shall be checked with EPA protocol span gas at the beginning and end of each test day. The results of these checks shall be recorded and copies submitted to the District with each engine test. If the analyzer exhibits more than a 10% deviation from the span check, the instrument must be recalibrated. Any analysis performed prior to an end-of-day span check failure shall be void; 6.3.2.3.4 The test results of each engine, including span check results, shall be submitted to the District within 30 days of the test date. Test results shall clearly identify the engine tested including operator, location, permit or registration number, manufacturer, model, and serial number; and 6.3.2.3.5 The analyzer utilized for each check shall be clearly identified in the material submitted with the test results. Identification shall include manufacturer and serial number of the analyzer used, and the last calibration date. 6.3.3 Conduct emissions source testing with the engine operating either at conditions representative of normal operations or conditions specified in the Permit-to-Operate or Permit-Exempt Equipment Registration. For emissions source testing performed pursuant to Section 6.3.2 for the	

	registration number, manufacturer, model, and serial number. 6.3.2.3.5. The analyzer utilized for each check shall be clearly identified in the material submitted with the test results. Identification shall include manufacturer and serial number of the analyzer used, and the last calibration date. 6.3.3 Conduct emissions source testing with the engine operating either at conditions representative of normal operations or conditions specified in the Permit-to-Operate or Permit-Exempt Equipment Registration. For emissions source testing performed pursuant to Section 6.3.2 for the purpose of determining compliance with an applicable standard or numerical limitation, 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. VOC shall be reported as methane. VOC, NOx, and CO concentrations shall be reported in ppmv, corrected to 15 percent oxygen. For engines that comply with a percent reduction limit in Table 1, the percent reduction of NOx emissions shall also be reported. 6.3.4 In addition to other information, the source test protocol shall describe which critical parameters will be measured and how the appropriate range for these parameters shall be established. The range for these parameters shall be incorporated into the I&M plan. 6.3.5 Engines that are limited by Permit-to-Operate or Permit-Exempt Equipment Registration condition to be fueled exclusively with PUC quality natural gas shall not be subject to the reoccurring source test requirements of Section 6.3.2 for VOC emissions.	purpose of determining compliance with an applicable standard or numerical limitation, 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. VOC shall be reported as methane. VOC, NOx, and CO concentrations shall be reported in ppmv, corrected to 15 percent oxygen. For engines that comply with a percent reduction limit, the percent reduction of NO_x emissions shall also be reported. 6.3.4 In addition to other information, the source test protocol shall describe which critical parameters will be measured and how the appropriate range for these parameters shall be established. The range for these parameters shall be incorporated into the I&M plan. 6.3.5 Engines that are limited by Permit-to-Operate or Permit-Exempt Equipment Registration condition to be fueled exclusively with PUC quality natural gas shall not be subject to the reoccurring source test requirements of Section 6.3.2 for VOC emissions.	
	6.3.6 Representative Testing For spark-ignited engines, in lieu of compliance with the applicable requirements of Section 6.3.2, compliance with the applicable emission limits in Section 5.1 shall be demonstrated by submittal of annual emission test results, within 30 days of the test date, to the District, from a unit or units that represents a specified group of units, provided all of the following are requirements are satisfied: 6.3.6.1 The units are located at the same stationary source; 6.3.6.2 The units were produced by the same manufacturer, have the same model number or other manufacturer's designation in common, and have the same rated capacity and operating specifications;	6.3.6 Representative Testing For spark-ignited engines, in lieu of compliance with the applicable requirements of Section 6.3.2, compliance with the applicable emission limits in Section 5.2 shall be demonstrated by submittal of annual emission test results, within 30 days of the test date, to the District, from a unit or units that represents a specified group of units, provided all of the following requirements are satisfied: 6.3.6.1 The units are located at the same stationary source; 6.3.6.2 The units were produced by the same manufacturer, have the same model number or other manufacturer's designation in common, and have the same rated	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	6.3.6.3 The units are operated and maintained in a similar manner; and 6.3.6.4 At least 20% of the total number of units are tested during each annual test cycle. 6.3.6.5 The District, based on documentation submitted by the stationary source: 6.3.6.5.1 Determines that the margin of compliance for the identical units tested is significant and can be maintained on an on-going basis; or 6.3.6.5.2 Determines based on a review of sufficient emissions data that, though the margin of compliance is not substantial, other factors allow for the determination that the variability of emissions for identical tested units is low enough for confidence that the untested unit will be in compliance. These factors may include, but are not limited to, the following: 6.3.6.5.2.1 Historical records at the tested unit 6.3.6.5.2.2 Fuel characteristics yielding low variability and therefore assurance that emissions will be constant and below allowable levels; 6.3.6.5.2.3 Statistical analysis of a robust emissions data set demonstrate sufficiently low variability to convey assurance that the margin of compliance, though small, is reliable. 6.3.6.6 Should any of the representative units exceed the required emission limits, or if the District notifies the operator that the criteria in Sections 6.3.6.1 through 6.3.6.5 have not been fulfilled, each of the units in the group shall individually demonstrate compliance by emissions testing. Failure to complete emissions testing within 90 days of the failed test shall result in the untested units being in violation of this rule. After compliance with the requirements of Section 6.3.6.6 has been demonstrated, subsequent source testing shall be performed pursuant to Sections 6.3.2 or 6.3.6.	capacity and operating specifications; 6.3.6.3 The units are operated and maintained in a similar manner; and 6.3.6.4 At least 20% of the total number of units are tested during each annual test cycle. 6.3.6.5 The District, based on documentation submitted by the stationary source: 6.3.6.5.1 Determines that the margin of compliance for the identical units tested is significant and can be maintained on an on-going basis; or 6.3.6.5.2 Determines based on a review of sufficient emissions data that, though the margin of compliance is not substantial, other factors allow for the determination that the variability of emissions for identical tested units is low enough for confidence that the untested unit will be in compliance. These factors may include, but are not limited to, the following: 6.3.6.5.2.1 Historical records at the tested unit showing consistent invariant load; 6.3.6.5.2.2 Fuel characteristics yielding low variability and therefore assurance that emissions will be constant and below allowable levels; 6.3.6.5.2.3 Statistical analysis of a robust emissions data set demonstrating sufficiently low variability to convey assurance that the margin of compliance, though small, is reliable. 6.3.6.6 Should any of the representative units exceed the required emission limits, or if the District notifies the operator that the criteria in Sections 6.3.6.1 through 6.3.6.5 have not been fulfilled, each of the units in the group shall individually demonstrate compliance by emissions testing. Failure to complete emissions testing within 90 days of the failed test shall result in the untested units being in violation of this rule. After compliance with the requirements of this section has been demonstrated, subsequent source testing shall be performed pursuant to Sections 6.3.2 or 6.3.6.	
	6.4 Test Methods Compliance with the requirements of Section 5.0 shall be determined, as required, in accordance with the following test procedures or any other method approved by EPA and the APCO: 6.4.1 Oxides of nitrogen - EPA Method 7E, or ARB Method 100. 6.4.2 Carbon monoxide - EPA Method 10, or ARB Method 100.	6.4 Test Methods Compliance with the requirements of Section 5.2 shall be determined, as required, in accordance with the following test procedures or any other method approved by EPA and the APCO: 6.4.1 Oxides of nitrogen - EPA Method 7E, or ARB Method 100. 6.4.2 Carbon monoxide - EPA Method 10, or ARB Method 100.	**The Non-SIP approved version of this rule added SO_x test methods to the SIP approved version of this rule. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	6.4.3 Stack gas oxygen - EPA Method 3 or 3A, or ARB Method 100. 6.4.4 Volatile organic compounds - EPA Method 25A or 25B, or ARB Method 100. 6.4.5 Operating horsepower determination - any method approved by EPA and the APCO.	6.4.3 Stack gas oxygen - EPA Method 3 or 3A, or ARB Method 100. 6.4.4 Volatile organic compounds - EPA Method 25A or 25B, or ARB Method 100. Methane and ethane, which are exempt compounds, shall be excluded from the result of the test. 6.4.5 Operating horsepower determination - any method approved by EPA and the APCO. 6.4.6 SOx Test Methods 6.4.6.1 Oxides of sulfur – EPA Method 6C, EPA Method 8, or ARB Method 100. 6.4.6.2 Determination of total sulfur as hydrogen sulfide (H2S) content – EPA Method 11 or EPA Method 15, as appropriate. 6.4.6.3 Sulfur content of liquid fuel – American Society for Testing and Materials (ASTM) D 6920-03 or ASTM D 5453-99. 6.4.6.4 The SOx emission control system efficiency shall be determined using the following: % Control Efficiency = [(CSO2, inlet – CSO2, outlet) / CSO2, inlet] X 100 Where: CSO2, inlet = concentration of SOx (expressed as SO2) at the inlet side of the SOx emission control system, in lb/Dscf CSO2, outlet = concentration of SOx (expressed as SO2) at the outlet side of the SOx emission control system, in lb/Dscf 6.4.7 The Higher Heating Value (hhv) of the fuel shall be determined by one of the following test methods: 6.4.7.1 ASTM D 240-02 or ASTM D 3282-88 for liquid hydrocarbon fuels. 6.4.7.2 ASTM D 1826-94 or ASTM 1945-96 in conjunction with ASTM D 3588-89 for gaseous fuel.	

	6.5 Inspection and Monitoring (I&M) Plan The owner of an engine that is subject to the requirements of Section 5.1 or the requirements of Section 8.0, except for an engine specified in Section 6.5.1, shall submit to the APCO for approval, an I&M plan that specifies all actions to be taken to satisfy the following requirements and the requirements of Section 5.6. The actions to be identified in the I&M plan shall include, but are not limited to, the information specified below: 6.5.1 The requirements of Section 6.5.2 through Section 6.5.9 shall not apply to any of the following engines: 6.5.1.1 A certified compression-ignited engine that has not been retro-fitted with an exhaust control and is not subject to the requirements of Section 8.0. 6.5.1.2 A certified spark-ignited engine that has not been retro-fitted with an exhaust control and is not subject to the requirements of Section 8.0. 6.5.1.3 An AO spark-ignited engine that has not been retro-fitted with a catalytic emission control device and is not subject to the requirements of Section 8.0. 6.5.1.4 An engine subject to Section 4.2. 6.5.1.5 An engine subject to Section 4.3. 6.5.1.6 An engine with an operating exhaust control system that has been certified in accordance with Section 9.0 Exhaust Control System Certification Requirements. 6.5.2 Procedures requiring the owner or operator to establish ranges for control equipment parameters, engine operating parameters, and engine exhaust oxygen concentrations that source testing has shown result in pollutant concentrations within the rule limits. 6.5.3 Procedures for monthly inspections as approved by the APCO. The applicable control equipment parameters and engine operating parameters will be inspected and monitored monthly in conformance with a regular inspection schedule listed in the I&M plan. 6.5.4 Procedures for the corrective actions on the noncompliant parameter(s) that the owner or operator will take when an engine is found to be operating outside the acceptable range for control equipment parameters, engine operating parameters, and engine exhaust NOx, CO, VOC, or oxygen concentrations. 6.5.5 Procedures for the owner or operator to notify the APCO when an engine is found to be operating outside the acceptable range for control equipment parameters, engine operating parameters, and engine exhaust	6.5 Inspection and Monitoring (I&M) Plan The operator of an engine that is subject to the requirements of Section 5.2 or the requirements of Section 8.0 shall submit to the APCO for approval, an I&M plan that specifies all actions to be taken to satisfy the following requirements and the requirements of Section 5.8. The actions to be identified in the I&M plan shall include, but are not limited to, the information specified below. If there is no change to the previously approved I&M plan, the operator shall submit a letter to the District indicating that previously approved plan is still valid. 6.5.1 The requirements of Section 6.5.2 through Section 6.5.9 shall apply to the following engines: 6.5.1.1 Engines that have been retrofitted with an exhaust control device, except those certified per Section 9.0; 6.5.1.2 Engines subject to Section 8.0; 6.5.1.3 An AO spark-ignited engine that is subject to the requirements of Section 8.0. 6.5.1.4 An AO spark-ignited engine that has been retrofitted with a catalytic emission control and is not subject to the requirements of Section 8.0. 6.5.2 Procedures requiring the operator to establish ranges for control equipment parameters, engine operating parameters, and engine exhaust oxygen concentrations that source testing has shown result in pollutant concentrations within the rule limits. 6.5.3 Procedures for monthly inspections as approved by the APCO. The applicable control equipment parameters and engine operating parameters will be inspected and monitored monthly in conformance with a regular inspection schedule listed in the I&M plan. 6.5.4 Procedures for the corrective actions on the noncompliant parameter(s) that the operator will take when an engine is found to be operating outside the acceptable range for control equipment parameters, engine operating parameters, and engine exhaust NOx, CO, VOC, or oxygen concentrations. 6.5.5 Procedures for the operator to notify the APCO when an engine is found to be operating outside the acceptable range for control equipment parameters, engine operating parameters, and engine exhaust NOx, CO, VOC, or oxygen concentrations. 6.5.6 Procedures for preventive and corrective maintenance performed for the purpose of maintaining an engine in proper operating	**The non-SIP approved version of this rule includes what engine categories are subject to this section. The SIP approved version has a list of what engines are exempt from this section. However, there is no change in the actual engine categories that are required to meet these section requirements. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	NOx, CO, VOC, or oxygen concentrations. 6.5.6 Procedures for preventive and corrective maintenance performed for the purpose of maintaining an engine in proper operating condition. 6.5.7 Procedures and a schedule for using a portable NOx analyzer to take NOx emission readings pursuant to Section 5.6.9. 6.5.8 Procedures for collecting and recording required data and other information in a form approved by the APCO including, but not limited to, data collected through the I&M plan and the monitoring systems described in Sections 5.6.1 and 5.6.2. Oata collected through the I&M plan shall have retrieval capabilities as approved by the APCO. 6.5.9 Procedures for revising the I&M plan. The I&M plan shall be updated to reflect any change in operation. The I&M plan shall be updated prior to any planned change in operation. An engine owner that changes significant I&M plan elements must notify the District no later than seven days after the change and must submit an updated I&M plan to the APCO no later than 14 days after the change for approval. The date and time of the change to the I&M plan shall be recorded in the engine operating log. For new engines and modifications to existing engines, the I&M plan shall be submitted to and approved by the APCO prior to issuance of the Permit-to-Operate or Permit-Exempt Equipment Registration. The owner of an engine may request a change to the I&M plan at any time.	condition. 6.5.7 Procedures and a schedule for using a portable NOx analyzer to take NO_x emission readings pursuant to Section 5.8.9. 6.5.8 Procedures for collecting and recording required data and other information in a form approved by the APCO including, but not limited to, data collected through the I&M plan and the monitoring systems described in Sections 5.8.1 and 5.8.2. Data collected through the I&M plan shall have retrieval capabilities as approved by the APCO. 6.5.9 Procedures for revising the I&M plan. The I&M plan shall be updated to reflect any change in operation. The I&M plan shall be updated prior to any planned change in operation. An engine operator that changes significant I&M plan elements must notify the District no later than seven days after the change and must submit an updated I&M plan to the APCO no later than 14 days after the change for approval. The date and time of the change to the I&M plan shall be recorded in the engine operating log. For new engines and modifications to existing engines, the I&M plan shall be submitted to and approved by the APCO prior to issuance of the Permit-to-Operate or Permit-Exempt Equipment Registration. The operator of an engine may request a change to the I&M plan at any time.	
7.0 Compliance Schedules	7.1 Loss of Exemption The owner of an engine which becomes subject to the emission limits/standards of this rule through loss of exemption shall not operate the subject engine, except as required for obtaining a new or modified Permit-to-Operate or Permit-Exempt Equipment Registration for the engine, until the owner demonstrates that the subject engine is in full compliance with the requirements of this rule.	7.1 Loss of Exemption The operator of an engine which becomes subject to the emission limits/standards of this rule through loss of exemption shall not operate the subject engine, except as required for obtaining a new or modified Permit-to-Operate or Permit-Exempt Equipment Registration for the engine, until the operator demonstrates that the subject engine is in full compliance with the requirements of this rule.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**
	7.2 Permanent Removal of an Engine The owner of an engine who elects to permanently remove the engine from service shall comply with all of the following conditions: 7.2.1 Comply with all applicable requirements of this rule until the engine is permanently removed from service; 7.2.2 Submit a letter to the APCO no later than 14 days before the engine is permanently removed from service, stating the intent to	7.2 Permanent Removal of an Engine The operator of an engine who elects to permanently remove the engine from service shall comply with all of the following conditions: 7.2.1 Comply with all applicable requirements of this rule until the engine is permanently removed from service; 7.2.2 Submit a letter to the APCO no later than 14 days before the engine is permanently	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	permanently remove the engine from service. The engine removal letter can be submitted with the emission control plan, if any; and 7.2.3 Permanently remove the engine from service and officially surrender the Permit-to-Operate or Permit-Exempt Equipment Registration, if any, to the APCO no later than 30 days after the engine is permanently removed from service.	removed from service, stating the intent to permanently remove the engine from service. The engine removal letter can be submitted with the emission control plan, if any; and 7.2.3 Permanently remove the engine from service and officially surrender the Permit-to-Operate or Permit-Exempt Equipment Registration, if any, to the APCO no later than 30 days after the engine is permanently removed from	
	7.3 Compliance Schedule for an AO Compression-Ignited Engine 7.3.1 Compliance Schedule - Submission of Emission Control Plan, I&M Plan, Permit-Exempt Equipment Registration Application and Authority-to-Construct for an AO Compression-Ignited Engine 7.3.1.1 The owner of an engine that is subject to Section 4.2 or Section 4.3 and that is required to submit an Emission Control Plan, an I&M Plan, or an Authority-to-Construct in order to comply with the requirements of Rule 4702, shall submit such document(s) no later than January 1, 2006. 7.3.1.2 The owner of an engine that is subject to Section 5.1 and that is required to submit an Authority-to-Construct application in order to comply with the requirements of Rule 4702, shall submit the Authority-to-Construct application, and any required Emission Control Plan or I&M Plan, no later than six months before the engine is required to be in compliance with the requirements of Section 5.1 of Rule 4702. 7.3.1.3 The owner of an engine that is subject to Section 5.1 and that is required to submit a Permit-Exempt Equipment Registration application in order to comply with the requirements of Rule 4702, shall submit the Permit-Exempt Equipment Registration application, and any required Emission Control Plan or I&M Plan, no later than three months before the engine is required to be in compliance with the requirements of Section 5.1 of Rule 4702. 7.3.2 Compliance Schedule - Monitoring and Recordkeeping for an AO Compression-Ignited Engine Subject to Section 5.1 and Section 5.7 On and after June 1, 2006, the owner of an engine that is subject to Section 5.1 and Section 5.7 of Rule 4702 shall be in compliance with the requirements of Section 5.7, Section 6.2.1.1, and Section 6.2.1.2. 7.3.3 Compliance Schedule - General for an AO Compression-Ignited Engine	7.3 AO Compression-Ignited Engine 7.3.1 The operator of an AO compression-ignited engine that is subject to Section 5.2 and that is required to submit an Authority-to-Construct application in order to comply with the requirements of this rule, shall submit the Authority-to-Construct application, and any required Emission Control Plan or I&M Plan, no later than six months before the engine is required to be in compliance with the requirements of Section 5.2. 7.3.2 The operator of an AO compression-ignited engine that is subject to Section 5.2 and that is required to submit a Permit-Exempt Equipment Registration application in order to comply with the requirements of Rule 4702, shall submit the Permit-Exempt Equipment Registration application, and any required Emission Control Plan or I&M Plan, no later than three months before the engine is required to be in compliance with the requirements of Section 5.2. 7.3.3 Unless otherwise specified, the operator of an engine that is subject to the requirements of Section 5.2 of Rule 4702 shall be in full compliance with Rule 4702 by the indicated dates in Table 4.	**The Non-SIP approved version of this rule only includes current requirements from the SIP approved version. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	7.3.3.1 On and after January 1, 2006, unless otherwise specified, the owner of an engine that is subject to the requirements of Section 4.2 or Section 4.3 of Rule 4702 shall be in full compliance with Rule 4702. 7.3.3.2 Unless otherwise specified, the owner of an engine that is subject to the requirements of Section 5.1 of Rule 4702 shall be in full compliance with Rule 4702 by the indicated dates pursuant to Section 5.1.2.		
	7.4 Compliance Schedule for an AO Spark-Ignited Engine 7.4.1 Compliance Schedule - Submission of Emission Control Plan, I&M Plan, Permit-Exempt Equipment Registration Application and Authority-to-Construct for an AO Spark-Ignited Engine 7.4.1.1 The owner of an engine that is subject to Section 4.2 or Section 4.3 and that is required to submit an Emission Control Plan, an I&M Plan, or an Authority-to-Construct in order to comply with the requirements of Rule 4702, shall submit such document(s) no later than January 1, 2006. 7.4.1.2 The owner of an engine that is subject to Section 5.1 and that is required to submit an Authority-to-Construct application in order to comply with the requirements of Rule 4702, shall submit the Authority-to-Construct application, and any required Emission Control Plan or I&M Plan, by June 1, 2006, or six months before the engine is required to be in compliance with the requirements of Section 5.1 of Rule 4702, whichever is later. 7.4.1.3 The owner of an engine that is subject to Section 5.1 and that is required to submit a Permit-Exempt Equipment Registration application in order to comply with the requirements of Rule 4702, shall submit the Permit-Exempt Equipment Registration application, and any required Emission Control Plan or I&M Plan by January 1, 2007, or three months before the engine is required to be in compliance with the requirements of Section 5.1 of Rule 4702, whichever is later. 7.4.2 Compliance Schedule - Monitoring and Recordkeeping for an AO Spark-Ignited Engine Subject to Section 5.1 and Section 5.7 On and after June 1, 2006, the owner of an engine that is subject to Section 5.1 and Section 5.7 of Rule 4702 shall be in compliance with the requirements of Section 5.7.3 through Section		**AO speak-ignited engines were required to be in full compliance with this rule by 1/1/10. The requirements from this section of the rule are obsolete and not required on the Non-SIP approved version of the rule. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	5.7.5, Section 6.2.1.1, and Section 6.2.1.2. 7.4.3 Compliance Schedule - General for an AO Spark-Ignited Engine 7.4.3.1 On and after June 1, 2006, unless otherwise specified, the owner of an engine that is subject to the requirements of Section 4.2 or Section 4.3 of Rule 4702 shall be in full compliance with Rule 4702. 7.4.3.2 Unless otherwise specified, the owner of an engine that is subject to the requirements of Section 5.1 of Rule 4702 shall be in full compliance with Rule 4702 by the indicated dates pursuant to Section 5.1.1.		
	7.5 Compliance Schedule for a Non-AO Compression-Ignited Engine 7.5.1 Compliance Schedule - Submission of Emission Control Plan, I&M Plan, and Authority-to-Construct for a Non-AO Compression-Ignited Engine 7.5.1.1 The owner of an engine that is subject to Section 4.2 or Section 4.3 and that is required to submit an Emission Control Plan, an I&M Plan, or an Authority-to-Construct in order to comply with the requirements of Rule 4702, shall submit such document(s) no later than June 1, 2006. 7.5.1.2 The owner of an engine that is subject to Section 5.1 and that is required to submit an Emission Control Plan, an I&M Plan, or an Authority-to-Construct in order to comply with the requirements of Rule 4702, shall submit such document(s) by June 1, 2006 or six months before the engine is required to be in compliance with the requirements of Section 5.1 of Rule 4702, whichever is later. 7.5.2 Compliance Schedule - General for a Non-AO Compression-Ignited Engine 7.5.2.1 On and after June 1, 2006, unless otherwise specified, the owner of an engine that is subject to the requirements of Section 4.1, Section 4.2, or Section 4.3 of Rule 4702 shall be in full compliance with Rule 4702. 7.5.2.2 Unless otherwise specified, the owner of an engine that is subject to the requirements of Section 5.1 of Rule 4702 shall be in full compliance with Rule 4702 by the indicated dates pursuant to Section 5.1.2. 7.5.2.3 The owner of an engine that is subject to the requirements of Section 4.0 or Section 5.0 of Rule 4701 (Internal Combustion Engines – Phase 1) shall no longer be subject to the requirements of Rule 4701 pursuant to the following requirements: 7.5.2.3.1 For an engine that is subject to the requirements of Section 4.1, Section 4.2, or	7.4 Non-AO Compression-Ignited Engine 7.4.1 The operator of a non-AO compression-ignited engine that is subject to Section 5.2 and that is required to submit an Emission Control Plan, an I&M Plan, or an Authority-to-Construct in order to comply with rule requirements, shall submit such document(s) no later than six months before the engine is required to be in compliance with the requirements of Section 5.2. 7.4.2 Unless otherwise specified, the operator of an engine that is subject to the requirements of Section 5.2 shall be in full compliance with Rule 4702 by the indicated dates in Table 4.	**The Non-SIP approved version of this rule only includes current requirements from the SIP approved version. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	Section 4.3 of Rule 4702, the requirements of Rule 4701 shall not apply effective on the date that such engine is required to be in full compliance with Rule 4702, or 7.5.2.3.2 For an engine that is subject to the requirements of Section 5.1 of Rule 4702, the requirements of Rule 4701 shall not apply effective on the date that such engine is required to be in full compliance with Rule 4702.		
	7.6 Compliance Schedule for a Non-AO Spark-Ignited Engine 7.6.1Compliance Schedule - Submission of Emission Control Plan, I&M Plan, and Authority-to-Construct for a Non-AO Spark-Ignited Engine Effective on and after June 16, 2005, the owner of an engine that is required to submit an Emission Control Plan, an I&M Plan, or an Authority-to-Construct in order to comply with the requirements of Rule 4702, shall submit such document(s) no later than six months before the engine is required to be in full compliance with Rule 4702. 7.6.2Compliance Schedule – Emission Limits for a Non-AO Spark-Ignited Engine The owner of a non-AO spark-ignited engine subject to the requirements of Rule 4702 shall not operate the engine unless the owner demonstrates and maintains the engine in compliance with the applicable requirements of Rule 4702 by the indicated dates below. Compliance Schedule 1 – Non-AO Spark-Ignited Engine For the purposes of Section 7.6, the total number of non-AO spark-ignited engines at a stationary source on a specified date includes those non-AO spark-ignited engines subject to Rule 4702 pursuant to Section 2.0 and excludes any engines exempt from Rule 4702 pursuant to Section 4.1 on the specified date. 7.6.3Compliance Schedule - General for a Non-AO Spark-Ignited Engine 7.6.3.1 On and after January 1, 2006, unless otherwise specified, the owner of an engine that is subject to the requirements of Section 4.1 of Rule 4702 shall be in full compliance with Rule 4702.	Note: This section refers to Table 5. Table 5 can be found as an attachment to this document. 7.5 Non-AO Spark-Ignited Engine 7.5.1 An operator with non-AO spark-ignited engines at a stationary source subject to Table 2 or Section 8.0 emission limits, SOx control requirements of Section 5.7, and the SOx monitoring requirements of Section 5.10 shall comply with the schedule specified in Table 5. 7.5.2 As shown in Table 5, the column labeled: 7.5.2.1 "Emission Control Plan" identifies the date by which the operator shall submit an emission control plan pursuant to the applicable provisions of Section 6.1. The emission control plan shall identify all the Non-AO spark-ignited engines subject to Table 2 emission limits, SOx control and monitoring requirements. The emission control plan shall identify all the steps to be taken to comply with this rule. If there is no change to the previously approved emission control plan, the operator does not need to submit a new emission control plan. However, the operator shall submit a letter to the District indicating that previously approved plan is still valid. 7.5.2.2 "Authority to Construct and Inspection and Maintenance Plan" identifies the date by which the operator shall submit an Authority to Construct (if needed) and an Inspection and Monitoring Plan as specified in the applicable provisions of Section 6.5 for each engine subject to Table 2 emission limits, SOx control and monitoring requirements. If there is no change to the previously approved I&M plan, the operator does not need to submit a new I&M Plan. However, the operator shall submit a letter to the District indicating that previously approved I&M plan is still valid. 7.5.2.3 "Full Compliance" identifies the date by which the operator shall demonstrate that each unit is in compliance with Table 2	**The Non-SIP approved version of this rule only includes current requirements from the SIP approved version. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	7.6.3.2 Unless otherwise specified, the owner of an engine subject to the requirements of Rule 4702 shall be in full compliance with Rule 4702 by the applicable compliance date pursuant to Section 7.6.2. 7.6.3.3 The owner of an engine that is subject to the requirements of Rule 4701 shall no longer be subject to the requirements of Rule 4701 pursuant to the following requirements: 7.6.3.3.1 For an engine that is subject to the requirements of Section 4.1 of Rule 4702, the requirements of Rule 4701 shall not apply effective on and after January 1, 2006, or 7.6.3.3.2 For an engine that is subject to the requirements of Section 4.2, Section 4.3, or Section 5.1 of Rule 4702, the requirements of Rule 4701 shall not apply effective on the date that such engine is required to be in full compliance with Rule 4702.	emission limits, SOx control and monitoring requirements.	
		7.6 Operator of Non-AO Spark-Ignited Engine Who Elects to Pay Fees In lieu of complying with Table 2 NOx emission limits, the operator of a non-AO spark-ignited engine who elects to pay annual fees under Section 5.2.2.2 and Section 5.6 shall comply with the following requirements: 7.6.1 By the date specified in Table 5, submit an Emission Control Plan which includes the following information: 7.6.1.1 Number of engines at a stationary source that will comply under Section 5.2.2.2, 7.6.1.2 Location of each engine, 7.6.1.3 Engine manufacturer, model designation, engine serial number, and Permit-to-Operate number, and 7.6.1.4 Each engine's rated brake horsepower, fuel type, and type of ignition. 7.6.2 The total annual fees shall be paid to the District in the following manner: 7.6.2.1 Payment shall be paid no later than June 30 of each year, for the emissions of the previous calendar year, 7.6.2.2 The first payment is due to the District no later than June 30 of the year in which full compliance is required for the specified percent of engines at a stationary as specified in Table 5 that the operator has opted to pay the annual fees,	**This section was added to address a new unit category. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

		7.6.2.3 Should June 30 fall on a day when the District is closed, the payment shall be made by the next District working day after June 30, and 7.6.2.4 Payments shall continue annually until the engine 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 the applicable Table 2 emission limits. 7.6.2.5 The emissions fee for units that operate for less than the full calendar year before demonstrating compliance under Section 5.2, shall be based on the actual fuel used during the portion of the calendar year prior to demonstrating compliance or removing the unit from operation within the San Joaquin Valley Air Basin.	
8.0 Alternative Emission Control Plan (AECP)	An owner may comply with the NOx emission requirements of Section 5.1 for a group of engines by meeting the requirements below. An owner that is subject to the requirements below shall also comply with all the applicable requirements of Sections 5.0, 6.0, and 7.0. An engine that is not subject to Section 5.1 is not eligible for inclusion in an AECP. 8.1 During any 7 (seven) consecutive calendar day period, the owner shall operate all engines in the AECP to achieve an actual aggregate NOx emission level that is not greater than 90 percent of the NOx emissions that would be obtained by controlling the engines to comply individually with the NOx limits in Section 5.1. The owner shall operate engines in the AECP such that $AE_{Actual} <= 0.90\ (AE_{Limit})$ and shall notify the APCO within 24 hours of a violation of this section. 8.1.1 The actual aggregate NOx emissions (AE_{Actual}) is the sum of the actual NOX emissions, over a 7 (seven) consecutive calendar day period, from all engines in the AECP which were actually operated during that period. AE_{Actual} shall be calculated as follows: $$AE_{Actual} = \sum_i (EF_i)(F_i)(k_i)$$ where: i identifies each engine in the AECP. EF_i is the NOx emission factor of the engine established pursuant to Section 8.2 and approved by the APCO. F_i is the actual total fuel used by the engine	An operator may comply with the NOx emission requirements of Section 5.2 for a group of engines by meeting the requirements below. An operator that is subject to the requirements below shall also comply with all the applicable requirements of Sections 5.0, 6.0, and 7.0. Only engines subject to Section 5.2 are eligible for inclusion in an AECP. 8.1 During any seven (7) consecutive calendar day period, the operator shall operate all engines in the AECP to achieve an actual aggregate NOx emission level that is not greater than 90 percent of the NOx emissions that would be obtained by controlling the engines to comply individually with the NOx limits in Section 5.2. The operator shall operate engines in the AECP such that $AE_{Actual} \leq 0.90\ (AE_{Limit})$ and shall notify the APCO within 24 hours of any violation of this section. 8.1.1 The actual aggregate NOx emissions (AE_{Actual}) is the sum of the actual NO_X emissions, over a seven (7) consecutive calendar day period, from all engines in the AECP which were actually operated during that period. AE_{Actual} shall be calculated as follows: $$AE_{Actual} = \sum_i (EF_i)(F_i)(k_i)$$ where: i identifies each engine in the AECP. EF_i is the NOx emission factor of the engine established pursuant to Section 8.2 and approved by the APCO. F_i is the actual total fuel used by the engine	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	during the 7 (seven) consecutive calendar day period. k_i is a constant used to convert an engine's fuel use and NOx emission factor to the amount of NOx emitted. k_i is dependent on the engine and the pollutant emitted. Calculation of k_i shall be accomplished using 40 CFR Part 60, Appendix A, Method 19, or an equivalent method approved by EPA, ARB and the APCO. 8.1.2 The estimated aggregate NOx emissions limit (AE_{Limit}) is the sum of the NOx emissions, over a 7 (seven) consecutive calendar day period, for the same engines in the AECP which were actually operated during the same period as considered in Section 8.1.1, calculated with the NOx limits of Section 5.1 and the actual fuel usage during that 7 (seven) consecutive calendar day period. AE_{Limit} shall be calculated as follows: $$AE_{Limit} = \sum_i (EL_i)(F_i)(k_i)$$ where: i identifies each engine in the AECP. EL_i is the NOx emission limit from Section 5.1 for each engine. F_i is the actual total fuel used by the engine during the 7 (seven) consecutive calendar day period. k_i is a constant used to convert an engine's fuel use and NOx emission limit to the amount of NOx emitted. k_i is dependent on the engine and the pollutant emitted. Calculation of k_i shall be accomplished using 40 CFR Part 60, Appendix A, Method 19, or an equivalent method approved by EPA, ARB and the APCO. 8.1.3 Only engines in the AECP which were operated during the 7 (seven) consecutive calendar day period shall be included in the calculations of AE_{Limit} and AE_{Actual}. 8.1.4 The owner shall, at least one time each day the AECP is used, calculate and record the actual aggregate NOx emissions (AE_{Actual}) and the aggregate NOx emission limit (AE_{Limit}) for the preceding 7 (seven) consecutive calendar day period.	during the 7 (seven) consecutive calendar day period. k_i is a constant used to convert an engine's fuel use and NOx emission factor to the amount of NOx emitted. k_i is dependent on the engine and the pollutant emitted. Calculation of k_i shall be accomplished using 40 CFR Part 60, Appendix A, Method 19, or an equivalent method approved by EPA, ARB and the APCO. 8.1.2 The estimated aggregate NOx emissions limit (AE_{Limit}) is the sum of the NOx emissions, over a seven (7) consecutive calendar day period, for the same engines in the AECP which were actually operated during the same period as considered in Section 8.1.1, calculated with the NOx limits of Section 5.2 and the actual fuel usage during that seven (7) consecutive calendar day period. AE_{Limit} shall be calculated as follows: $$AE_{Limit} = \sum_i (EL_i)(F_i)(k_i)$$ where: i = identifies each engine in the AECP. EL_i = the NOx emission limit from Section 5.2 for each engine. F_i = the actual total fuel used by the engine during the seven (7) consecutive calendar day period. k_i = a constant used to convert an engine's fuel use and NOx emission limit to the amount of NOx emitted. k_i is dependent on the engine and the pollutant emitted. Calculation of k_i shall be accomplished using 40 CFR Part 60, Appendix A, Method 19, or an equivalent method approved by EPA, ARB and the APCO. 8.1.3 Only engines in the AECP which were operated during the seven (7) consecutive calendar day period shall be included in the calculations of AE_{Limit} and AE_{Actual}. 8.1.4 The operator shall, at least one time each day the AECP is used, calculate and record the actual aggregate NOx emissions (AE_{Actual}) and the aggregate NOx emission limit (AE_{Limit}) for the preceding seven (7) consecutive calendar day period.	
	8.2 The owner shall establish a NOx emission factor limit for each engine. The established NOx emission factor of an engine shall be no less than the NOx emission factor of the engine from the most recent source test conducted pursuant to Section 6.3 and approved by the APCO. The owner shall not operate an AECP engine in such a manner that NOx emissions exceed the established NOx emission factor of the engine.	8.2 The operator shall establish a NOx emission factor limit for each engine. The established NOx emission factor of an engine shall be no less than the NOx emission factor of the engine from the most recent source test conducted pursuant to Section 6.3 and approved by the APCO. The operator shall not operate an AECP engine in such a manner that NOx emissions exceed the established NOx emission factor of the engine.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	8.3 The owner shall submit the AECP to the APCO at least 18 months before compliance with the emission limits in Section 5.1 is required. The AECP shall: 8.3.1 Not be implemented prior to APCO approval. 8.3.2 Be enforceable on a daily basis by the District. 8.3.3 Contain any information necessary to determine eligibility of the engines for alternative emission control, including, but not limited to: 8.3.3.1 A list of engines subject to the AECP. All engines in an AECP shall be under the operational control of a single owner and shall be located at a single stationary source. 8.3.3.2 The NOx emission factor established by the engine owner for each engine pursuant to Section 8.2. 8.3.3.3 The estimated aggregate NOx emissions calculated according to Section 8.1.2. 8.3.4 Present the methodology for determining equivalency of actual NOx emissions under the proposed AECP as compared to the estimated NOx emissions allowed by this rule. 8.3.5 Detail the method of recording and verifying daily compliance with the AECP. 8.3.6 Demonstrate to the satisfaction of the APCO that the difference between the NOx emission limits of this rule and any lower actual NOx emissions will not be used to increase emissions from the same or another source. 8.3.7 Demonstrate that the engines subject to the requirements of Section 5.1 are in compliance with or on an approved schedule for compliance with all applicable District rules.	8.3 The operator shall submit the AECP to the APCO at least 18 months before compliance with the emission limits in section 5.2 is required. The AECP shall: 8.3.1 Not be implemented prior to APCO approval. 8.3.2 Be enforceable on a daily basis by the District. 8.3.3 Contain any information necessary to determine eligibility of the engines for alternative emission control, including, but not limited to: 8.3.3.1 A list of engines subject to the AECP. All engines in an AECP shall be under the operational control of a single operator and shall be located at a single stationary source, 8.3.3.2 The NOx emission factor established by the engine operator for each engine pursuant to Section 8.2, and 8.3.3.3 The estimated aggregate NOx emissions calculated according to Section 8.1.2. 8.3.4 Present the methodology for determining equivalency of actual NO_X emissions under the proposed AECP as compared to the estimated NO_X emissions allowed by this rule. 8.3.5 Detail the method of recording and verifying daily compliance with the AECP. 8.3.6 Demonstrate to the satisfaction of the APCO that the difference between the NOx emission limits of this rule and any lower actual NOx emissions will not be used to increase emissions from the same or another source. 8.3.7 Demonstrate that the engines subject to the requirements of Section 5.2 are in compliance with or on an approved schedule for compliance with all applicable District rules.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**
	8.4 The owner shall submit an updated or modified AECP for approval by the APCO prior to any of the following: 8.4.1 Modification of the engine(s) which would require an Authority-to-Construct. 8.4.2 When new or amended rules are adopted which regulate the emissions from the engines. 8.4.3 When the NOx emission factor established by the engine owner for an engine pursuant to Section 8.2 is modified.	8.4 The operator shall submit an updated or modified AECP for approval by the APCO prior to any of the following: 8.4.1 Modification of the engine(s) which would require an Authority-to- Construct; 8.4.2 When new or amended rules are adopted which regulate the emissions from the engines; or 8.4.3 When the NOx emission factor established by the engine operator for an engine pursuant to Section 8.2 is modified.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	8.5 In addition to the records kept pursuant to Section 6.2, the owner shall maintain records, on a daily basis, of the parameters needed to demonstrate compliance with the applicable NOx emission limits when operating under the AECP. These records shall be retained for at least five years, shall be readily available, and be made available to the APCO upon request. The records shall include, but are not limited to, the following for each engine unless otherwise indicated: 8.5.1 Total hours of operation. 8.5.2 Type and quantity (cubic feet of gas or gallons of liquid) of fuel used. 8.5.3 The actual NOx emissions limits to be included in the calculation of AE_{Actual} pursuant to Section 8.1.1. 8.5.4 The actual aggregate NOx emissions (AE_{Actual}) for all the engines in the AECP calculated pursuant to Section 8.1.1. 8.5.5 The estimated NOx emissions limits to be included in the calculation of AE_{Limit} pursuant to Section 8.1.2. 8.5.6 The estimated aggregate NOx emissions (AE_{Limit}) for all the engines in the AECP calculated pursuant to Section 8.1.2. 8.5.7 The comparison of the actual aggregate NOx emissions (AE_{Actual}) for all the engines in the AECP and 90 percent of the estimated aggregate NOx emissions (AE_{Limit}) for all the engines in the AECP to demonstrate compliance with Section 8.1. 8.5.8 Any other parameters needed to demonstrate daily compliance with the applicable NOx emission limits when operating under the AECP.	8.5 In addition to the records kept pursuant to Section 6.2, the operator shall maintain records, on a daily basis, of the parameters needed to demonstrate compliance with the applicable NOx emission limits when operating under the AECP. These records shall be retained for at least five years, shall be readily available, and be made available to the APCO upon request. The records shall include, but are not limited to, the following for each engine unless otherwise indicated: 8.5.1 Total hours of operation, 8.5.2 Type and quantity (cubic feet of gas or gallons of liquid) of fuel used, 8.5.3 The actual NOx emissions limits to be included in the calculation of AE_{Actual} pursuant to Section 8.1.1, 8.5.4 The actual aggregate NOx emissions (AE_{Actual}) for all the engines in the AECP calculated pursuant to Section 8.1.1, 8.5.5 The estimated NOx emissions limits to be included in the calculation of AE_{Limit} pursuant to Section 8.1.2, 8.5.6 The estimated aggregate NOx emissions (AE_{Limit}) for all the engines in the AECP calculated pursuant to Section 8.1.2, 8.5.7 The comparison of the actual aggregate NOx emissions (AE_{Actual}) for all the engines in the AECP and 90 percent of the estimated aggregate NO_X emissions (AE_{Limit}) for all the engines in the AECP to demonstrate compliance with Section 8.1, and 8.5.8 Any other parameters needed to demonstrate daily compliance with the applicable NOx emission limits when operating under the AECP.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**
	8.6 For the purpose of determining the quantity of spark-ignited engines in compliance pursuant to Section 7.6, a spark-ignited engine in an AECP shall not be considered to be in compliance until all spark-ignited engines in the AECP that have been designated to meet more stringent NOx emission factors pursuant to Section 8.2 are in compliance with the rule.	8.6 For the purpose of determining the quantity of spark-ignited engines in compliance pursuant to Section 7.5, a spark-ignited engine in an AECP shall not be considered to be in compliance until all spark-ignited engines in the AECP that have been designated to meet more stringent NOx emission factors pursuant to Section 8.2 are in compliance with the rule.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

9.0 Exhaust Control System Certification Requirements	9.1 To be considered for APCO certification, the manufacturer or operator shall comply with all of the following requirements: 9.1.1 Certification shall be based upon the emission source testing results of a specific exhaust control system. 9.1.2 A source testing protocol shall be submitted in accordance with the provisions of Rule 1081 (Source Sampling) for approval by the APCO prior to conducting the source test. The source testing protocol approved by the APCO shall be strictly adhered to during certification source testing. 9.1.3 Source testing shall be conducted over the range of operating parameters for which the unit(s) will be operated. 9.1.4 The source testing results shall demonstrate compliance with the emission limits of this rule for each model of exhaust control system(s) to be certified. 9.1.5 The source testing procedure and reports shall be prepared by an ARB- approved independent testing laboratory, and shall contain all the elements identified in the APCO-approved source testing protocol. 9.1.6 Source testing shall be conducted no more than 90 days prior to the date of submission of request for certification by the APCO. 9.1.7 Any additional supporting information required by the APCO to address other performance parameters.	9.1 To be considered for APCO certification, the manufacturer or operator shall comply with all of the following requirements: 9.1.1 Certification shall be based upon the emission source testing results of a specific exhaust control system, 9.1.2 A source testing protocol shall be submitted in accordance with the provisions of Rule 1081 (Source Sampling) for approval by the APCO prior to conducting the source test. The source testing protocol approved by the APCO shall be strictly adhered to during certification source testing, 9.1.3 Source testing shall be conducted over the range of operating parameters for which the unit(s) will be operated, 9.1.4 The source testing results shall demonstrate compliance with the emission limits of this rule for each model of exhaust control system(s) to be certified, 9.1.5 The source testing procedure and reports shall be prepared by an ARB approved independent testing laboratory, and shall contain all the elements identified in the APCO-approved source testing protocol, 9.1.6 Source testing shall be conducted no more than 90 days prior to the date of submission of request for certification by the APCO, and 9.1.7 Any additional supporting information required by the APCO to address other performance parameters.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**
	9.2 The manufacturer or operator requesting certification shall submit to the APCO the following information: 9.2.1 Copies of the source testing results conducted pursuant to the requirements of Section 9.1, and other pertinent technical data to demonstrate compliance with the emission limits of this rule. 9.2.2 The applicant shall sign and date the statement attesting to the accuracy of all information in the statement. 9.2.3 Name and address of the exhaust control system manufacturer or operator, brand name of the exhaust control unit, model number, and description of model of system(s) being certified.	9.2 The manufacturer or operator requesting certification shall submit to the APCO the following information: 9.2.1 Copies of the source testing results conducted pursuant to the requirements of Section 9.1, and other pertinent technical data to demonstrate compliance with the emission limits of this rule, 9.2.2 The applicant shall sign and date the statement attesting to the accuracy of all information in the statement, and 9.2.3 Name and address of the exhaust control system manufacturer or operator, brand name of the exhaust control unit, model number, and description of model of system(s) being certified.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	9.3 The APCO will only approve an application for certification to the extent that the requirements of Sections 9.1 through 9.2 are met and the source testing results demonstrate that the emission limits of this rule are met.	9.3 The APCO will only approve an application for certification to the extent that the requirements of Sections 9.1 through 9.2 are met and the source testing results demonstrate that the emission limits of this rule are met.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**
	9.4 The APCO-approved certification is valid only for the range of operating parameters and conditions for which certification is issued.	9.4 The APCO-approved certification is valid only for the range of operating parameters and conditions for which certification is issued.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**
	9.5 The APCO shall publish a list of certified exhaust control systems after the certification process is completed.	9.5 The APCO shall publish a list of certified exhaust control systems after the certification process is completed.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

District Rule 4702 was amended (8/18/2011). As analyzed, each amended section of the non-SIP version of the rule is at least as stringent as, or more stringent than the corresponding section of the SIP version of the rule. Therefore, it is concluded that overall the non-SIP version of the rule is more stringent than the SIP version of the rule

SIP APPROVED VERSION OF DISTRICT RULE 4702

Table 1 Emission Limits/Standards for a Spark-Ignited Internal Combustion Engine and Emission Limits/Standards and Compliance Schedule for a Spark-Ignited Engine Used Exclusively in Agricultural Operations (corrected to 15% oxygen on a dry basis)

Engine Type	NOx	CO	VOC
1. Rich-Burn			
a. Waste gas fueled	50 ppmv or 90% reduction	2000 ppmv	250 ppmv
b. Cyclic loaded, field gas fueled	50 ppmv	2000 ppmv	250 ppmv
c. All other engines	25 ppmv or 96% reduction	2000 ppmv	250 ppmv
2. Lean-Burn			
a. Two stroke, gaseous fueled, less than 100 horsepower	75 ppmv or 85% reduction	2000 ppmv	750 ppmv
b. All other engines	65 ppmv or 90% reduction	2000 ppmv	750 ppmv
3. Rich-Burn Engine Used Exclusively in Agricultural Operations			
a. Comply by 1/1/2009, or if owner has an agreement to electrify, comply by 1/1/2010	90 ppmv or 80% reduction	2000 ppmv	250 ppmv
4. Lean-Burn Engine Used Exclusively in Agricultural Operations			
a. Comply by 1/1/2009 or if owner has an agreement to electrify comply by 1/1/2010	150 ppmv or 70% reduction	2000 ppmv	750 ppmv
5. Certified Spark-Ignited Engine Used Exclusively in AO and installed on or before June 16, 2005			
a. Comply by 6/1/2006	Meet Certified Spark-Ignited Engine Standard of HC+NOx < 0.6 g/bhp-hr		

SIP APPROVED VERSION OF DISTRICT RULE 4702

Table 2 Emission Limits/Standards and Compliance Schedule for a Compression-Ignited Internal Combustion Engine (corrected to 15% oxygen on a dry basis)

Engine Type	Emission Limit/ Standard	Compliance Date
1. Non-Certified Compression-Ignited Engine		
a. Greater than 50 bhp but not more than 500 bhp	EPA Tier 3 or Tier 4	1/1/2010
b. Greater than 500 bhp but not more than 750 bhp and less than 1000 annual operating hours	EPA Tier 3	1/1/2010
c. Greater than 750 bhp and less than 1000 annual operating hours	EPA Tier 4	7/1/2011
d. Greater than 500 bhp and greater than or equal to 1000 annual operating hours	80 ppm NOx, 2,000 ppm CO, 750 ppm VOC	1/1/2008 or, if owner has an agreement to electrify, comply by 1/1/2010
2. Certified Compression-Ignited Engine		
a. EPA Certified Tier 1 or Tier 2 Engine	EPA Tier 4	1/1/2015 or 12 years after installation date, whichever is later
b. EPA Certified Tier 3 or Tier 4 Engine	Meet Certified Compression-Ignited Engine Standard in effect at time of installation	At time of installation

SIP APPROVED VERSION OF DISTRICT RULE 4702

Compliance Schedule 1 – Non-AO Spark-Ignited Engine

Quantity of Non-AO Spark-Ignited Engines to be in Compliance at a Stationary Source	Compliance Date
a. 25% or more of the total number of non-AO spark-ignited engines at a stationary source on June 1, 2005	6/1/05
b. 62.5% or more of the total number of non-AO spark-ignited engines at a stationary source on June 1, 2006	6/1/06
c. 100% of the total number of non-AO spark-ignited engines at a stationary source on June 1, 2007	6/1/07

NON-SIP APPROVED VERSION OF DISTRICT RULE 4702

Table 1 Emission Limits/Standards for a Spark-Ignited Internal Combustion Engine rated at >50 bhp Used Exclusively in Non-AO (All ppmv limits are corrected to 15% oxygen on a dry basis.).			
Engine Type	NOx	CO	VOC
1. Rich-Burn			
a. Waste gas fueled	50 ppmv or 90% reduction	2000 ppmv	250 ppmv
b. Cyclic loaded, field gas fueled	50 ppmv	2000 ppmv	250 ppmv
c. All other engines	25 ppmv or 96% reduction	2000 ppmv	250 ppmv
2. Lean-Burn			
a. Two stroke, gaseous fueled, less than 100 horsepower	75 ppmv or 85% reduction	2000 ppmv	750 ppmv
b. All other engines	65 ppmv or 90% reduction	2000 ppmv	750 ppmv

Table 2 Emission Limits for a Spark-Ignited Internal Combustion Engine Rated at >50 bhp Used Exclusively in Non-AO (All ppmv limits are corrected to 15% oxygen on a dry basis). Emission Limits are effective according to the compliance schedule specified in Section 7.5.			
Engine Type	NOx (ppmv)	CO (ppmv)	VOC (ppmv)
1. Rich-Burn			
a. Waste Gas Fueled	50	2000	250
b. Cyclic Loaded, Field Gas Fueled	50	2000	250
c. Limited Use	25	2000	250
d. Rich-Burn Engine, not listed above	11	2000	250
2. Lean-Burn Engines			
a. Two-Stroke, Gaseous Fueled, >50 bhp and < 100 bhp	75	2000	750
b. Limited Use	65	2000	750
c. Lean-Burn Engine used for gas compression	65 ppmv or 93% reduction	2000	750
d. Waste Gas Fueled	65 ppmv or 90% reduction	2000	750
e. Lean-Burn Engine, not listed above	11	2000	750

Table 3 Emission Limits/Standards and Compliance Schedule for a Spark-Ignited Internal Combustion Engine >50 bhp Used Exclusively in AO (All ppmv limits are corrected to 15% oxygen on a dry basis).			
Engine Type	NO_X Limit	CO Limit	VOC Limit
1. Rich-Burn	90 ppmv or 80% reduction	2000 ppmv	250 ppmv
2. Lean-Burn	150 ppmv or 70% reduction	2000 ppmv	750 ppmv
3. Certified and installed on or before June 16, 2005	Meet a Certified Spark-Ignited Engine Standard of HC + NOx < 0.6 g/bhp-hr		

Table 4 Emission Limits/Standards and Compliance Schedule for Compression-Ignited Internal Combustion Engine (corrected to 15% oxygen on a dry basis)		
Engine Type	Emission Limit/ Standard	Compliance Date
1. Non-Certified Compression-Ignited Engine Installed on or before June 1, 2006		
a. Greater than 50 bhp but not more than 500 bhp	EPA Tier 3 or Tier 4	1/1/2010
b. Greater than 500 bhp but not more than 750 bhp and less than 1000 annual operating hours	EPA Tier 3	1/1/2010
c. Greater than 750 bhp and less than 1000 annual operating hours	EPA Tier 4	7/1/2011
d. Greater than 500 bhp and greater than or equal to 1000 annual operating hours	80 ppmv NOx, 2,000 ppmv CO, 750 ppmv VOC	1/1/2008 or, if owner has an agreement to electrify, comply by 1/1/2010
2. Certified Compression-Ignited Engine		
a. EPA Certified Tier 1 or Tier 2 Engine	EPA Tier 4	1/1/2015 or 12 years after installation date, but not later than 6/1/2018
b. EPA Certified Tier 3 or Tier 4 Engine	Meet Certified Compression-Ignited Engine Standard in effect at time of installation	At time of installation

Table 5 Compliance Schedule for Non-AO Spark-Ignited Engines Subject to Table 2 Emission Limits, and SOx Control and Monitoring Requirements			
Engines to be in Compliance at a Stationary Source	Emission Control Plan	Authority to Construct and Inspection and Monitoring Plan	Full Compliance
Operator with a single engine at a stationary source			
Single Engine	1/1/12	1/1/13	1/1/14
Operator with at least two engines, but less than 12 engines at a stationary source			
33% or more of the engines subject to Table 2 emission limits as of August 18, 2011	7/1/12	1/1/13	1/1/14
66% or more of the engines subject to Table 2 emission limits as of August 18, 2011	7/1/12	1/1/14	1/1/15
100% of the engines subject to Table 2 emission limits	7/1/12	1/1/15	1/1/16
Operator with at least 12 engines at a stationary source			
25% or more of the engines subject to Table 2 emission limits as of August 18, 2011	7/1/12	1/1/13	1/1/14
50% or more of the engines subject to Table 2 emission limits as of August 18, 2011	7/1/12	1/1/14	1/1/15
75% or more of the engines subject to Table 2 emission limits as of August 18, 2011	7/1/12	1/1/15	1/1/16
100% of the engines subject to Table 2 emission limits	7/1/12	1/1/16	1/1/17