



DEC 10 2018

Mr. Brian Polson
Tulare Lake Compost
1955 Workman Mill Rd
Whitter, CA 90601

Re: Notice of Preliminary Decision - Federally Mandated Operating Permit
Facility Number: C-6048
Project Number: C-1170061

Dear Mr. Polson:

Enclosed for your review is the District's analysis of Tulare Lake Compost's application for the Federally Mandated Operating Permit for its operation at 34318 23rd Ave, Kettleman City, 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. Errol Villegas, Permit Services Manager, at (559) 230-5900.

Sincerely,

Arnaud Marjollet
Director of Permit Services

Enclosures

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

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SANJOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT

TITLE V APPLICATION REVIEW TULARE LAKE COMPOST FACILITY C-6048

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Title V Application Review

Co-Composting Facility

Project #: C-1170061

Deemed Complete: February 23, 2017

Engineer: Kamaljit Sran
Date: November 21, 2018

Facility Number: C-6048
Facility Name: Tulare Lake Compost
Mailing Address: 1955 Workman Mill Rd.
Whitter, CA 90601-1415

Contact Name: Brian Polson
Phone: (562) 908-4288 x 2465

Responsible Official: Martha Tremblay
Title: Departmental Head, Technical Services

I. PROPOSAL

Tulare Lake Compost is proposing that the initial Title V Operating Permit be issued for its existing co-composting facility located in Kings County. The purpose of this engineering 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

This facility is located at 34318 23rd Avenue in Kettleman City, Kings County, California.

III. EQUIPMENT LISTING

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

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

IV. GENERAL PERMIT TEMPLATE USAGE

The applicant is requesting to use the following model general permit Templates.

A. Template SJV-UM-0-3 Facility Wide Umbrella

The applicant has requested to utilize general permit template SJV-UM-0-3, Facility Wide Umbrella. Based on the information submitted in the Template Qualification Form, the applicant qualifies for the use of this template.

Template SJV-UM-0-3 conditions have been added as conditions 1 through 40 for the facility wide requirements (C-6048-0-0).

V. SCOPE OF EPA AND PUBLIC REVIEW

Model general permit templates have been previously subject to EPA and public review. The terms and conditions from the model general permit templates as identified above are not subject to further EPA and public review.

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

The following permit conditions, including their underlying applicable requirements, originate from model general permit templates and are not subject to further EPA and Public review: conditions 1 through 40 for the facility wide requirements (C-6048-0-0).

VI. APPLICABLE REQUIREMENTS ADDRESSED BY GENERAL PERMIT TEMPLATES

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

District Rule 1100, Equipment Breakdown, (Amended December 17, 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)

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

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

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

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

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

District Rules 8021, 8031, 8041, 8051, and 8061, Fugitive Dust (PM₁₀) Emissions (Amended August 19, 2004)

District Rule 8071, Fugitive Dust (PM₁₀) Emissions, (Amended Sept. 16, 2004)

40 CFR 61, Subpart M - Asbestos

40 CFR 82, Subparts B & F - Stratospheric Ozone

VII. APPLICABLE REQUIREMENTS NOT ADDRESSED BY GENERAL PERMIT TEMPLATES

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

District Rule 2410, Prevention of Significant Deterioration (Adopted June 16, 2011)

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

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

District Rule 4565, Biosolids, Animal Manure, and Poultry Litter Operations (Adopted May 15, 2007)

District Rule 4566, Organic Material Composting Operations (Adopted August 18, 2011)

District Rule 4621, Gasoline Transfer into Stationary Storage Containers, Delivery Vessels, and Bulk Plants (Amended December 19, 2013)

District Rule 4622, Transfer of Gasoline into Vehicle Fuel Tanks (Amended December 19, 2013)

District Rule 4702, Internal Combustion Engines (Amended August 18, 2011)

District Rule 4801, Sulfur Compounds, (Amended December 17, 1992) (Non SIP replacement for Kings County Rule 407)

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

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

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 Permit. The terms and conditions that are part of the facility's Title V permit are designated as "Federally Enforceable Through the Title V Permit".

The facility is subject to the following District rules which are not currently Federally Enforceable:

1. District Rule 4102 – Nuisance

For this facility, condition 42 of the facility wide requirements (C-6048-0-0), condition 3 of the requirements for permit unit C-6048-25-1, and condition 2 of the requirements for permit units C-6048-27-1 & -28-1 is based on the rules identified above and are not Federally Enforceable Through the Title V Permit.

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

Purpose of this ATCM is to protect public health by controlling particulate matter (PM) and criteria pollutant emissions from stationary diesel fueled portable engines rated at 50 horsepower and greater operating in California.

All applicable requirements for this ATCM are satisfied via District Rule 4702 and 40 CFR 60 subpart IIII. No additional compliance determination is needed.

3. California Health and Safety Code: 41705

The District nuisance prohibition authority is derived from the California Health and Safety Code, Section 41700

41700. (a) Except as otherwise provided in Section 41705, a person shall not discharge from any source whatsoever quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or that endanger the comfort, repose, health, or safety of any of those persons or the public, or that cause, or have a natural tendency to cause, injury or damage to business or property.

However, Section 41705 (a)(2) excludes odors emanating from composting operations from the nuisance prohibition authority in Section 41700:

41705. (a) Section 41700 does not apply to odors emanating from any of the following:

(2) Operations that produce, manufacture, or handle compost, as defined in Section 40116 of the Public Resources Code, if the odors emanate directly from the compost facility or operations.

Condition 1 of the requirements for permit unit C-6048-29-1 ensure compliance with this rule:

IX. COMPLIANCE

A. Requirements Addressed by Model General Permit Templates

1. Facility Wide Requirements (C-6048-0-0)

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 (C-6048-0-0) as condition numbers 1 through 40 to assure compliance with these requirements.

B. Requirements Not Addressed by Model General Permit Templates

1. District Rule 2201 New and Modified Stationary Source Review Rule

a. Co-Composting Feedstock Mixing Operation (C-6048-7-5)

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

- Condition 1 from the PTO was included as condition 41 of the facility wide requirements (C-6048-0-0).
- Conditions 2 thru 7 from the PTO were included as conditions 1 thru 6 of the requirements for this permit unit.
- Condition 8 from the PTO was included as condition 42 of the facility wide requirements. This condition is not federally enforceable because it is based on the public nuisance requirements of the California Health and Safety Code rather than a federally applicable requirement.

- Condition 9 from the PTO was included as condition 22 of the facility wide requirements (C-6048-0-0).
- Conditions 10 thru 40 from the PTO were included as conditions 7 thru 37 of the requirements for this permit unit.
- Conditions 41 thru 48 from the PTO were included as conditions 29 thru 34 the facility wide requirements (C-6048-0-0).

b. Co-Composting Operation Including Active Phase, Maturation Phase, and Curing Phase (C-6048-19-5)

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

- Condition 1 from the PTO was included as condition 41 of the facility wide requirements (C-6048-0-0).
- Conditions 2 thru 7 from the PTO were included as conditions 1 thru 6 of the requirements for this permit unit.
- Condition 8 from the PTO was included as condition 42 of the facility wide requirements. This condition is not federally enforceable because it is based on the public nuisance requirements of the California Health and Safety Code rather than a federally applicable requirement.
- Conditions 9 thru 33 from the PTO were included as conditions 7 thru 31 of the requirements for this permit unit.
- Conditions 34 thru 41 from the PTO were included as conditions 29 thru 34 the facility wide requirements (C-6048-0-0).

c. Finished Compost Loadout Operation (C-6048-20-4)

This permit unit was subject to the District NSR Rule at the time the applicant applied for an Authority to Construct. In accordance with the White Paper for Streamlined Development of Part 70 Permit Applications, dated July 10, 1995, conditions from the resulting PTO were addressed to define how NSR permit terms should be incorporated into the Title V permit.

- Condition 1 from the PTO was included as condition 41 of the facility wide requirements (C-6048-0-0).
- Condition 2 from the PTO was included as condition 42 of the facility wide requirements. This condition is not federally enforceable because it is based on the public nuisance requirements of the California Health and Safety Code rather than a federally applicable requirement.
- Conditions 3 thru 8 from the PTO were included as conditions 1 thru 6 of the requirements for this permit unit.
- Conditions 9 thru 16 from the PTO were included as conditions 29 thru 34 the facility wide requirements (C-6048-0-0).

d. Gasoline Dispensing Operation (C-6048-21-5)

This permit unit was subject to the District NSR Rule at the time the applicant applied for an Authority to Construct. In accordance with the White Paper for Streamlined Development of Part 70 Permit Applications, dated July 10, 1995, conditions from the resulting PTO were addressed to define how NSR permit terms should be incorporated into the Title V permit.

- Condition 1 from the PTO was included as condition 41 of the facility wide requirements (C-6048-0-0)
- Conditions 2 & 3 from the PTO were included as conditions 1 & 2 of the requirements for this permit unit.
- Condition 4 from the PTO was included as condition 42 of the facility wide requirements. This condition is not federally enforceable because it is based on the public nuisance requirements of the California Health and Safety Code rather than a federally applicable requirement.
- Conditions 5 through 30 from the PTO were included as conditions 3 through 28 of the requirements for this permit unit.

e. 96 BHP Deutz Diesel IC Engine Powering a Fire Pump (C-6048-25-1)

This permit unit was subject to the District NSR Rule at the time the applicant applied for an Authority to Construct. In accordance with the White Paper for Streamlined Development of Part 70 Permit Applications, dated July 10, 1995, conditions from the resulting PTO were addressed to define how NSR permit terms should be incorporated into the Title V permit.

- Conditions 1 & 3 from the PTO were included as conditions 1 & 2 of the requirements for this permit unit.
- Condition 2 from the PTO was included as condition 42 of the facility wide requirements. This condition is not federally enforceable because it is based on the public nuisance requirements of the California Health and Safety Code rather than a federally applicable requirement.
- Condition 4 from the PTO was included as condition 22 of the facility wide requirements (C-6048-0-0).
- Conditions 5 thru 9 from the PTO were included as conditions 3 thru 7 of the requirements for this permit unit.
- Conditions 10 thru 13 from the PTO were included as conditions 9 thru 12 of the requirements for this permit unit

f. 563 BHP Caterpillar Diesel IC Engine Powering a Fire Pump (C-6048-27-1)

This permit unit was subject to the District NSR Rule at the time the applicant applied for an Authority to Construct. In accordance with the White Paper for Streamlined Development of Part 70 Permit Applications, dated

July 10, 1995, conditions from the resulting PTO were addressed to define how NSR permit terms should be incorporated into the Title V permit.

- Condition 1 from the PTO was included as condition 1 of the requirements for this permit unit.
 - Condition 2 from the PTO was included as condition 22 of the facility wide requirements (C-6048-0-0).
 - Condition 3 from the PTO was included as condition 42 of the facility wide requirements. This condition is not federally enforceable because it is based on the public nuisance requirements of the California Health and Safety Code rather than a federally applicable requirement.
 - Conditions 4 thru 14 from the PTO were included as conditions 2 thru 12 of the requirements for this permit unit.
 - Condition 15 is an obsolete requirement, therefore was not included in the requirements for this permit unit.
 - Condition 16 from the PTO was included as condition 13 of the requirements for this permit unit
- g. 636 BHP Caterpillar Diesel IC Engine Powering an Electrical Generator (C-6048-28-1)

This permit unit was subject to the District NSR Rule at the time the applicant applied for an Authority to Construct. In accordance with the White Paper for Streamlined Development of Part 70 Permit Applications, dated July 10, 1995, conditions from the resulting PTO were addressed to define how NSR permit terms should be incorporated into the Title V permit.

- Conditions 1 & 4 from the PTO were included as conditions 1 & 2 of the requirements for this permit unit.
 - Condition 3 from the PTO was included as condition 42 of the facility wide requirements. This condition is not federally enforceable because it is based on the public nuisance requirements of the California Health and Safety Code rather than a federally applicable requirement.
 - Condition 2 from the PTO was included as condition 22 of the facility wide requirements (C-6048-0-0).
 - Conditions 4 thru 14 from the PTO were included as conditions 2 thru 12 of the requirements for this permit unit.
 - Condition 15 is an obsolete requirement, therefore was not included in the requirements for this permit unit.
 - Condition 16 from the PTO was included as condition 13 of the requirements for this permit unit
- h. 74 BHP JCB Diesel IC Engine Powering a Trommel Screen (C-6048-29-1)

This permit unit was subject to the District NSR Rule at the time the applicant applied for an Authority to Construct. In accordance with the White Paper for Streamlined Development of Part 70 Permit Applications, dated

July 10, 1995, conditions from the resulting PTO were addressed to define how NSR permit terms should be incorporated into the Title V permit.

- Condition 1 from the PTO was included as condition 41 of the facility wide requirements (C-6048-0-0).
 - Conditions 2 & 3 from the PTO were included as conditions 1 & 2 of the requirements for this permit unit.
 - Condition 4 from the PTO was included as condition 22 of the facility wide requirements (C-6048-0-0).
 - Conditions 5 thru 19 from the PTO was included as conditions 3 thru 17 of the requirements for this permit unit.
- i. Composting Feedstock Material Hauling, Mixing, and Pile Building Operation (C-6048-30-1)

This permit unit was subject to the District NSR Rule at the time the applicant applied for an Authority to Construct. In accordance with the White Paper for Streamlined Development of Part 70 Permit Applications, dated July 10, 1995, conditions from the resulting PTO were addressed to define how NSR permit terms should be incorporated into the Title V permit.

- Condition 1 from the PTO was included as condition 41 of the facility wide requirements (C-6048-0-0).
- Condition 2 from the PTO was included as condition 1 of the requirements for this permit unit.
- Condition 3 from the PTO was included as condition 22 of the facility wide requirements (C-6048-0-0).
- Conditions 4 thru 9 from the PTO was included as conditions 2 thru 7 of the requirements for this permit unit.
- Conditions 10 & 11 from the PTO were included as conditions 30 & 31 the facility wide requirements (C-6048-0-0).

2. District Rule 2410 Prevention of Significant Deterioration

This District Rule has been newly adopted since facility's last Title V was last renewed. However the requirements of this rule are only triggered at the time the source undergoes a modification. All applicable requirements from any PSD permit actions have already been incorporated into current Title V permit.

3. District Rule 2520 Federally Mandated Operating Permits

There are no federally applicable Greenhouse Gas (GHG) requirements for this source. It should be noted that the Mandatory Greenhouse Gas Reporting rule (40 CFR 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.

4. District Rule 4201 Particulate Matter Concentration

Section 3.0 prohibits the discharge into the atmosphere of dust, fumes, or total suspended particulate matter from any single source operation in excess of 0.1 grain per cubic foot of gas at dry standard conditions.

a. Emergency IC Engines (C-6048-25-1 -27-1, & -28-1)

Per the CAPCOA/CARB/EPA IX Title V Periodic Monitoring Recommendations memo, dated July 2001, diesel-fired emergency IC engines do not need to be source tested for compliance with the District's grain loading limit of 0.1 grain/dscf as long as the Permit to Operate contain following conditions:

- 1) Engine usage is limited to maintenance, testing, and time of actual unforeseen emergencies.
- 2) Usage for maintenance and testing is not to exceed 200 hours per year.
- 3) Maintain records of all engine usage and maintenance.

b. 74 HP JCB Diesel IC Engine Powering a Trommel Screen (C-6048-29-1)

$$0.022 \frac{g}{hp \cdot hr} \times \frac{1 hp \cdot hr}{2,542.5 Btu} \times \frac{10^6 Btu}{9,051 dscf} \times \frac{0.35 Btu_{out}}{1 Btu_{in}} \times \frac{15.43 grain}{g} = 0.005 \frac{grain}{dscf}$$

Since 0.005 grain/dscf is less than 0.1 grain/dscf, compliance with this rule is expected.

5. District Rule 4565 Biosolids, Animal Manure, and Poultry Litter Operations

a. Co-Composting Operation (C-6048-19-5)

Section 5.3 Applies to composting/co-composting operations. Section 5.3.3 applies to those composting/co-composting facilities with throughputs of at least 100,000 wet-tons per year, and requires the facility to meet either Section 5.3.3.1 or 5.3.3.2. The facility will comply with Section 5.3.3.2, which requires the implementation of at least two class one mitigation measures, in addition to one class two mitigation measure for active composting and one class two mitigation measure for curing composting. The mitigation measure options are shown in Table 2 from the rule:

Table 2 – Composting/Co-composting Facility Mitigation Measures	
<i>Class One Mitigation Measures</i>	
1.	Scrape or sweep, at least once a day, all areas where compostable material is mixed, screened, or stored such that no compostable material greater than one inch (1") in height is visible in the areas scraped or swept immediately after scraping or sweeping, except for compostable material in process piles or storage piles.
2.	Maintain a minimum oxygen concentration of at least five percent (5%), by volume, in the free air space of every active and curing compost pile.
3.	Maintain the moisture content of every active and curing compost pile between 40% and 70%, by weight.
4.	Manage every active pile such that the initial carbon to nitrogen ratio of every pile is at least twenty (20) to one (1).
5.	<i>Cover all active compost piles within 3 hours of each turning with one of the following: a waterproof covering; at least six (6) inches of finished compost; or at least six (6) inches of soil.</i>
6.	<i>Cover all curing compost piles within 3 hours of each turning with one of the following: a waterproof covering; at least six (6) inches of finished compost; or at least six (6) inches of soil.</i>
7.	Implement an alternative Class One mitigation measure(s) not listed above that demonstrates at least a 10% reduction, by weight, in VOC emissions.
<i>Class Two Mitigation Measures</i>	
8.	<i>Conduct all active composting in aerated static pile(s) vented to a VOC emission control device with a VOC control efficiency of at least 80% by weight.</i>
9.	Conduct all active composting in an in-vessel composting system vented to a VOC emission control device with a VOC control efficiency of at least 80% by weight.
10.	<i>Conduct all curing composting in aerated static pile(s) vented to a VOC emission control device with a VOC control efficiency of at least 80% by weight.</i>
11.	Conduct all curing composting in an in-vessel composting system vented to a VOC emission control device with a VOC control efficiency of at least 80% by weight.
12.	Implement an alternative Class Two mitigation measure(s) not listed above that demonstrates at least 80% reduction, by weight, in VOC emissions.

The facility meet Section 5.3.3.2 requirements, which requires the implementation of at least two class one mitigation measures, in addition to one class two mitigation measure for active composting and one class two mitigation measure for curing composting. The facility selected the measures that are bolded and italicized in the table above. Conditions 9 & 10 of the requirements for permit unit C-6048-19-5 ensure compliance with these requirements.

Section 5.4 monitoring section applies since the composting will take place in Aerated Static Piles (ASPs). Section 5.4 includes the following requirements:

5.4.1 In addition to the requirements of Section 5.3, an aerated static pile shall have no measurable increase (< 0.45 ppmv increase) over background levels of hydrocarbons within three feet of any surface of the aerated static pile.

5.4.2 In addition to the requirements of Section 5.3, an in-vessel composting operation shall have no measurable increase (< 0.45

ppmv increase) over background levels of hydrocarbons outside the in-vessel enclosure, including any opening that occurs briefly for access or maintenance.

5.4.3 An operator shall test for VOCs once each calendar quarter.

5.4.3.1 The location and number of test points for aerated static pile composting system shall be determined using TMECC 02.01-B (Selection of Sampling Locations for Windrows and Piles).

5.4.3.2 The openings of an in-vessel composting system shall be tested according to the test method specified in Section 6.2.3.2.

5.4.3.3 The hydrocarbon analyzer shall meet the requirements specified in Section 6.2.4.2.

5.4.4 In lieu of complying with the applicable requirements of Sections 5.4.1 or 5.4.2, an operator may monitor one or more alternative parameters. The operator must demonstrate, to the satisfaction of the APCO and EPA, that the alternative parameter(s) correlates to the composting system capturing as much of the VOC emissions as technologically practical.

The facility has elected to meet Sections 5.4.4 in lieu of Sections 5.4.1 and 5.4.2. Conditions 17 thru 20 of the requirements for permit unit C-6048-19-5 ensure compliance with testing and monitoring requirements.

5.4.5 In lieu of complying with the requirements of Section 5.4.3, an operator may use a different analyzer or test on a different schedule if the operator demonstrates, to the satisfaction of the APCO and EPA, that the alternate analyzer or alternate schedule is as indicative of system performance as the requirements Section 5.4.3.

The facility has elected to meet Sections 5.4.5 in lieu of Section 5.4.3. Section 5.4.3 requires test method TMECC 02.01-B (Selection of Sampling Locations for Windrows and Piles) be performed monthly. However, this is a core-sample test that would require the removal of the GORE covers monthly in order to perform. As this would result in unnecessary increases in emissions, the approved testing and monitoring requirements satisfy this section.

Section 5.6 applies since the facility uses non-biofilter controls (GORE covers) on their ASPs. Section 5.6 includes the following requirements:

5.6.1 In addition to the applicable requirements of Sections 5.3 and 5.4, an operator using a VOC emission control device that is not a biofilter

shall monitor key system operating parameters that demonstrate continuous operation and compliance of the VOC emission control device during composting operations. Examples of key system operating parameters include, but are not limited to, temperatures, pressures, and flow rates.

- 5.6.2 In addition to the applicable requirements of Sections 5.3 and 5.4, operators using a VOC emission control device that is not a biofilter shall operate and maintain the VOC emission control device in accordance with the manufacturer's recommendations and any additional operating and maintenance standards determined necessary by the APCO, ARB, and EPA to ensure proper operation of the VOC control device.

Conditions 22 thru 25 of the requirements for permit unit C-6048-19-5 ensure compliance with these requirements.

Section 5.7 Source Testing Requirements for VOC Emission Control Device. Section 5.7 identifies the following:

- 5.7.1 The VOC emission control device (biofilter or non-biofilter) shall be tested for VOC control efficiency within ninety days of installation and every two years thereafter. VOC emission control devices with an active Permit to Operate on March 15, 2007 shall be tested for VOC control efficiency on or before September 30, 2007, and every two years thereafter.
- 5.7.2 The source test must be conducted under representative operating conditions with respect to seasonal conditions, compost composition, process throughput, processing of materials, and pile geometries.

Conditions 12 thru 16 of the requirements for permit unit C-6048-19-5 ensure compliance with these requirements.

Section 6.1.4 requires that an operator of a composting facility subject to this rule shall keep the following records:

- 6.1.4.1 On a daily basis, an operator shall record the quantity of materials received that would be used in the compost/co-compost operation. These materials include, but are not limited to, material that may be recovered from the composting process for reuse in another batch of compostable material; biosolids; animal manure; poultry litter; and green waste.
- 6.1.4.2 An operator shall keep records that demonstrate that the facility meets the Class One mitigation measures selected for the facility each day that a mitigation measure is performed. For operators

using an approved alternative Class One mitigation measure, the operator shall keep records for the alternative mitigation measure each day the alternative mitigation measure is performed.

- 6.1.4.3 An operator shall keep records according to 6.1.5 through 6.1.7, as applicable, for the composting operations subject to Class Two mitigation measures.

Conditions 26 & 30 of the requirements for permit unit C-6048-19-5 ensure compliance with these requirements

VOC Inspection Records (Section 6.1.5):

The operator shall maintain an inspection logbook. The following information shall be contained in the logbook:

- 6.1.5.1 The date of the VOC inspection.
- 6.1.5.2 The reading of the portable hydrocarbon analyzer in ppmv for each inspection location.
- 6.1.5.3 If an alternate parameter is monitored, list the parameter monitored and record the level of the alternate parameter for each inspection location.

Condition 29 of the requirements for permit unit C-6048-19-5 ensures compliance with these requirements.

6. District Rule 4566 Organic Material Composting Operations

The provisions of this rule apply to composting facilities that compost and/or stockpile organic material.

Stockpiles used for composting operations that are subject to Rule 4565 (Biosolids, Animal Manure, and Poultry Litter Operations) and have organic material and biosolids, animal manure, or poultry litter on site are exempt from all stockpile requirements of this rule for the materials associated with those operations.

Composting operations that are subject to Rule 4565 (Biosolids, Animal Manure, and Poultry Litter Operations) are exempt from all requirements of this rule.

7. District Rule 4621 Gasoline Transfer into Stationary Storage Containers, Delivery Vessels, and Bulk Plants

- a. Gasoline Dispensing Operation (C-6048-21-5)

Section 5.1 states "loading equipment and vapor collection equipment shall be installed, maintained, and operated such that it is leak-free, with no excess organic liquid drainage at disconnect."

Section 3.19.2 defines a leak as the dripping of VOC-containing liquid at a rate of more than three (3) drops per minute, or the detection of any gaseous or vapor emissions with a concentration or total organic compound greater than 10,000 ppmv, as methane, above background when measured in accordance with the test method in Section 6.4.2. Any liquid or gas coming from a component undergoing repair or replacement, or during sampling of process fluid from a component or equipment into a container is not considered sampling of a leak provided such activities are accomplished as expeditiously as possible and with minimal spillage of material and VOC emissions to the atmosphere. Conditions 4 & 5 of the requirements for permit unit C-6048-21-5 ensure compliance with these requirements.

Section 5.2.1 states "no person shall transfer, or permit the transfer, of gasoline from any delivery vessel into any stationary storage container subject to the requirements of this rule unless such container is equipped with an ARB certified permanent submerged fill pipe and utilizes an ARB certified Phase I vapor recovery system that is maintained and operated according to manufacturer specifications and the applicable ARB Executive Order." Since the facility has installed ARB certified Phase I vapor recovery system, requirements of this section are satisfied and compliance is expected.

In addition, ARB has the additional certification requirements, including applicable rules and regulations of the Division of Measurement Standards of the Department of Food and Agriculture, the Office of the State Fire Marshal of the Department of Forestry and Fire Protection, the Division of Occupational Safety and Health of the Department of Industrial Relations, and the Division of Water Quality of the State Water Resources Control Board that have been made conditions of the certification. Condition 1 of the requirements for permit unit C-6048-21-5 ensures compliance with this requirement.

Section 5.4.1 states "all aboveground storage containers shall be constructed and maintained in a leak-free condition." Condition 3 of the requirements for permit unit C-6048-21-5 ensures compliance with this requirement.

Section 5.4.4 states "operators of an aboveground storage container not located at a bulk plant shall conduct and pass the performance test specified in Sections 6.4.8 to determine compliance at least once every 36 months, (no more than 30 days before or after the required performance test date) unless otherwise required under ARB Executive Order." Section 6.4.8 specifies the "Static Leak Test for Aboveground Tanks" using ARB Test Procedure TP-206.3 or ARB Test Procedure TP-201.3B as applicable.

Condition 16 of the requirements for permit unit C-6048-21-5 ensures compliance with this requirement.

Section 5.5 states "All Phase I vapor recovery systems shall be inspected according to the frequency specified in Table 1. The person conducting the inspections shall, at a minimum, verify that the fill caps and vapor caps are not missing, damaged, or loose, that the fill cap gasket and vapor cap gaskets are not missing or damaged, that the fill adapter and vapor adapter are securely attached to the risers, that, where applicable, the spring-loaded submerged fill tube seals properly against the coaxial tubing, and the dry break (poppet-valve) is not missing or damaged and that the submerged fill tube is not missing or damaged." Condition 11 of the requirements for permit unit C-6048-21-5 ensures compliance with these requirements.

Section 5.7.2 states "no person shall operate, or allow the operation of a delivery vessel unless valid State of California decals which attest to the vapor integrity of the container are displayed." Condition 6 of the requirements for permit unit C-6048-21-5 ensures compliance with this requirement.

Section 6.1.4 states "all records required to demonstrate compliance with the requirements of this rule shall be retained on the premises for a minimum of five years and made available on site during normal business hours to the APCO, ARB, or EPA, and submitted to the APCO, ARB, or EPA upon request." Condition 28 of the requirements for permit unit C-6048-21-5 ensures compliance with these requirements.

Section 6.2.4 states "Operators shall notify the District at least seven days prior to any performance testing." Section 6.2.5 states "Operators shall submit all performance test results to the District within 30 days of test completion." Condition 23 of the requirements for permit unit C-6048-21-5 ensures compliance with this requirement.

Section 6.3.1 states "Installation and maintenance contractors shall be certified by the ICC for Vapor Recovery System Installation and Repair (VI) and make available onsite proof of ICC certification for VI, and have and make available on site proof of any and all certifications required by the applicable ARB Executive Order and installation and operation manual in order to install or maintain specific systems, or work under the direct and personal supervision of an individual physically present at the work site who possesses and makes available onsite a current certificate from the ICC, indicating he or she has passed the VI exam and all certifications required by the applicable ARB Executive Order." Section 6.3.2 states "All ICC certifications shall be renewed every 24 months by passing the appropriate exam specific to the certification being sought." Conditions 21 & 22 of the requirements for permit unit C-6048-21-5 ensure compliance with these requirements.

Section 6.3.3 states "Gasoline Dispensing Facility Testers wishing to conduct vapor recovery system testing and repair at facilities located within the District, shall be in full compliance with District Rule 1177 (Gasoline Dispensing Facility Tester Certification)." Condition 20 of the requirements for permit unit C-6048-21-5 ensures compliance with this requirement.

8. District Rule 4622 Transfer of Gasoline into Vehicle Fuel Tanks

a. Gasoline Dispensing Operation (C-6048-21-5)

Section 3.29 defines a retail gasoline outlet as an establishment at which gasoline is sold or offered for sale to the general public for use in motor vehicles. Condition 2 of the requirements for permit unit C-6048-21-5 ensures compliance with this requirement.

Section 5.1 states "a person shall not transfer or permit the transfer of gasoline from any stationary storage container, or from any mobile fueler with a capacity greater than 120 gallons, into a motor vehicle fuel tank with a capacity greater than 5 gallons, unless the gasoline dispensing unit used to transfer the gasoline is equipped with and has in operation an ARB certified Phase II vapor recovery system."

Section 5.1.1 states "all ARB certified Phase II vapor recovery systems shall be maintained according to ARB certifications and the manufacturer specifications applicable to the system." Since the facility has installed ARB certified Phase II vapor recovery system, requirements of this section are satisfied and compliance is expected.

In addition, ARB has the additional certification requirements, including applicable rules and regulations of the Division of Measurement Standards of the Department of Food and Agriculture, the Office of the State Fire Marshal of the Department of Forestry and Fire Protection, the Division of Occupational Safety and Health of the Department of Industrial Relations, and the Division of Water Quality of the State Water Resources Control Board that have been made conditions of the certification. Condition 1 of the requirements for permit unit C-6048-21-5 ensures compliance with this requirement.

Section 5.1.2 states "all ARB certified Phase II vapor recovery systems and gasoline dispensing equipment shall be maintained without leaks as determined in accordance with the test method in Section 6.5.4." Section 6.5.4 states "detection of leaks shall be in accordance with EPA Test Method 21." Section 3.20 defines a leak as the dripping of VOC-containing liquid at a rate of more than three (3) drops per minute, or the detection of any gaseous or vapor emissions with a concentration or total organic compound greater than 10,000 ppmv, as methane, above background when measured in accordance with the test method in Section 6.5.4. Any liquid or gas coming from a component undergoing repair or replacement,

or during sampling of process fluid from a component or equipment into a container is not considered sampling of a leak provided such activities are accomplished as expeditiously as possible and with minimal spillage of material and VOC emissions to the atmosphere. Conditions 4 & 5 of the requirements for permit unit C-6048-21-5 ensure compliance with these requirements.

Section 5.2.1 states "any gasoline dispensing system subject to this rule shall comply with the provisions of this rule at the time of installation. Section 5.2.2 states "operators shall have all underground storage container installations and all underground piping configurations inspected by the APCO prior to backfilling. The operator shall notify the District by telephone or other District-approved method and obtain a confirmation number at least three business days prior to the backfilling.

Per District's policy, the aboveground tanks with balance Phase II vapor recovery system are not allowed to have a remote dispenser. Any dispenser that is more than two feet away from the tank is considered a remote dispenser. It is very unlikely for a non-remote dispenser to have underground vapor pipes and instead most of the aboveground tanks with balance Phase II systems have top or side mounted dispensers. Therefore, no underground piping is involved with this project and this section does not apply.

Section 5.2.3 states "installation and maintenance contractors shall, be certified by the ICC for Vapor Recovery System Installation and Repair, renew the ICC certification for Vapor Recovery System Installation and Repair every 24 months, make available onsite proof of ICC certification, and have and make available on site proof of any and all certifications required by the Executive Order and installation and operation manual in order to install or maintain specific systems." Section 5.2.4 states "in lieu of complying with Sections 5.2.3.1 through 5.2.3.4, installation and maintenance contractors may work under the direct and personal supervision of an individual physically present at the work site who possesses and makes available on site current certifications from the ICC, indicating he or she has passed the ICC Vapor Recovery System Installation and Repair exam and all other certifications required by the applicable ARB Executive Order." Conditions 21 & 22 of the requirements for permit unit C-6048-21-5 ensure compliance with these requirements.

Section 5.3.1 states "the owner or operator of an ARB certified Phase II vapor recovery system shall conduct periodic maintenance inspections to ensure that components of the vapor recovery system are in proper operating condition."

Section 5.3.2 states "the frequency of inspections shall be based on the operation's largest monthly gasoline throughput from the previous calendar year as indicated in Table 1."

Section 5.3.3 states “the frequency of vapor path inspections shall be based on the amount of gasoline dispensed by the operation in a calendar month as indicated in Table 1.”

Section 5.3.4 states “the person conducting the inspections shall at a minimum, verify that the fueling instructions required by Section 5.5 are clearly displayed with the appropriate toll-free complaint phone number and toxic warning signs, that the following nozzle components are in place and in good condition as specified in ARB Executive Orders: faceplate/facecone, bellows, latching device spring, vapor check valve, spout (proper diameter/vapor collection holes), insertion interlock mechanism, automatic shut-off mechanism, hold open latch, that the hoses are not torn or crimped, that the vapor path of coaxial hoses associated with bellows equipped nozzles does not contain more than 100 ml of liquid, or as required by the applicable ARB Executive Order, and that the vapor processing unit is functioning properly, for operations that are required to have or possess such a unit.” Conditions 10 & 12 of the requirements for permit unit C-6048-21-5 ensure compliance with these requirements.

Section 5.4.1 states “no person shall operate any ARB certified Phase II vapor recovery system or any portion thereof that has a major defect, until: The defect has been repaired, replaced, or adjusted as necessary to correct the defect; The District has been notified, and the District has reinspected the system or authorized the system for use. Such authorization shall not include the authority to operate the equipment prior to the correction of the defective components; and all major defects, after repair, are duly entered into the Operations and Maintenance (O&M) manual.” Condition 7 of the requirements for permit unit C-6048-21-5 ensures compliance with this requirement.

Section 5.4.2 states “upon identification of any major defects, the owner or operator shall tag “Out-of-Order” all dispensing equipment for which vapor recovery has been impaired.”

Section 5.4.2.1 states “tagged equipment shall be rendered inoperable and the tag(s) shall not be removed until the defective equipment has been repaired, replaced, or adjusted, as necessary.”

Section 5.4.2.2 states “in the case of defects identified by the District, tagged equipment shall be rendered inoperable, and the tag shall not be removed until the District has been notified of the repairs, and the District has either reinspected the system or authorized the tagged equipment for use.” Condition 8 of the requirements for permit unit C-6048-21-5 ensures compliance with this requirement.

Section 5.4.4 states “in the event of a separation due to a drive off, the owner or operator shall complete one of the following, unless otherwise specified

in the applicable ARB Executive Order, and document the activities in accordance with Section 6.2, before placing the affected equipment back in service.”

- 1) Conduct a visual inspection of the affected equipment, perform qualified repairs on any damaged components, and conduct applicable re-verification tests pursuant to Sections 6.5.1.1 and 6.5.1.4, or”
- 2) Conduct a visual inspection of the affected equipment and replace the affected nozzles, coaxial hoses, breakaway couplings, and any other damaged components with new or certified rebuilt components that are ARB certified, before placing affected equipment back in service.”

Condition 13 of the requirements for permit unit C-6048-21-5 ensures compliance with this requirement.

Section 5.12 states “liquid condensate traps shall be used, if necessary, to keep the vapor return piping clear of any liquid blockage from the remote dispenser to the aboveground storage tank or when it is not possible to achieve the necessary slope from the dispenser to the underground storage tank.”

Section 5.12.1 states “Liquid condensate traps shall be used only when the minimum slope requirements of 1/8 inches per foot of run cannot be met due to the topography.”

Section 5.12.2 states “When liquid condensate traps are installed on gasoline dispensing systems equipped with an ARB certified Phase II enhanced vapor recovery system, they shall meet the following requirements:

- 5.12.2.1 Maintained vapor tight;
- 5.12.2.2 Accessible for inspection upon request;
- 5.12.2.3 Capable of automatic evacuation of liquid; and
- 5.12.2.4 Equipped with an alarm system in case of failure of the evacuation system.”

Conditions 18 & 19 of the requirements for permit unit C-6048-21-5 ensure compliance with these requirements.

Section 6.2.1 states “operators shall retain the test result verification that each ARB certified Phase II vapor recovery system meets or exceeds the requirements of the tests specified in Section 6.5. These verifications shall be maintained for at least five years. These test results shall be dated and shall contain the names, addresses, and telephone numbers of the companies responsible for system installation and testing.” Condition 24 of the requirements for permit unit C-6048-21-5 ensures compliance with this requirement.

Section 6.2.2 states “a person who performs repairs on any ARB certified Phase I or Phase II vapor recovery system shall provide to the owner or operator a repair log, which the owner or operator shall maintain on the premises for at least five years and which shall include all of the following:”

- 1) Date and time of each repair;
- 2) The name and applicable certification numbers of the person(s) who performed the repair, and, if applicable, the name, address and phone number of the person’s employer;
- 3) Description of service performed;
- 4) Each component that was repaired, serviced, or removed;
- 5) Each component that was installed as replacement, if applicable;
- 6) Receipts or other documents for parts used in the repair and, if applicable, work orders which shall include the name and signature of the person responsible for performing the repairs.

Condition 25 of the requirements for permit unit C-6048-21-5 ensures compliance with this requirement.

Section 6.2.3 states “each operator who is required to perform periodic maintenance inspections under Section 5.3 shall maintain monthly gasoline throughput records on the premises for a minimum of five years, make them available on site during normal business hours to the APCO, ARB, or EPA, and submit them to the APCO, ARB, or EPA upon request.” Conditions 28 & 29 of the requirements for permit unit C-6048-21-5 ensure compliance with these requirements.

Section 6.3.1 states “the owner or operator of a gasoline dispensing operation shall maintain an O&M Manual in accordance with Section 6.3.”

Section 6.3.2 states “the O&M manual shall be kept at the dispensing operation and made available to any person who operates, inspects, maintains, repairs, or tests the equipment at the operation as well as to District personnel upon request.”

Section 6.3.3 states “the O&M manual shall, at a minimum, include the following current information:”

- 1) copies of all vapor recovery performance tests,
- 2) all applicable ARB Executive Orders, Approval Letters, and District Permits,
- 3) manufacturer’s specifications and instructions for installation, operation, repair, and maintenance required pursuant to applicable ARB Certification Procedures, and any additional instruction provided by the manufacturer,
- 4) system and/or component testing requirements, including test schedules and passing criteria for each of the standard tests listed in

Section 6.0. The owner/operator may include any non-ARB required diagnostic and other tests as part of the testing requirements, and
5) additional O&M instructions, if any, that are designed to ensure compliance with the applicable rules, regulations, ARB Executive Orders, and District permit conditions, including replacement schedules for failure or wear prone components.

Section 6.3.4 states "owners or operators of gasoline dispensing operations shall document the periodic maintenance inspection program in the O&M manual." Conditions 9 & 26 of the requirements for permit unit C-6048-21-5 ensure compliance with these requirements.

Section 6.4.1 states "operators shall comply with the ARB certified Phase II vapor recovery system performance tests specified in Sections 6.4.1.1 through 6.4.1.4 and shall conduct all applicable performance tests at start up and thereafter (no more than 30 days before or after the required compliance testing date) as required by the applicable ARB Executive Order and installation and operation manuals."

Section 6.4.1.1 states "conduct and pass a Static Leak Test of the ARB certified Phase II vapor recovery system at least once every twelve months."

Section 6.4.1.2 states "conduct and pass a Dynamic Back-Pressure Test of the ARB certified Phase II vapor recovery system at least once every five years except for those aboveground storage tanks that have integral dispensers (non-remote), unless otherwise required under the applicable ARB Executive Order." All balance Phase II systems require integral dispensers (top or side mounted). The only balance system that allows a non-integral dispenser is Petro Vault (G-70-130-A) and the maximum distance of the dispenser from the base of the tank is 2 feet which is not considered a remote dispenser. Therefore, balance Phase II systems cannot have a remote dispenser and thus no Dynamic Back-Pressure Test is required for balance Phase II systems.

Section 6.4.1.3 states "for ARB certified Phase II vapor recovery systems with bellows-less nozzles, conduct and pass, as applicable, an Air-to-Liquid Volume Ratio Test or a Vapor-to-Liquid Ratio Test at least once every six months."

Section 6.4.1.4 states "for ARB certified Phase II vapor recovery systems with a liquid removal device required by ARB Executive Orders, conduct and pass a Liquid Removal Test whenever the liquid in the vapor path exceeds 100 ml of liquid, or as required by the applicable ARB Executive Order. The amount of liquid in the vapor path shall be determined in accordance with the procedure specified in Section 5.3.4.4."

Section 6.4.2 states "the person responsible for conducting the tests specified in Section 6.4 shall use calibrated equipment meeting the

calibration range and calibration intervals specified by the manufacturer, ARB Executive Order, or ARB test procedure.”

Section 6.4.3 states “Persons responsible for conducting the tests specified in Section 6.5 shall be in full compliance with all provisions of Rule 1177 (Gasoline Dispensing Facility Tester Certification).” Condition 20 of the requirements for permit unit C-6048-21-5 ensures compliance with this requirement.

Section 6.4.4 states “each gasoline dispensing operation shall notify the District at least seven days prior to any performance testing.”

Section 6.4.5 states “each ARB certified Phase II vapor recovery system shall be tested within 60 days of completion of installation or modification.”

Section 6.5.1 states “tests shall be conducted in accordance with the latest version of the following ARB and EPA approved test methods, or their equivalents as approved by the EPA, and the APCO.”

Section 6.5.1.2 states “Dynamic Back-Pressure Test, ARB TP-201.4”

Section 6.5.1.3 states “Air-to-Liquid Volume Ratio Test, ARB TP-201.5”

Section 6.5.1.4 states “Liquid Removal Test, ARB TP-201.6C”

Section 6.5.1.5 states “Static Leak Test for Aboveground Tanks, ARB TP-206.3 or TP-201.3B as applicable.”

Conditions 16 & 18 of the requirements for permit unit C-6048-21-5 ensure compliance with these requirements.

9. District Rule 4702 Internal Combustion Engines

a. Emergency IC Engines (C-6048-25-1 -27-1, & -28-1)

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. This rule applies to any internal combustion engine with a rated brake horsepower greater than 50 horsepower. Section 4.3 provides that except for the administrative requirements of section 6.2.3, the requirements of this rule shall not apply to an engine that is: (a) 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; (b) except for operations associated with (a), 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 (c) 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.

Section 6.2.3 requires that an owner claiming an exemption under 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: total hours of operation, the type of fuel used, the purpose for operating the engine, for emergency standby engines, all hours of nonemergency and emergency operation shall be reported, and other support documentation necessary to demonstrate claim to the exemption.

Conditions 5, 8 thru 11 of permit unit C-6048-25-1, conditions 3, 5 thru 14 of permit unit C-6048-27-1, and conditions 3, 7 thru 14 of permit unit C-6048-28-1 ensure compliance with requirements of this rule.

b. 74 BHP JCB Diesel IC Engine Powering a Trommel Screen (C-6048-29-1)

Section 5.2.4 requires an operator to replace, repower, or control an existing Tier 1 or Tier 2 certified diesel IC engine to comply with the applicable emission standards by the compliance dates as specified in the following Table.

Engine Type	Emission Limit/ Standard	Compliance Date
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 6/1/18
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

A Tier 4 Final was the highest emission standard in effect at the permitting time. Therefore, the Tier 4 Final engine meets the requirements of Rule 4702.

Section 5.7.4 requires the use of California Reformulated Diesel for compression-ignited engines; or

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

Section 5.7.6 requires the operator to 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 SOx control requirements of this rule are satisfied by the use of CARB certified diesel fuel as required by condition 8 of the requirements of permit unit C-6048-29-1.

Section 5.9.1 requires that the operator of a compression-ignited engine subject to the emission requirements of Section 5.2 comply with the requirements specified in Sections 5.9.2 through 5.9.5.

Section 5.9.2 requires the owner to properly operate and maintain each engine as recommended by the engine manufacturer or emission control system supplier.

Section 5.9.3 requires the owner to monitor the operational characteristics of each engine as recommended by the engine manufacturer or emission control system supplier.

Section 5.9.4 requires each engine to install and operate a nonresettable elapsed operating time meter. In lieu of installing a nonresettable time meter, the owner of an engine may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO and is allowed by Permit-to-Operate or Stationary Equipment Registration condition. The owner of the engine shall properly maintain and operate the time meter or alternative device in accordance with the manufacturer's instructions.

Section 5.9.5 is applicable to engines retrofitted with a NOx exhaust control. The engines in this project do not have add-on NOx controls. Therefore, the requirements of Section 5.9.5 are not applicable.

Monitoring requirement of these sections are satisfied by conditions 3, 9, & 10 of the requirements for permit unit C-6048-29-1.

Section 6.2 requires that except for engines subject to Section 4.0, the owner of an engine subject to the requirements of Section 5.1 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 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 5.7 shall be maintained for at least five years, shall be readily available, and made available to the APCO upon request.

Recordkeeping requirement of these sections are satisfied by condition 14 of the requirements for permit unit C-6048-29-1.

10. District Rule 4801 Sulfur Compounds

- a. Emergency IC Engines (C-6048-25-1 -27-1, & -28-1)
- b. 74 BHP JCB Diesel IC Engine Powering a Trommel Screen (C-6048-29-1)

District Rule 4801 has been submitted to the EPA to replace Kings County Rule 407, which is in the SIP. District Rule 4801 is as stringent as Kings County Rule 407, as shown below in following Table.

Comparison of District Rule 4801 and Kings County Rule 407

REQUIREMENTS	District Rule 4801	Kings County Rule 407
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.	✓	

A person shall not discharge into the atmosphere sulfur compounds, which would exist as a liquid or gas at standard conditions, exceeding in concentration at the point of discharge: 0.2 % by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes.

Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used in these engine. Using the ideal gas equation, the sulfur compound emissions are calculated as follows:

$$\text{Volume SO}_2 = (n \times R \times T) \div P$$

$$n = \text{moles SO}_2$$

$$T (\text{standard temperature}) = 60 \text{ }^\circ\text{F or } 520 \text{ }^\circ\text{R}$$

$$R (\text{universal gas constant}) = \frac{10.73 \text{ psi} \cdot \text{ft}^3}{\text{lb} \cdot \text{mol} \cdot \text{ }^\circ\text{R}}$$

$$\frac{0.000015 \text{ lb-S}}{\text{lb-fuel}} \times \frac{7.1 \text{ lb}}{\text{gal}} \times \frac{64 \text{ lb-SO}_2}{32 \text{ lb-S}} \times \frac{1 \text{ MMBtu}}{9,051 \text{ scf}} \times \frac{1 \text{ gal}}{0.137 \text{ MMBtu}} \times \frac{\text{lb-mol}}{64 \text{ lb-SO}_2} \times \frac{10.73 \text{ psi} \cdot \text{ft}^3}{\text{lb-mol} \cdot \text{ }^\circ\text{R}} \times \frac{520 \text{ }^\circ\text{R}}{14.7 \text{ psi}} \times 10^6 = 1.0 \text{ ppmv}$$

Since 1.0 ppmv is \leq 2,000 ppmv, this engine is expected to comply with Rule 4801.

Condition 4 of the requirements for permit unit C-6048-25-1, -27-1, -28-1 and condition 8 of the requirements for permit unit C-6048-29-1 ensure compliance with requirements of this rule.

11.40 CFR 60, Subpart III, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

a. 74 HP JCB Diesel IC Engine Powering a Trommel Screen (C-6048-29-1)

This subpart applies to *stationary* diesel engines (installed on or after 6/12/2006 per FYI 309). The definition of *stationary* IC Engines in this subpart excludes *non - road* engines as defined in 40 CFR 1068.30. The engine in permit unit C-6048-29-1 is *non - road*. Therefore, this subpart is not applicable.

b. Emergency IC Engines (C-6048-25-1 -27-1, & -28-1)

These engines are subject to 40 CFR 60, Subpart III, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines because they were manufactured after April 1, 2006, as required by Section 60.4200(a)(2)(i).

Section 60.4205(b) requires the engine to comply with the standards in Section 60.4202 for all pollutants for the same model year and maximum engine power. Section 60.4202(a)(ii) requires that engines over 50 bhp must meet the EPA standards in 40 CFR 89.112 and 40 CFR 89.113. According to the Manufacturer's Emission Data the engine will comply with the all standards.

Sections 60.4206 and 60.4211(a) require that the owner/operator operate and maintain the engine according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine. Condition 8 of the requirements for permit unit C-6048-25-1, condition 7 of the requirements for permit unit C-6048-27-1 & -28-1 ensure compliance with this section.

Section 60.4207(a) requires that by October 1, 2007, the owner/operator must use fuel that complies with 40 CFR 80.510(a). This means that the fuel must have a sulfur content of 500 parts per million (ppm) maximum, a cetane index of 40 or a maximum aromatic content of 35 volume percent. This requirement is obsolete and been superseded by a requirement as described below.

Section 60.4207(b) requires that by October 1, 2010, the owner/operator must use fuel that complies with 40 CFR 80.510(b). This means that the

fuel must have a sulfur content of 15 parts per million (ppm) maximum, and the same cetane index or aromatic content. Condition 4 of the requirements for permit unit C-6048-25-1, -27-1 & -28-1 ensure compliance with this section.

Section 60.4209(a) requires a non-resettable hour meter. This requirement is already in the standard permit conditions. Condition 5 of the requirements for permit unit C-6048-25-1, condition 3 of the requirements for permit unit C-6048-27-1 & -28-1 ensure compliance with this section.

Section 60.4211(c) requires that owner or operator must comply with the emission standards specified in §60.4204(b) or §60.4205(b), or §60.4205(c) for fire pump engine by purchasing an engine certified to the emission standards in §60.4204(b), or §60.4205(b) or (c), as applicable. These engine will comply with the requirements of Section 60.4211(c) because these engines have been certified in accordance with 40 CFR Part 89.

Section 60.4211(f) requires that emergency stationary ICE operate for maintenance, testing, and required regulatory purposes for a maximum of 100 hours per calendar year. Condition 9 of the requirements for permit unit C-6048-25-1, condition 12 of the requirements for permit unit C-6048-27-1 & -28-1 ensure compliance with this section.

The owner/operator is not required to perform tests in accordance with Section 60.4212 or 60.4213.

Section 60.4214 states that owner/operators do not have to submit an initial notification to EPA for emergency engines.

Because the engine does not have a diesel particulate filter, it is not subject to Section 60.4214(c).

12.40 CFR Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

- a. 74 BHP JCB Diesel IC Engine Powering a Trommel Screen (C-6048-29-1)

This subpart applies to *stationary* diesel engines. The definition of *stationary* IC Engines in this subpart excludes *non - road* engines as defined in 40 CFR 1068.30. The engine in permit unit C-6048-29-1 is *non - road*. Therefore, this subpart is not applicable.

- b. Emergency IC Engines (C-6048-25-1 -27-1, & -28-1)

The requirements of 40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, are applicable to owners and operators of a stationary

RICE located at a major or area source of HAP emissions. This facility is not a major source of HAP emissions and is therefore, by definition, and area source of HAP emissions. Therefore, the requirements of this subpart are applicable to these engines.

These engines comply with the NESHAPS by complying with NSPS, Subpart IIII, per Section 63.6590 (C) (1) of the NESHAPS40 CFR 63, Subpart ZZZZ.

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 Operating 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

a. SJV-UM-0-3, Facility-Wide Umbrella General Permit Template

By submitting model general permit template SJV-UM-0-3, the applicant has requested that a permit shield be granted for all the applicable requirements identified by the template. Therefore, the permit shield, as granted in the model general template is included as condition 39 and 40 of the facility wide requirements (C-6048-0-0).

XI. PERMIT CONDITIONS

See attached Operating Permits.

San Joaquin Valley Air Pollution Control District

FACILITY: C-6048-0-0

EXPIRATION DATE: 01/31/2020

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, 9.8.1 and 9.13.1] Federally Enforceable Through Title V Permit
6. {4367} A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. {4368} Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. {4369} The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: TULARE LAKE COMPOST
Location: 34318 23RD AVE, KETTLEMAN CITY, CA 93239
C-6048-0-0: Nov 21 2018 10:16AM - SRANK

9. {4370} The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
10. {4371} The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1] Federally Enforceable Through Title V Permit
11. {4372} Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520 (6/21/01). [District Rules 2520, 9.5.2 and 1100, 7.0] Federally Enforceable Through Title V Permit
12. {4373} If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.7] Federally Enforceable Through Title V Permit
13. {4374} It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.8.2] Federally Enforceable Through Title V Permit
14. {4375} The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3] Federally Enforceable Through Title V Permit
15. {4376} The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4] Federally Enforceable Through Title V Permit
16. {4377} The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5] Federally Enforceable Through Title V Permit
17. {4378} The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9] Federally Enforceable Through Title V Permit
18. {4379} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.13.2.1] Federally Enforceable Through Title V Permit
19. {4380} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.13.2.2] Federally Enforceable Through Title V Permit
20. {4381} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3] Federally Enforceable Through Title V Permit
21. {4382} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4] Federally Enforceable Through Title V Permit

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

22. {4383} No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
23. {4384} No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. {4385} All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. {4386} The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. {4387} With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. {4388} If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. {4389} If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
29. {4390} Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8021] 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 Rules 8011 and 8031] 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 Rules 8011 and 8041] 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 Rules 8011 and 8051] 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 Rules 8011 and 8061] Federally Enforceable Through Title V Permit

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

34. {4395} Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8071] 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. The permittee shall have complete control of the property defined within the following UTM (NAD83) coordinates: 238829.3, 3985339; 240423.1, 3985280; 240299.3, 3981543; 240037, 3981672; 238705.6, 3981944. The Tulare Lake Compost Facility boundary is defined within the following UTM (NAD83) coordinates: 238829.3, 3985339; 240423.1, 3985280; 240390.3, 39844333; and 2388780.6, 3984366. [District Rule 2201] Federally Enforceable Through Title V Permit
42. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
43. On MMMM DD, YYYY, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin MMMM DD of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-6048-7-5

EXPIRATION DATE: 01/31/2020

EQUIPMENT DESCRIPTION:

NORTH CO-COMPOSTING FEEDSTOCKS MIXING OPERATION IN AN ENCLOSED BUILDING SERVED BY BIOFILTER(S), INCLUDES 600 CUBIC YARD BIOSOLIDS RECEIVING/STORAGE CAPACITY; AND AN OUTDOOR CONVEYING OPERATION THAT INCLUDES FOUR COMPOST CONVEYOR TRAINS WITH A 209 CUBIC YARD TOTAL HOLDING CAPACITY

PERMIT UNIT REQUIREMENTS

1. Agricultural (Ag) Waste is vegetative crop residue, consisting of but not limited to: harvested trees, orchard and vineyard prunings, vegetable by-products from farming, residual fruits, vegetables, and other crop remains after usable crop is harvested. Agricultural waste does not include manure or biosolids, processed residues from canneries, wineries, or other industrial sources. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Biosolids are the solid, semisolid, or liquid material obtained from wastewater, often used as fertilizer. Biosolids include, but are not limited to animal manure, treated domestic septage and scum or solids removed in primary, secondary, or advanced wastewater treatment processes. Biosolids do not include ash or grit and screenings generated during the preliminary treatment of domestic sewage in a treatment works. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Bulking Agent is a constituent of the compost feedstock, consisting of Ag Waste and/or Green Waste. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Compost Material consists of Bulking Agent, Biosolids, Active-Phase Compost, Maturation-Phase Compost, Curing-Phase Compost, or any combination thereof. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Feedstocks are composting raw materials, including Bulking Agents (Ag Waste and Green Waste) and Biosolids. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Green Waste is urban landscape waste, consisting of but not limited to: grass clippings, weeds, tree and shrub trimmings, wood waste, branches and stumps, home garden residues, and other plant remains. Green waste does not include manure or Biosolids, processed residues from canneries, wineries, or other industrial sources. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The total quantity of biosolids received at this facility shall not exceed either of the following limits: 4,200 wet-ton/day or 500,000 wet-ton/year. [District Rule 2201 and California Environmental Quality Act] Federally Enforceable Through Title V Permit
8. The total quantity of feedstocks mixed at this facility shall not exceed either of the following limits: 11,350 wet-ton/day or 1,351,351 wet-ton/year. [District Rule 2201] Federally Enforceable Through Title V Permit
9. All VOC and NH₃ emissions generated inside the mixing building shall be vented to the mixing building biofilter(s). [District Rule 2201] Federally Enforceable Through Title V Permit
10. The VOC and NH₃ control efficiencies across the biofilter shall not be less than 80% and 90% respectively. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Facility-wide Compost Material emissions shall not exceed either of the following limits: 882.5 lb-VOC/day or 4,246.5 lb-NH₃/day. [District Rule 2201] Federally Enforceable Through Title V Permit

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

12. Facility-wide Compost Material emissions shall not exceed either of the following limits: 184,972 lb-VOC/year or 1,545,771 lb-NH₃/year. [District Rule 2201] 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 exhaust duct(s) to each biofilter shall be equipped with safe, accessible, permanent provisions to allow collection of gas samples consistent with applicable test methods. [District Rule 1081] Federally Enforceable Through Title V Permit
15. A source test to demonstrate compliance with the biofilter VOC daily emissions limit (DEL) and control efficiency shall be made within 60 days of replacement of spent media which requires more than 50% of the biofilter media to be replaced. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
16. Source testing for VOC and NH₃ on one District approved mixing building biofilter inlet shall be performed using SCAQMD methods 25.3, 207.1, 1.1, 1.2, 2.1, 2.2, 2.3, 3.1 and 4.1, and/or other District approved methods. Source testing at the biofilter outlet (or surface) shall be performed using the EPA Flux Chamber Method, SCAQMD methods 25.3 and 207.1, and/or other District approved methods. [District Rule 2201] Federally Enforceable Through Title V Permit
17. District approved independent testing lab(s) shall perform the source testing. [District Rule 2201] Federally Enforceable Through Title V Permit
18. All source testing shall take place under conditions considered representative of normal source operation. [District Rule 2201] Federally Enforceable Through Title V Permit
19. For source testing purposes of the biosolids, the permittee shall use the mixing building biofilter inlet and SCAQMD methods 25.3, 207.1, 1.1, 1.2, 2.1, 2.2, 2.3, 3.1 and 4.1, and/or other District approved methods. [District Rule 2201] Federally Enforceable Through Title V Permit
20. The source test summary shall include the VOC and NH₃ mass emission rates (lb-pollutant/wet-ton-hr) from the mixing building biofilter(s), the VOC and NH₃ control efficiencies for each tested mixing building biofilter, VOC and NH₃ mass emission rates (lb-pollutant/wet-ton-hr) from the stored biosolids, and the amount (wet-ton) of each type of feedstock in the mixing building during testing. [District Rule 2201] Federally Enforceable Through Title V Permit
21. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
22. The portable analyzer(s) shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations. [District Rule 2201] Federally Enforceable Through Title V Permit
23. No measurable increase over background levels of VOC outside the mixing building shall occur at any mixing building opening including any opening that occurs briefly for access or maintenance. [District Rule 2201] Federally Enforceable Through Title V Permit
24. VOC emissions to verify the capture efficiency of the mixing building shall be measured according to the approved monitoring plan within 60 days after District approval of the mixing building monitoring plan, and once every 24 months thereafter. [District Rule 2201] Federally Enforceable Through Title V Permit
25. The permittee shall measure the concentrations of VOC and NH₃ emissions from the mixing building biofilter surfaces according to the approved monitoring plan during the initial source test and at least once every month thereafter. [District Rule 2201] Federally Enforceable Through Title V Permit
26. If either the VOC or NH₃ concentrations, as measured by the portable analyzer(s), exceed the allowable emission limits, the permittee shall notify the District within the 24 hours and submit a plan of action to return the emissions to their normal levels. 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 Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

27. All biofilter(s) shall be equipped with either an operational humidification or moisture addition system capable of maintaining suitable biofilter media moisture content. [District Rule 2201] Federally Enforceable Through Title V Permit
28. The biofilter(s) humidifier or sprinkler systems shall be used as needed to maintain biofilter media moisture content within a suitable operating range. [District Rule 2201] Federally Enforceable Through Title V Permit
29. The biofilter(s) shall be visually checked weekly for compaction, channeling (cracks), unreasonable vegetative growth or noticeable increase in detectable odors. [District Rule 2201] Federally Enforceable Through Title V Permit
30. The permittee shall keep daily and annual records of the facility-wide Compost Materials VOC and NH₃ emissions (lb-pollutant/day and lb-pollutant/year) based on the following equation: Facility-Wide Compost Materials Emissions = Outdoor Bulking Agent Emissions (C-6048-1) + Indoor Biosolids Receiving/Storage Emissions (C-6048-7) + Indoor Feedstocks Mixing Emissions (C-6048-7) + Compost Piles Emissions (C-6048-19). [District Rule 2201] Federally Enforceable Through Title V Permit
31. The permittee shall keep daily records of the total VOC and NH₃ emissions from Biosolids Receiving/Storage, based on the following equation: Biosolids emissions (lb/day) = Biosolids throughput (wet-ton/day) x (1 - Mixing Building Biofilter Control Efficiency) x Uncontrolled Biosolids Emission Factor (lb/wet-ton). [District Rule 2201] Federally Enforceable Through Title V Permit
32. The permittee shall keep daily records of the total VOC and NH₃ emissions from Indoor Feedstocks Mixing, based on the following equation: Indoor Feedstocks Mixing (lb/day) = Uncontrolled Mixed Feedstocks Emission Factor (lb/wet-ton) x (1 - Mixing Building Biofilter Control Efficiency) x Daily Throughput (wet-ton/day). [District Rule 2201] Federally Enforceable Through Title V Permit
33. The Uncontrolled Mixed Feedstocks Emission Factors are 0.00795 lb-VOC/wet-ton and 0.0841 lb-NH₃/wet-ton, the Uncontrolled Biosolids Emission Factors are 0.003 lb-VOC/wet-ton and 0.031 lb-NH₃/wet-ton, and the Biofilter Control Efficiencies for VOC and NH₃ are 80% and 90% respectively. [District Rule 2201] Federally Enforceable Through Title V Permit
34. The permittee shall maintain records of: (1) the date and time of VOC and NH₃, monitoring measurements, (2) make and model of the portable analyzer(s), (3) portable analyzer calibration records, (4) a description of any corrective action taken to maintain the emissions within the acceptable range, and (5) mixing building Capture Efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
35. The permittee shall submit all mixing building Capture Efficiency monitoring results to the District for approval. [District Rule 2201] Federally Enforceable Through Title V Permit
36. The permittee shall keep monthly records of visual biofilter inspections and actions taken to correct compaction, channeling, unreasonable vegetative growth or a noticeable increase in odors, including date of inspection and date actions were taken to correct problem(s). [District Rule 2201] Federally Enforceable Through Title V Permit
37. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 2520 and 1070] Federally Enforceable Through Title V Permit

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

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-6048-19-5

EXPIRATION DATE: 01/31/2020

EQUIPMENT DESCRIPTION:

CO-COMPOSTING OPERATION INCLUDING ACTIVE-PHASE, MATURATION PHASE AND CURING-PHASE POSITIVE AERATED COMPOST PILES ALL WITH GORE COVERS

PERMIT UNIT REQUIREMENTS

1. Agricultural (Ag) Waste is vegetative crop residue, consisting of but not limited to: harvested trees, orchard and vineyard prunings, vegetable by-products from farming, residual fruits, vegetables, and other crop remains after usable crop is harvested. Agricultural waste does not include manure or biosolids, processed residues from canneries, wineries, or other industrial sources. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Biosolids are the solid, semisolid, or liquid material obtained from wastewater, often used as fertilizer. Biosolids include, but are not limited to animal manure, treated domestic septage and scum or solids removed in primary, secondary, or advanced wastewater treatment processes. Biosolids do not include ash or grit and screenings generated during the preliminary treatment of domestic sewage in a treatment works. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Bulking Agent is a constituent of the compost feedstock, consisting of Ag Waste and/or Green Waste. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Compost Material consists of Bulking Agent, Biosolids, Active-Phase Compost, Maturation-Phase Compost, Curing-Phase Compost, or any combination thereof. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Feedstocks are composting raw materials, including Bulking Agents (Ag Waste and Green Waste) and Biosolids. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Green Waste is urban landscape waste, consisting of but not limited to: grass clippings, weeds, tree and shrub trimmings, wood waste, branches and stumps, home garden residues, and other plant remains. Green waste does not include manure or Biosolids, processed residues from canneries, wineries, or other industrial sources. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Facility-wide Compost Material emissions shall not exceed either of the following limits: 882.5 lb-VOC/day or 4,246.5 lb-NH₃/day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Facility-wide Compost Material emissions shall not exceed either of the following limits: 184,972 lb-VOC/year or 1,545,771 lb-NH₃/year. [District Rule 2201] Federally Enforceable Through Title V Permit
9. All compost shall meet at least one of the following stability criteria prior to leaving the cure-phase piles: 1) The compost emits no more than four (4) mg CO₂-C per gram of organic material per day (per TMECC Method 05-08-B), 2) The compost has a Solvita Maturity Index of 7 or greater (per TMECC Method 05-08-E), or 3) The material has been composted at least 40 consecutive calendar days after the active-phase composting period. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
10. All piles shall be covered with a waterproof covering (GORE cover) within 3 hours after the pile is constructed. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. 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
12. Source testing for VOC and NH₃ emissions shall be performed on at least one District-approved compost pile from each phase (active, maturation, and curing). Source testing at the pile surface (uncontrolled) and cover surface (controlled) shall be performed using the EPA Flux Chamber Method, SCAQMD methods 25.3 and 207.1, and/or other District approved methods. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
13. Source testing shall be conducted every 15 months. After demonstrating compliance on two consecutive source tests, the source test frequency shall be not less than once every 27 months. If the result of the 27-month source test demonstrates non-compliance, the source testing frequency shall revert to at least once every 15 months. Successive source testing shall be conducted during each season of the year (e.g. 1st test: Spring, 2nd test: Summer, 3rd test: Fall, 4th test: Winter, 5th test: Spring, etc). [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
14. For compost pile source test purposes, each tested pile shall be divided into 16 areas with the sampling and measuring points located as far as practical in the middle of each area. Nine sampling and measuring locations with representative, average airflow rates will be selected for VOC and NH₃ sampling for each pile surface. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
15. District approved independent testing lab(s) shall perform the source testing. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
16. All source testing shall take place under conditions considered representative of normal source operation. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
17. The source test summary shall include the following Active-Phase flux emission factors for VOC and NH₃ (in lb/wet-ton of Compost): Active-Phase pile surface (uncontrolled), and Active-Phase cover surface (controlled). [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
18. The source test summary shall include the following Mature-Phase flux emission factors for VOC and NH₃ (in lb/wet-ton of Compost): Mature-Phase pile surface (uncontrolled), and Mature-Phase cover surface (controlled). [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
19. The source test summary shall include the following Cure-Phase flux emission factors for VOC and NH₃ (in lb/wet-ton of Compost): Cure-Phase pile surface (uncontrolled), and Cure-Phase cover surface (controlled). [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
20. The source test summary shall include the following for VOC and NH₃ emissions: The total controlled compost mass emission rates (lb/day) and the weight of each tested pile (lb/wet-ton). [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
21. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
22. The permittee shall conduct maintenance inspections of the cover each time a cover is placed on a compost pile. Any tears or other abnormalities in the cover that could jeopardize the ability of the cover to act as an air pollution control device shall be repaired immediately or the cover shall be replaced. The permittee shall conduct an inspection of the blower and air distribution system prior to commencing construction of a compost pile. Any abnormalities that impact the ability of the air distribution system to provide air to the compost pile shall be repaired prior to constructing the pile. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
23. The portable analyzer(s) shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
24. The permittee shall measure the concentrations of VOC and NH₃ emissions from the compost pile surfaces according to the approved monitoring plan during the initial source test and at least once every month thereafter. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit

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

25. If either the VOC or NH₃ concentrations, as measured by the portable analyzer(s), exceed the allowable emission limits, the permittee shall notify the District within the 24 hours and submit a plan of action to return the emissions to their normal levels. 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 requirements of this condition. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
26. The permittee shall keep daily and annual records of the facility-wide Compost Materials VOC and NH₃ emissions (lb-pollutant/day and lb-pollutant/year) based on the following equation: Facility-Wide Compost Materials Emissions = Outdoor Bulking Agent Emissions (C-6048-1 and C-6048-2) + Indoor Biosolids Receiving/Storage Emissions (C-6048-7 and C-6048-8) + Indoor Feedstocks Mixing Emissions (C-6048-7 and C-6048-8) + Outdoor Compost Conveying Emissions (C-6048-7 and C-6048-8) + Compost Piles Emissions (C-6048-19). [District Rule 2201] Federally Enforceable Through Title V Permit
27. The permittee shall keep daily records of the VOC and NH₃ emissions from the Compost Piles (Active + Mature + Curing Phases), based on the following equation: Compost Piles Emissions (lb/day) = [(Total Active-Phase Controlled Compost Emission Factor (lb/wet-ton) x Total Active-Phase Piles Weight (wet-ton)) + (Total Mature-Phase Controlled Compost Emission Factor (lb/wet-ton) x Total Mature-Phase Piles Weight (wet-ton)) + (Total Cure-Phase Controlled Compost Emission Factor (lb/wet-ton) x Total Cure-Phase Piles Weight (wet-ton))]. [District Rule 2201] Federally Enforceable Through Title V Permit
28. When available, the Emission Factors utilized in the emissions equations shall be the average numbers from the latest source test during that season (i.e. emissions calculations during the Summer shall be based on the latest Summer source test). All source test results shall be submitted to the District for approval of the Emission Factors. [District Rule 2201] Federally Enforceable Through Title V Permit
29. The permittee shall maintain records of: (1) the date and time of VOC and NH₃, monitoring measurements, (2) make and model of the portable analyzer(s), (3) portable analyzer calibration records, and (4) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
30. The permittee shall keep records to verify all finished compost meets the required stability criteria. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
31. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and 4565] Federally Enforceable Through Title V Permit

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

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**San Joaquin Valley
Air Pollution Control District**

PERMIT UNIT: C-6048-20-4

EXPIRATION DATE: 01/31/2020

EQUIPMENT DESCRIPTION:
FINISHED COMPOST TRUCK LOADOUT OPERATIONS

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PERMIT UNIT REQUIREMENTS

1. Visible emissions from the compost loadout operation shall not exceed 5% opacity. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
2. Water sprays shall be used, as needed, to ensure visible emissions from the compost loadout operation does not exceed 5% opacity. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
3. The compost loadout throughput of this facility shall not exceed either of the following limits: 7,400 wet-ton/day or 900,000 wet-ton/year. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Emissions from the compost loadout operation shall not exceed 0.0003 lb-PM10/wet-ton. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Permittee shall keep daily and annual records of the amount of compost loaded out, in wet-tons. [District Rule 2201] Federally Enforceable Through Title V Permit
6. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 2520 and 1070] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-6048-21-5

EXPIRATION DATE: 01/31/2020

EQUIPMENT DESCRIPTION:

GASOLINE DISPENSING OPERATION WITH ONE 11,000 GALLON SPLIT (1,000 GALLON GASOLINE/10,000 GALLON DIESEL) FIREGUARD ABOVEGROUND STORAGE TANK SERVED BY MORRISON BROTHERS EVR PHASE I VAPOR RECOVERY SYSTEM (VR-402-B), STANDING LOSS CONTROL (VR-302-E), AND 1 FUELING POINT WITH 1 GASOLINE DISPENSING NOZZLE SERVED BY BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-162-A)

PERMIT UNIT REQUIREMENTS

1. The Phase I, Phase II, and Standing Loss Control Vapor recovery systems shall be installed and maintained in accordance with the manufacturer specifications and the ARB Executive Orders specified in this permit, including applicable rules and regulations of the Division of Measurement Standards of the Department of Food and Agriculture, the Office of the State Fire Marshal of the Department of Forestry and Fire Protection, the Division of Occupational Safety and Health of the Department of Industrial Relations, and the Division of Water Quality of the State Water Resources Control Board that have been made conditions of the certification. [District Rules 4621 and 4622 and CH&SC 41950] Federally Enforceable Through Title V Permit
2. This gasoline storage and dispensing equipment shall not be used in retail sales, where gasoline dispensed by the unit is subject to payment of California sales tax on gasoline sales. [District Rule 4622] Federally Enforceable Through Title V Permit
3. The storage container(s) shall be installed, maintained, and operated such that they are leak-free. [District Rule 4621] Federally Enforceable Through Title V Permit
4. The Phase I and Phase II vapor recovery systems and gasoline dispensing equipment shall be maintained without leaks as determined in accordance with the test method specified in this permit. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
5. A leak is defined as the dripping of VOC-containing liquid at a rate of more than three (3) drops per minute, or the detection of any gaseous or vapor emissions with a concentration of total organic compound greater than 10,000 ppmv, as methane, above background when measured in accordance with EPA Test Method 21. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
6. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo container, which attest to the vapor integrity of the container. [District Rule 4621] Federally Enforceable Through Title V Permit
7. No person shall operate any ARB certified Phase II vapor recovery system or any portion thereof that has a major defect or an equipment defect that is identified in any applicable ARB Executive Order until the following conditions have been met: 1) the defect has been repaired, replaced, or adjusted as necessary to correct the defect; 2) the District has been notified, and the District has reinspected the system or authorized the system for use (such authorization shall not include the authority to operate the equipment prior to the correction of the defective components); and 3) all major defects, after repair, are duly entered into the Operations and Maintenance (O&M) manual. [District Rule 4622] Federally Enforceable Through Title V Permit

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

8. Upon identification of any major defects, the permittee shall tag "Out-of-Order" all dispensing equipment for which vapor recovery has been impaired. Tagged equipment shall be rendered inoperable and the tag(s) shall not be removed until the defective equipment has been repaired, replaced, or adjusted, as necessary. In the case of defects identified by the District, tagged equipment shall be rendered inoperable, and the tag shall not be removed until the District has been notified of the repairs, and the District has either reinspected the system or authorized the tagged equipment for use. [District Rule 4622] Federally Enforceable Through Title V Permit
9. The permittee shall implement a periodic maintenance inspection program for the certified Phase II vapor recovery system consistent with the requirements of this permit. The program shall be documented in an operation and maintenance (O&M) manual and shall at a minimum contain the following information: 1) copies of all vapor recovery performance tests; 2) all applicable ARB Executive Orders, Approval Letters, and District Permits; 3) the manufacturer's specifications and instructions for installation, operation, repair, and maintenance required pursuant to ARB Certification Procedure CP-201, and any additional instruction provided by the manufacturer; 4) system and/or component testing requirements, including test schedules and passing criteria for each of the standard tests required by this permit (the owner/operator may include any non-ARB required diagnostic and other tests as part of the testing requirements), and 5) additional O&M instructions, if any, that are designed to ensure compliance with the applicable rules, regulations, ARB Executive Orders, and District permit conditions, including replacement schedules for failure or wear prone components. [District Rule 4622] Federally Enforceable Through Title V Permit
10. The permittee shall conduct periodic maintenance inspections based on the greatest monthly throughput of gasoline dispensed by the facility in the previous year as follows: A) less than 2,500 gallons - one day per month; B) 2,500 to less than 25,000 gallons - one day per week; or C) 25,000 gallons or greater - five days per week. All inspections shall be documented within the O & M Manual. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
11. Periodic maintenance inspections of the Phase I vapor recovery system shall include, at a minimum, verification that 1) the fill caps and vapor caps are not missing, damaged, or loose; 2) the fill cap gasket and vapor cap gaskets are not missing or damaged; 3) the fill adapter and vapor adapter are securely attached to the risers; 4) where applicable, the spring-loaded submerged fill tube seals properly against the coaxial tubing; 5) the dry break (poppet-valve) is not missing or damaged; and 6) the submerged fill tube is not missing or damaged. [District Rule 4621] Federally Enforceable Through Title V Permit
12. Periodic maintenance inspections of the Phase II vapor recovery system shall include, at a minimum, verification that 1) the following nozzle components are in place and in good condition as specified in ARB Executive Order as applicable: faceplate/facecone, bellows, latching device spring, vapor check valve, spout (proper diameter/vapor collection holes), insertion interlock mechanism, automatic shut-off mechanism, and hold open latch (unless prohibited by law or the local fire control authority); 2) the hoses are not torn, flattened or crimped; 3) the vapor path of the coaxial hoses associated with bellows equipped nozzles does not contain more than 100 ml of liquid if applicable; and 4) the vapor processing unit is functioning properly, for operations that are required to have or possess such a unit. [District Rule 4622] Federally Enforceable Through Title V Permit
13. In the event of a separation due to a drive off, the permittee shall, unless otherwise specified in the applicable ARB Executive Order, conduct a visual inspection of the affected equipment and either 1) perform qualified repairs on any damaged components and conduct applicable re-verification tests pursuant to the requirements of this permit, or 2) replace the affected nozzles, coaxial hoses, breakaway couplings, and any other damaged components with new or certified rebuilt components that are ARB certified. The activities shall be documented in accordance with the requirements of this permit before placing the affected equipment back in service. [District Rule 4622] Federally Enforceable Through Title V Permit
14. The gasoline throughput for this permit unit shall not exceed 365,000 gallons in any one calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The permittee shall conduct all periodic vapor recovery system performance tests specified in this permit, no more than 30 days before or after the required compliance testing date, unless otherwise required under the applicable ARB Executive Order. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit

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

16. The permittee shall perform and pass a Static Leak Test "Determination of Static Pressure Performance of Vapor Recovery Systems at Gasoline Dispensing Facilities with Aboveground Tanks" in accordance with the Executive Order specified in this permit for the Phase I Vapor Recovery System at least once every 12 months. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
17. For certified Phase II vapor recovery systems with liquid removal devices, the permittee shall perform and pass an ARB TP-201.6C Liquid Removal Test whenever the liquid in the vapor path exceeds 100 ml of liquid, or as required by the applicable ARB Executive Order. The amount of liquid in the vapor path shall be measured by lowering the gasoline dispensing nozzle into a container until such time that no more liquid drains from the nozzle. The amount of liquid drained into the container shall be measured using a graduated cylinder or graduated beaker. The vapor path shall be inspected according to the monitoring frequency as determined by monthly gasoline throughput. [District Rule 4622] Federally Enforceable Through Title V Permit
18. If a Liquid Condensate Trap is installed, the permittee shall perform and pass a Liquid Condensate Trap Compliance Test using the test procedure defined in the Executive Order specified in this permit for the Phase II Vapor Recovery System at least once every 12 months. [District Rule 4622]
19. If a Liquid Condensate Trap is installed it shall be (1) maintained without leaks; (2) accessible for inspection upon request; (3) capable of automatic evacuation of liquid; and (4) equipped with an alarm system in case of failure of the evacuation system. [District Rule 4622] Federally Enforceable Through Title V Permit
20. A person conducting testing of, or repairs to, a certified vapor recovery system shall be in compliance with District Rule 1177 (Gasoline Dispensing Facility Tester Certification). [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
21. A person performing installation of, or maintenance on, a certified Phase I or Phase II vapor recovery system shall be certified by the ICC for Vapor Recovery System Installation and Repair, or work under the direct and personal supervision of an individual physically present at the work site who is certified. The ICC certification shall be renewed every 24 months. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
22. Proof of the ICC certification and all other certifications required by the Executive Order and installation and operation manual shall be made available onsite. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
23. The permittee shall notify the District at least 7 days prior to each performance test. The test results shall be submitted to the District no later than 30 days after the completion of each test. [District Rule 4621] Federally Enforceable Through Title V Permit
24. The permittee shall maintain a copy of all test results. The test results shall be dated and shall contain the name, address, and telephone number of the company responsible for system installation and testing. [District Rule 4622] Federally Enforceable Through Title V Permit
25. The permittee shall maintain on the premises a log of any repairs made to the certified Phase I or Phase II vapor recovery system. The repair log shall include the following: 1) date and time of each repair; 2) the name and applicable certification numbers of the person(s) who performed the repair, and if applicable, the name, address and phone number of the person's employer; 3) description of service performed; 4) each component that was repaired, serviced, or removed; 5) each component that was installed as replacement, if applicable; and 6) receipts or other documents for parts used in the repair and, if applicable, work orders which shall include the name and signature of the person responsible for performing the repairs. [District Rule 4622] Federally Enforceable Through Title V Permit
26. The O&M manual shall be kept at the dispensing operation and made available to any person who operates, inspects, maintains, repairs, or tests the equipment at the operation as well as to District personnel upon request. [District Rule 4622] Federally Enforceable Through Title V Permit
27. The permittee shall maintain monthly and annual gasoline throughput records. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
28. All records required by this permit shall be retained on-site for a period of at least five years and shall be made available for District inspection upon request. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-6048-25-1

EXPIRATION DATE: 01/31/2020

EQUIPMENT DESCRIPTION:

96 BHP DEUTZ FIRE PROTECTION MODEL DFP4 2012 T15 TIER 2 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP

PERMIT UNIT REQUIREMENTS

1. This engine shall be equipped with either a positive crankcase ventilation (PCV) system that recirculates crankcase emissions into the air intake system for combustion, or a crankcase emissions control device of at least 90% control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. {1898} 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]
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4801, 17 CCR 93115, 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed any of the following limits: 4.8 g-NOx/bhp-hr, 0.6 g-CO/bhp-hr, or 0.1 g-VOC/bhp-hr. [District Rule 2201, 13 CCR 2423, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed 0.09 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201, 4102 and 13 CCR 2423, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
9. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems". Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
10. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

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

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

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-6048-27-1

EXPIRATION DATE: 01/31/2020

EQUIPMENT DESCRIPTION:

563 BHP (INTERMITTENT) CATERPILLAR MODEL C15 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE
POWERING A FIRE PUMP STATION 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. {1898} The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115, and 40 CFR 60 Subpart IIII] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4801, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 2.62 g-NOx/bhp-hr, 2.24 g-CO/bhp-hr, or 0.14 g-VOC/bhp-hr. [District Rule 2201, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII]
6. Emissions from this IC engine shall not exceed 0.14 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. For units at unstaffed sites or operated remotely, records may be maintained and retained at a District-approved off-site location. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rule 4702, 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
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 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-6048-28-1

EXPIRATION DATE: 01/31/2020

EQUIPMENT DESCRIPTION:

636 BHP (INTERMITTENT) CATERPILLAR MODEL C15 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL 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. {1898} The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115, and 40 CFR 60 Subpart IIII] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4801, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 2.62 g-NOx/bhp-hr, 2.24 g-CO/bhp-hr, or 0.14 g-VOC/bhp-hr. [District Rule 2201, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.14 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

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

11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rule 4702, 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
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 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

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

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-6048-29-1

EXPIRATION DATE: 01/31/2020

EQUIPMENT DESCRIPTION:

FINISHED COMPOST SCREENING WITH TRANSPORTABLE TROMMEL SCREEN POWERED BY A 74 BHP JCB MODEL 444 TAF-55/1 TIER 4 FINAL CERTIFIED DIESEL IC ENGINE

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. This prohibition shall not apply to odors emanating from composting operations, which are not under the jurisdiction of the San Joaquin Valley Air Pollution Control District. [District Rule 4102 and CH&SC 41705 (a)(2)]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93116] Federally Enforceable Through Title V Permit
4. Excluding time spent in storage, this engine shall not reside at one location (i.e. footprint) at this site for more than 12 consecutive months. [District Rules 2201 and 4701 and 17 CCR 93116] Federally Enforceable Through Title V Permit
5. Operation of the internal combustion engine powering the trommel screen shall not exceed 4,160 hours per calendar year. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed any of the following limits: 2.8 g-NO_x/bhp-hr, 1.2 g-CO/bhp-hr, or 0.15 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93116] Federally Enforceable Through Title V Permit
7. PM₁₀ emissions shall not exceed 0.022 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201, 4102, and 4702 and 17 CCR 93116] Federally Enforceable Through Title V Permit
8. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4702, and 4801, and 17 CCR 93116] Federally Enforceable Through Title V Permit
9. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
10. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
11. Visible emissions from screening finished compost shall not exceed 5% opacity for a period or periods aggregating more than three (3) minutes in any one (1) hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
12. Emissions from the material screening operation shall not exceed 0.003 lb-PM₁₀/wet-ton. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The amount of finished compost screened shall not exceed 600 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. The owner/operator 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 of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702] Federally Enforceable Through Title V Permit
15. The operator shall maintain a daily record of the tons of finished compost screened. Tonnage values may be calculated from volume and density measurements. [District Rule 1070] Federally Enforceable Through Title V Permit
16. The operator shall keep a record of the annual hours of operation of the IC engine. [District Rule 1070] Federally Enforceable Through Title V Permit
17. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

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

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-6048-30-1

EXPIRATION DATE: 01/31/2020

EQUIPMENT DESCRIPTION:

COMPOSTING FEEDSTOCK MATERIAL HAULING, MIXING, AND PILE BUILDING OPERATION (POWERED BY A PERMIT-EXEMPT ROTO-MIX TRUCK)

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. This prohibition shall not apply to odors emanating from composting operations, which are not under the jurisdiction of the San Joaquin Valley Air Pollution Control District. [District Rule 4102 and CH&SC 41705 (a)(2)]
2. The amount of materials transported by the Roto-Mix truck shall not exceed 340 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
3. PM10 emissions from loading composting feedstock materials into the Roto-Mix truck shall not exceed 0.003 lb-PM10/wet ton. [District Rule 2201] Federally Enforceable Through Title V Permit
4. PM10 emissions from mixing composting feedstock materials in the Roto-Mix truck shall not exceed 0.003 lb-PM10/wet ton. [District Rule 2201] Federally Enforceable Through Title V Permit
5. PM10 emissions from pile building operations or unloading of composting feedstock material from the Roto-Mix truck shall not exceed 0.003 lb-PM10/wet ton. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The operator shall maintain a daily record of the tons of material transported by the Roto-Mix truck. Tonnage values may be calculated from volume and density measurements. [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
7. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit

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

Attachment A

Equipment Listing

Detailed Facility Report
For Facility=6048
Sorted by Facility Name and Permit Number

TULARE LAKE COMPOST 34318 23RD AVE KETTLEMAN CITY, CA 93239	FAC # STATUS: TELEPHONE:	C 6048 A	TYPE: TOXIC ID:	TitleV 52003	EXPIRE ON: AREA: INSP. DATE:	01/31/2020 9 / 308 01/17
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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-6048-7-4	3,600 hp (electric)	3020-01 H	1	1,183.00	1,183.00	A	NORTH CO-COMPOSTING FEEDSTOCKS MIXING OPERATION IN AN ENCLOSED BUILDING SERVED BY BIOFILTER(S), INCLUDES 600 CUBIC YARD BIOSOLIDS RECEIVING/STORAGE CAPACITY; AND AN OUTDOOR CONVEYING OPERATION THAT INCLUDES TWO COMPOST CONVEYOR TRAINS WITH A 105 CUBIC YARD TOTAL HOLDING CAPACITY
C-6048-19-3	4,160 hp (electric)	3020-01 H	1	1,183.00	1,183.00	A	CO-COMPOSTING OPERATION INCLUDING ACTIVE-PHASE, MATURATION PHASE AND CURING-PHASE POSITIVE AERATED COMPOST PILES ALL WITH GORE COVERS
C-6048-20-3	Misc.	3020-06	1	122.00	122.00	A	FINISHED COMPOST TRUCK LOADOUT OPERATIONS
C-6048-21-4	1 nozzle	3020-11 A	1	40.00	40.00	A	GASOLINE DISPENSING OPERATION WITH ONE 11,000 GALLON SPLIT (1,000 GALLON GASOLINE/10,000 GALLON DIESEL) FIREGUARD ABOVEGROUND STORAGE TANK SERVED BY MORRISON BROTHERS EVR PHASE I VAPOR RECOVERY SYSTEM (VR-402-B), STANDING LOSS CONTROL (VR-302-E), AND 1 FUELING POINT WITH 1 GASOLINE DISPENSING NOZZLE SERVED BY BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-162-A)
C-6048-25-0	96 BHP	3020-10 A	1	93.00	93.00	A	96 BHP DEUTZ FIRE PROTECTION MODEL DFP4 2012 T15 TIER 2 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP
C-6048-27-0	563 bhp	3020-10 D	1	551.00	551.00	A	563 BHP (INTERMITTENT) CATERPILLAR MODEL C15 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIRE PUMP STATION GENERATOR
C-6048-28-0	636 bhp	3020-10 D	1	551.00	551.00	A	636 BHP (INTERMITTENT) CATERPILLAR MODEL C15 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR
C-6048-29-0	74 BHP	3020-10 A	1	93.00	93.00	A	FINISHED COMPOST SCREENING WITH TRANSPORTABLE TROMMEL SCREEN POWERED BY A 74 BHP JCB MODEL 444 TAF-55/1 TIER 4 FINAL CERTIFIED DIESEL IC ENGINE
C-6048-30-0	Miscellaneous	3020-06	1	122.00	122.00	A	COMPOSTING FEEDSTOCK MATERIAL HAULING, MIXING, AND PILE BUILDING OPERATION (POWERED BY A PERMIT-EXEMPT ROTO-MIX TRUCK)

Number of Facilities Reported: 1

Attachment B

Exempt Equipment

The following exempt equipment was identified by the applicant on TVFORM-003, Insignificant Activities

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 plasticizer 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 liquefied gases or associated 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	

ATTACHMENT C

PERMITS TO OPERATE (PTOs)

Permit to Operate

FACILITY: C-6048

EXPIRATION DATE: 01/31/2020

LEGAL OWNER OR OPERATOR:
MAILING ADDRESS:

TULARE LAKE COMPOST
1955 WORKMAN MILL RD
WHITTIER, CA 90601

FACILITY LOCATION:

34318 23RD AVE
KETTLEMAN CITY, CA 93239

FACILITY DESCRIPTION:

CO-COMPOSTING FACILITY

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.

Samir Sheikh
Executive Director / APCO

Arnaud Marjollet
Director of Permit Services

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-6048-7-4

EXPIRATION DATE: 01/31/2020

EQUIPMENT DESCRIPTION:

NORTH CO-COMPOSTING FEEDSTOCKS MIXING OPERATION IN AN ENCLOSED BUILDING SERVED BY BIOFILTER(S), INCLUDES 600 CUBIC YARD BIOSOLIDS RECEIVING/STORAGE CAPACITY; AND AN OUTDOOR CONVEYING OPERATION THAT INCLUDES TWO COMPOST CONVEYOR TRAINS WITH A 105 CUBIC YARD TOTAL HOLDING CAPACITY

PERMIT UNIT REQUIREMENTS

1. The permittee shall have complete control of the property defined within the following UTM (NAD83) coordinates: 238829.3, 3985339; 240423.1, 3985280; 240299.3, 3981543; 240037, 3981672; 238705.6, 3981944. The Tulare Lake Compost (TLC) Facility boundary is defined within the following UTM (NAD83) coordinates: 238829.3, 3985339; 240423.1, 3985280; 240390.3, 39844333; and 2388780.6, 3984366. [District Rule 2201]
2. Agricultural (Ag) Waste is vegetative crop residue, consisting of but not limited to: harvested trees, orchard and vineyard prunings, vegetable by-products from farming, residual fruits, vegetables, and other crop remains after usable crop is harvested. Agricultural waste does not include manure or biosolids, processed residues from canneries, wineries, or other industrial sources. [District Rule 2201]
3. Biosolids are the solid, semisolid, or liquid material obtained from wastewater, often used as fertilizer. Biosolids include, but are not limited to animal manure, treated domestic septage and scum or solids removed in primary, secondary, or advanced wastewater treatment processes. Biosolids do not include ash or grit and screenings generated during the preliminary treatment of domestic sewage in a treatment works. [District Rule 2201]
4. Bulking Agent is a constituent of the compost feedstock, consisting of Ag Waste and/or Green Waste. [District Rule 2201]
5. Compost Material consists of Bulking Agent, Biosolids, Active-Phase Compost, Maturation-Phase Compost, Curing-Phase Compost, or any combination thereof. [District Rule 2201]
6. Feedstocks are composting raw materials, including Bulking Agents (Ag Waste and Green Waste) and Biosolids. [District Rule 2201]
7. Green Waste is urban landscape waste, consisting of but not limited to: grass clippings, weeds, tree and shrub trimmings, wood waste, branches and stumps, home garden residues, and other plant remains. Green waste does not include manure or Biosolids, processed residues from canneries, wineries, or other industrial sources. [District Rule 2201]
8. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
9. 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]
10. The total quantity of biosolids received at this facility shall not exceed either of the following limits: 4,200 wet-ton/day or 500,000 wet-ton/year. [District Rule 2201 and California Environmental Quality Act]
11. The total quantity of feedstocks mixed at this facility shall not exceed either of the following limits: 11,350 wet-ton/day or 1,351,351 wet-ton/year. [District Rule 2201]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. All VOC and NH₃ emissions generated inside the mixing building shall be vented to the mixing building biofilter(s). [District Rule 2201]
13. The VOC and NH₃ control efficiencies across the biofilter shall not be less than 80% and 90% respectively. [District Rule 2201]
14. Facility-wide Compost Material emissions shall not exceed either of the following limits: 882.5 lb-VOC/day or 4,246.5 lb-NH₃/day. [District Rule 2201]
15. Facility-wide Compost Material emissions shall not exceed either of the following limits: 184,972 lb-VOC/year or 1,545,771 lb-NH₃/year. [District Rule 2201]
16. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081]
17. The exhaust duct(s) to each biofilter shall be equipped with safe, accessible, permanent provisions to allow collection of gas samples consistent with applicable test methods. [District Rule 1081]
18. A source test to demonstrate compliance with the biofilter VOC daily emissions limit (DEL) and control efficiency shall be made within 60 days of replacement of spent media which requires more than 50% of the biofilter media to be replaced. [District Rules 1070 and 2201]
19. Source testing for VOC and NH₃ on one District approved mixing building biofilter inlet shall be performed using SCAQMD methods 25.3, 207.1, 1.1, 1.2, 2.1, 2.2, 2.3, 3.1 and 4.1, and/or other District approved methods. Source testing at the biofilter outlet (or surface) shall be performed using the EPA Flux Chamber Method, SCAQMD methods 25.3 and 207.1, and/or other District approved methods. [District Rule 2201]
20. District approved independent testing lab(s) shall perform the source testing. [District Rule 2201]
21. All source testing shall take place under conditions considered representative of normal source operation. [District Rule 2201]
22. For source testing purposes of the biosolids, the permittee shall use the mixing building biofilter inlet and SCAQMD methods 25.3, 207.1, 1.1, 1.2, 2.1, 2.2, 2.3, 3.1 and 4.1, and/or other District approved methods. [District Rule 2201]
23. The source test summary shall include the VOC and NH₃ mass emission rates (lb-pollutant/wet-ton-hr) from the mixing building biofilter(s), the VOC and NH₃ control efficiencies for each tested mixing building biofilter, VOC and NH₃ mass emission rates (lb-pollutant/wet-ton-hr) from the stored biosolids, and the amount (wet-ton) of each type of feedstock in the mixing building during testing. [District Rule 2201]
24. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
25. The portable analyzer(s) shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations. [District Rule 2201]
26. No measurable increase over background levels of VOC outside the mixing building shall occur at any mixing building opening including any opening that occurs briefly for access or maintenance. [District Rule 2201]
27. VOC emissions to verify the capture efficiency of the mixing building shall be measured according to the approved monitoring plan within 60 days after District approval of the mixing building monitoring plan, and once every 24 months thereafter. [District Rule 2201]
28. The permittee shall measure the concentrations of VOC and NH₃ emissions from the mixing building biofilter surfaces according to the approved monitoring plan during the initial source test and at least once every month thereafter. [District Rule 2201]
29. If either the VOC or NH₃ concentrations, as measured by the portable analyzer(s), exceed the allowable emission limits, the permittee shall notify the District within the 24 hours and submit a plan of action to return the emissions to their normal levels. 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 Rule 2201]

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

30. All biofilter(s) shall be equipped with either an operational humidification or moisture addition system capable of maintaining suitable biofilter media moisture content. [District Rule 2201]
31. The biofilter(s) humidifier or sprinkler systems shall be used as needed to maintain biofilter media moisture content within a suitable operating range. [District Rule 2201]
32. The biofilter(s) shall be visually checked weekly for compaction, channeling (cracks), unreasonable vegetative growth or noticeable increase in detectable odors. [District Rule 2201]
33. The permittee shall keep daily and annual records of the facility-wide Compost Materials VOC and NH₃ emissions (lb-pollutant/day and lb-pollutant/year) based on the following equation: Facility-Wide Compost Materials Emissions = Outdoor Bulking Agent Emissions (C-6048-1) + Indoor Biosolids Receiving/Storage Emissions (C-6048-7) + Indoor Feedstocks Mixing Emissions (C-6048-7) + Compost Piles Emissions (C-6048-19). [District Rule 2201]
34. The permittee shall keep daily records of the total VOC and NH₃ emissions from Biosolids Receiving/Storage, based on the following equation: Biosolids emissions (lb/day) = Biosolids throughput (wet-ton/day) x (1 - Mixing Building Biofilter Control Efficiency) x Uncontrolled Biosolids Emission Factor (lb/wet-ton). [District Rule 2201]
35. The permittee shall keep daily records of the total VOC and NH₃ emissions from Indoor Feedstocks Mixing, based on the following equation: Indoor Feedstocks Mixing (lb/day) = Uncontrolled Mixed Feedstocks Emission Factor (lb/wet-ton) x (1 - Mixing Building Biofilter Control Efficiency) x Daily Throughput (wet-ton/day). [District Rule 2201]
36. The Uncontrolled Mixed Feedstocks Emission Factors are 0.00795 lb-VOC/wet-ton and 0.0841 lb-NH₃/wet-ton, the Uncontrolled Biosolids Emission Factors are 0.003 lb-VOC/wet-ton and 0.031 lb-NH₃/wet-ton, and the Biofilter Control Efficiencies for VOC and NH₃ are 80% and 90% respectively. [District Rule 2201]
37. The permittee shall maintain records of: (1) the date and time of VOC and NH₃ monitoring measurements, (2) make and model of the portable analyzer(s), (3) portable analyzer calibration records, (4) a description of any corrective action taken to maintain the emissions within the acceptable range, and (5) mixing building Capture Efficiency. [District Rule 2201]
38. The permittee shall submit all mixing building Capture Efficiency monitoring results to the District for approval. [District Rule 2201]
39. The permittee shall keep monthly records of visual biofilter inspections and actions taken to correct compaction, channeling, unreasonable vegetative growth or a noticeable increase in odors, including date of inspection and date actions were taken to correct problem(s). [District Rule 2201]
40. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070]
41. Disturbances of soil related to any construction, demolition, excavation, extraction, and other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 (Construction, Demolition, Excavation, Extraction and Other Earthmoving Activities), unless specifically exempted under section 4.0 of Rule 8021. [District Rule 8021]
42. All bulk material transport vehicles shall limit Visible Dust Emissions to 20% opacity by either limiting vehicular speed, maintaining sufficient freeboard on the load, applying water to the top of the load, or covering the load with a tarp or other suitable cover. [District Rules 8011 and 8031]
43. 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 or Rule 8011. [District Rule 8041]
44. Any open area having 3.0 acres or more of disturbed surface area, that has remained undeveloped, unoccupied, unused or vacant for more than seven days shall comply with the requirements of District Rule 8051 (Open Areas), unless specifically exempted under section 4.0. [District Rule 8051]
45. Any new or existing public or private paved or unpaved road, road construction project, or road modification project within the immediate boundaries of the composting facility shall implement the control measures and design criteria of, and comply with the requirements of District Rule 8061 (Paved and Unpaved Roads), unless specifically exempted under section 4.0 of Rule 8061. [District Rule 8061]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

46. Water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure shall be applied to unpaved vehicle travel areas as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in District Rule 8011. [District Rules 8071 and 8011]
47. On each day that 50 or more Vehicle Daily Trips or 25 or more Vehicle Daily Trips with 3 axles or more will occur on an unpaved vehicle/equipment traffic area, permittee shall apply water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in District Rule 8011. [District Rules 8071 and 8011]
48. Whenever any portion of the site becomes inactive, permittee shall restrict access and periodically stabilize any disturbed surface to comply with the conditions for a stabilized surface as defined in District Rule 8011. [District Rules 8071 and 8011]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-6048-19-3

EXPIRATION DATE: 01/31/2020

EQUIPMENT DESCRIPTION:

CO-COMPOSTING OPERATION INCLUDING ACTIVE-PHASE, MATURATION PHASE AND CURING-PHASE POSITIVE AERATED COMPOST PILES ALL WITH GORE COVERS

PERMIT UNIT REQUIREMENTS

1. The permittee shall have complete control of the property defined within the following UTM (NAD83) coordinates: 238829.3, 3985339; 240423.1, 3985280; 240299.3, 3981543; 240037, 3981672; 238705.6, 3981944. The Westlake Farms Compost Facility (WFCF) boundary is defined within the following UTM (NAD83) coordinates: 238829.3, 3985339; 240423.1, 3985280; 240390.3, 39844333; and 2388780.6, 3984366. [District Rule 2201]
2. Agricultural (Ag) Waste is vegetative crop residue, consisting of but not limited to: harvested trees, orchard and vineyard prunings, vegetable by-products from farming, residual fruits, vegetables, and other crop remains after usable crop is harvested. Agricultural waste does not include manure or biosolids, processed residues from canneries, wineries, or other industrial sources. [District Rule 2201]
3. Biosolids are the solid, semisolid, or liquid material obtained from wastewater, often used as fertilizer. Biosolids include, but are not limited to animal manure, treated domestic septage and scum or solids removed in primary, secondary, or advanced wastewater treatment processes. Biosolids do not include ash or grit and screenings generated during the preliminary treatment of domestic sewage in a treatment works. [District Rule 2201]
4. Bulking Agent is a constituent of the compost feedstock, consisting of Ag Waste and/or Green Waste. [District Rule 2201]
5. Compost Material consists of Bulking Agent, Biosolids, Active-Phase Compost, Maturation-Phase Compost, Curing-Phase Compost, or any combination thereof. [District Rule 2201]
6. Feedstocks are composting raw materials, including Bulking Agents (Ag Waste and Green Waste) and Biosolids. [District Rule 2201]
7. Green Waste is urban landscape waste, consisting of but not limited to: grass clippings, weeds, tree and shrub trimmings, wood waste, branches and stumps, home garden residues, and other plant remains. Green waste does not include manure or Biosolids, processed residues from canneries, wineries, or other industrial sources. [District Rule 2201]
8. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
9. Facility-wide Compost Material emissions shall not exceed either of the following limits: 882.5 lb-VOC/day or 4,246.5 lb-NH3/day. [District Rule 2201]
10. Facility-wide Compost Material emissions shall not exceed either of the following limits: 184,972 lb-VOC/year or 1,545,771 lb-NH3/year. [District Rule 2201]
11. All compost shall meet at least one of the following stability criteria prior to leaving the cure-phase piles: 1) The compost emits no more than four (4) mg CO₂-C per gram of organic material per day (per TMECC Method 05-08-B), 2) The compost has a Solvita Maturity Index of 7 or greater (per TMECC Method 05-08-E), or 3) The material has been composted at least 40 consecutive calendar days after the active-phase composting period. [District Rules 2201 and 4565]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. All piles shall be covered with a waterproof covering (GORE cover) within 3 hours after the pile is constructed. [District Rules 2201 and 4565]
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]
14. Source testing for VOC and NH₃ emissions shall be performed on at least one District-approved compost pile from each phase (active, maturation, and curing). Source testing at the pile surface (uncontrolled) and cover surface (controlled) shall be performed using the EPA Flux Chamber Method, SCAQMD methods 25.3 and 207.1, and/or other District approved methods. [District Rules 2201 and 4565]
15. Source testing shall be conducted every 15 months. After demonstrating compliance on two consecutive source tests, the source test frequency shall be not less than once every 27 months. If the result of the 27-month source test demonstrates non-compliance, the source testing frequency shall revert to at least once every 15 months. Successive source testing shall be conducted during each season of the year (e.g. 1st test: Spring, 2nd test: Summer, 3rd test: Fall, 4th test: Winter, 5th test: Spring, etc). [District Rules 2201 and 4565]
16. For compost pile source test purposes, each tested pile shall be divided into 16 areas with the sampling and measuring points located as far as practical in the middle of each area. Nine sampling and measuring locations with representative, average airflow rates will be selected for VOC and NH₃ sampling for each pile surface. [District Rules 2201 and 4565]
17. District approved independent testing lab(s) shall perform the source testing. [District Rules 2201 and 4565]
18. All source testing shall take place under conditions considered representative of normal source operation. [District Rules 2201 and 4565]
19. The source test summary shall include the following Active-Phase flux emission factors for VOC and NH₃ (in lb/wet-ton of Compost): Active-Phase pile surface (uncontrolled), and Active-Phase cover surface (controlled). [District Rules 2201 and 4565]
20. The source test summary shall include the following Mature-Phase flux emission factors for VOC and NH₃ (in lb/wet-ton of Compost): Mature-Phase pile surface (uncontrolled), and Mature-Phase cover surface (controlled). [District Rules 2201 and 4565]
21. The source test summary shall include the following Cure-Phase flux emission factors for VOC and NH₃ (in lb/wet-ton of Compost): Cure-Phase pile surface (uncontrolled), and Cure-Phase cover surface (controlled). [District Rules 2201 and 4565]
22. The source test summary shall include the following for VOC and NH₃ emissions: The total controlled compost mass emission rates (lb/day) and the weight of each tested pile (lb/wet-ton). [District Rules 2201 and 4565]
23. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
24. The permittee shall conduct maintenance inspections of the cover each time a cover is placed on a compost pile. Any tears or other abnormalities in the cover that could jeopardize the ability of the cover to act as an air pollution control device shall be repaired immediately or the cover shall be replaced. The permittee shall conduct an inspection of the blower and air distribution system prior to commencing construction of a compost pile. Any abnormalities that impact the ability of the air distribution system to provide air to the compost pile shall be repaired prior to constructing the pile. [District Rules 2201 and 4565]
25. The portable analyzer(s) shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations. [District Rules 2201 and 4565]
26. The permittee shall measure the concentrations of VOC and NH₃ emissions from the compost pile surfaces according to the approved monitoring plan during the initial source test and at least once every month thereafter. [District Rules 2201 and 4565]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

27. If either the VOC or NH₃ concentrations, as measured by the portable analyzer(s), exceed the allowable emission limits, the permittee shall notify the District within the 24 hours and submit a plan of action to return the emissions to their normal levels. 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 requirements of this condition. [District Rules 2201 and 4565]
28. The permittee shall keep daily and annual records of the facility-wide Compost Materials VOC and NH₃ emissions (lb-pollutant/day and lb-pollutant/year) based on the following equation: Facility-Wide Compost Materials Emissions = Outdoor Bulking Agent Emissions (C-6048-1 and C-6048-2) + Indoor Biosolids Receiving/Storage Emissions (C-6048-7 and C-6048-8) + Indoor Feedstocks Mixing Emissions (C-6048-7 and C-6048-8) + Outdoor Compost Conveying Emissions (C-6048-7 and C-6048-8) + Compost Piles Emissions (C-6048-19). [District Rule 2201]
29. The permittee shall keep daily records of the VOC and NH₃ emissions from the Compost Piles (Active + Mature + Curing Phases), based on the following equation: Compost Piles Emissions (lb/day) = [(Total Active-Phase Controlled Compost Emission Factor (lb/wet-ton) x Total Active-Phase Piles Weight (wet-ton)) + (Total Mature-Phase Controlled Compost Emission Factor (lb/wet-ton) x Total Mature-Phase Piles Weight (wet-ton)) + (Total Cure-Phase Controlled Compost Emission Factor (lb/wet-ton) x Total Cure-Phase Piles Weight (wet-ton))]. [District Rule 2201]
30. When available, the Emission Factors utilized in the emissions equations shall be the average numbers from the latest source test during that season (i.e. emissions calculations during the Summer shall be based on the latest Summer source test). All source test results shall be submitted to the District for approval of the Emission Factors. [District Rule 2201]
31. The permittee shall maintain records of: (1) the date and time of VOC and NH₃, monitoring measurements, (2) make and model of the portable analyzer(s), (3) portable analyzer calibration records, and (4) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 2201 and 4565]
32. The permittee shall keep records to verify all finished compost meets the required stability criteria. [District Rules 2201 and 4565]
33. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and 4565]
34. Disturbances of soil related to any construction, demolition, excavation, extraction, and other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 (Construction, Demolition, Excavation, Extraction and Other Earthmoving Activities), unless specifically exempted under section 4.0 of Rule 8021. [District Rule 8021]
35. All bulk material transport vehicles shall limit Visible Dust Emissions to 20% opacity by either limiting vehicular speed, maintaining sufficient freeboard on the load, applying water to the top of the load, or covering the load with a tarp or other suitable cover. [District Rules 8011 and 8031]
36. 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 or Rule 8011. [District Rule 8041]
37. Any open area having 3.0 acres or more of disturbed surface area, that has remained undeveloped, unoccupied, unused or vacant for more than seven days shall comply with the requirements of District Rule 8051 (Open Areas), unless specifically exempted under section 4.0. [District Rule 8051]
38. Any new or existing public or private paved or unpaved road, road construction project, or road modification project within the immediate boundaries of the composting facility shall implement the control measures and design criteria of, and comply with the requirements of District Rule 8061 (Paved and Unpaved Roads), unless specifically exempted under section 4.0 of Rule 8061. [District Rule 8061]
39. Water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure shall be applied to unpaved vehicle travel areas as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in District Rule 8011. [District Rules 8071 and 8011]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

40. On each day that 50 or more Vehicle Daily Trips or 25 or more Vehicle Daily Trips with 3 axles or more will occur on an unpaved vehicle/equipment traffic area, permittee shall apply water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in District Rule 8011. [District Rules 8071 and 8011]
41. Whenever any portion of the site becomes inactive, permittee shall restrict access and periodically stabilize any disturbed surface to comply with the conditions for a stabilized surface as defined in District Rule 8011. [District Rules 8071 and 8011]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-6048-20-3

EXPIRATION DATE: 01/31/2020

EQUIPMENT DESCRIPTION:
FINISHED COMPOST TRUCK LOADOUT OPERATIONS

PERMIT UNIT REQUIREMENTS

1. The permittee shall have complete control of the property defined within the following UTM (NAD83) coordinates: 238829.3, 3985339; 240423.1, 3985280; 240299.3, 3981543; 240037, 3981672; 238705.6, 3981944. The Tulare Lake Compost Facility boundary is defined within the following UTM (NAD83) coordinates: 238829.3, 3985339; 240423.1, 3985280; 240390.3, 39844333; and 2388780.6, 3984366. [District Rule 2201]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Visible emissions from the compost loadout operation shall not exceed 5% opacity. [District Rules 2201 and 4101]
4. Water sprays shall be used, as needed, to ensure visible emissions from the compost loadout operation does not exceed 5% opacity. [District Rules 2201 and 4101]
5. The compost loadout throughput of this facility shall not exceed either of the following limits: 7,400 wet-ton/day or 900,000 wet-ton/year. [District Rule 2201]
6. Emissions from the compost loadout operation shall not exceed 0.0003 lb-PM10/wet-ton. [District Rule 2201]
7. Permittee shall keep daily and annual records of the amount of compost loaded out, in wet-tons. [District Rule 2201]
8. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070]
9. Disturbances of soil related to any construction, demolition, excavation, extraction, and other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 (Construction, Demolition, Excavation, Extraction and Other Earthmoving Activities), unless specifically exempted under section 4.0 of Rule 8021. [District Rule 8021]
10. All bulk material transport vehicles shall limit Visible Dust Emissions to 20% opacity by either limiting vehicular speed, maintaining sufficient freeboard on the load, applying water to the top of the load, or covering the load with a tarp or other suitable cover. [District Rules 8011 and 8031]
11. 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 or Rule 8011. [District Rule 8041]
12. Any open area having 3.0 acres or more of disturbed surface area, that has remained undeveloped, unoccupied, unused or vacant for more than seven days shall comply with the requirements of District Rule 8051 (Open Areas), unless specifically exempted under section 4.0. [District Rule 8051]
13. Any new or existing public or private paved or unpaved road, road construction project, or road modification project within the immediate boundaries of the composting facility shall implement the control measures and design criteria of, and comply with the requirements of District Rule 8061 (Paved and Unpaved Roads), unless specifically exempted under section 4.0 of Rule 8061. [District Rule 8061]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure shall be applied to unpaved vehicle travel areas as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in District Rule 8011. [District Rules 8071 and 8011]
15. On each day that 50 or more Vehicle Daily Trips or 25 or more Vehicle Daily Trips with 3 axles or more will occur on an unpaved vehicle/equipment traffic area, permittee shall apply water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in District Rule 8011. [District Rules 8071 and 8011]
16. Whenever any portion of the site becomes inactive, permittee shall restrict access and periodically stabilize any disturbed surface to comply with the conditions for a stabilized surface as defined in District Rule 8011. [District Rules 8071 and 8011]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-6048-21-4

EXPIRATION DATE: 01/31/2020

EQUIPMENT DESCRIPTION:

GASOLINE DISPENSING OPERATION WITH ONE 11,000 GALLON SPLIT (1,000 GALLON GASOLINE/10,000 GALLON DIESEL) FIREGUARD ABOVEGROUND STORAGE TANK SERVED BY MORRISON BROTHERS EVR PHASE I VAPOR RECOVERY SYSTEM (VR-402-B), STANDING LOSS CONTROL (VR-302-E), AND 1 FUELING POINT WITH 1 GASOLINE DISPENSING NOZZLE SERVED BY BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-162-A)

PERMIT UNIT REQUIREMENTS

1. The permittee shall have complete control of the property defined within the following UTM (NAD83) coordinates: 238829.3, 3985339; 240423.1, 3985280; 240299.3, 3981543; 240037, 3981672; 238705.6, 3981944. The Tulare Lake Compost Facility boundary is defined within the following UTM (NAD83) coordinates: 238829.3, 3985339; 240423.1, 3985280; 240390.3, 39844333; and 2388780.6, 3984366. [District Rule 2201]
2. The Phase I, Phase II, and Standing Loss Control Vapor recovery systems shall be installed and maintained in accordance with the manufacturer specifications and the ARB Executive Orders specified in this permit, including applicable rules and regulations of the Division of Measurement Standards of the Department of Food and Agriculture, the Office of the State Fire Marshal of the Department of Forestry and Fire Protection, the Division of Occupational Safety and Health of the Department of Industrial Relations, and the Division of Water Quality of the State Water Resources Control Board that have been made conditions of the certification. [District Rules 4621 and 4622 and CH&SC 41950]
3. This gasoline storage and dispensing equipment shall not be used in retail sales, where gasoline dispensed by the unit is subject to payment of California sales tax on gasoline sales. [District Rule 4622]
4. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
5. The storage container(s) shall be installed, maintained, and operated such that they are leak-free. [District Rule 4621]
6. The Phase I and Phase II vapor recovery systems and gasoline dispensing equipment shall be maintained without leaks as determined in accordance with the test method specified in this permit. [District Rules 4621 and 4622]
7. A leak is defined as the dripping of VOC-containing liquid at a rate of more than three (3) drops per minute, or the detection of any gaseous or vapor emissions with a concentration of total organic compound greater than 10,000 ppmv, as methane, above background when measured in accordance with EPA Test Method 21. [District Rules 4621 and 4622]
8. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo container, which attest to the vapor integrity of the container. [District Rule 4621]
9. No person shall operate any ARB certified Phase II vapor recovery system or any portion thereof that has a major defect or an equipment defect that is identified in any applicable ARB Executive Order until the following conditions have been met: 1) the defect has been repaired, replaced, or adjusted as necessary to correct the defect; 2) the District has been notified, and the District has reinspected the system or authorized the system for use (such authorization shall not include the authority to operate the equipment prior to the correction of the defective components); and 3) all major defects, after repair, are duly entered into the Operations and Maintenance (O&M) manual. [District Rule 4622]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

10. Upon identification of any major defects, the permittee shall tag "Out-of-Order" all dispensing equipment for which vapor recovery has been impaired. Tagged equipment shall be rendered inoperable and the tag(s) shall not be removed until the defective equipment has been repaired, replaced, or adjusted, as necessary. In the case of defects identified by the District, tagged equipment shall be rendered inoperable, and the tag shall not be removed until the District has been notified of the repairs, and the District has either reinspected the system or authorized the tagged equipment for use. [District Rule 4622]
11. The permittee shall implement a periodic maintenance inspection program for the certified Phase II vapor recovery system consistent with the requirements of this permit. The program shall be documented in an operation and maintenance (O&M) manual and shall at a minimum contain the following information: 1) copies of all vapor recovery performance tests; 2) all applicable ARB Executive Orders, Approval Letters, and District Permits; 3) the manufacturer's specifications and instructions for installation, operation, repair, and maintenance required pursuant to ARB Certification Procedure CP-201, and any additional instruction provided by the manufacturer; 4) system and/or component testing requirements, including test schedules and passing criteria for each of the standard tests required by this permit (the owner/operator may include any non-ARB required diagnostic and other tests as part of the testing requirements), and 5) additional O&M instructions, if any, that are designed to ensure compliance with the applicable rules, regulations, ARB Executive Orders, and District permit conditions, including replacement schedules for failure or wear prone components. [District Rule 4622]
12. The permittee shall conduct periodic maintenance inspections based on the greatest monthly throughput of gasoline dispensed by the facility in the previous year as follows: A) less than 2,500 gallons - one day per month; B) 2,500 to less than 25,000 gallons - one day per week; or C) 25,000 gallons or greater - five days per week. All inspections shall be documented within the O & M Manual. [District Rules 4621 and 4622]
13. Periodic maintenance inspections of the Phase I vapor recovery system shall include, at a minimum, verification that 1) the fill caps and vapor caps are not missing, damaged, or loose; 2) the fill cap gasket and vapor cap gaskets are not missing or damaged; 3) the fill adapter and vapor adapter are securely attached to the risers; 4) where applicable, the spring-loaded submerged fill tube seals properly against the coaxial tubing; 5) the dry break (popet-valve) is not missing or damaged; and 6) the submerged fill tube is not missing or damaged. [District Rule 4621]
14. Periodic maintenance inspections of the Phase II vapor recovery system shall include, at a minimum, verification that 1) the following nozzle components are in place and in good condition as specified in ARB Executive Order as applicable: faceplate/facecone, bellows, latching device spring, vapor check valve, spout (proper diameter/vapor collection holes), insertion interlock mechanism, automatic shut-off mechanism, and hold open latch (unless prohibited by law or the local fire control authority); 2) the hoses are not torn, flattened or crimped; 3) the vapor path of the coaxial hoses associated with bellows equipped nozzles does not contain more than 100 ml of liquid if applicable; and 4) the vapor processing unit is functioning properly, for operations that are required to have or possess such a unit. [District Rule 4622]
15. In the event of a separation due to a drive off, the permittee shall, unless otherwise specified in the applicable ARB Executive Order, conduct a visual inspection of the affected equipment and either 1) perform qualified repairs on any damaged components and conduct applicable re-verification tests pursuant to the requirements of this permit, or 2) replace the affected nozzles, coaxial hoses, breakaway couplings, and any other damaged components with new or certified rebuilt components that are ARB certified. The activities shall be documented in accordance with the requirements of this permit before placing the affected equipment back in service. [District Rule 4622]
16. The gasoline throughput for this permit unit shall not exceed 365,000 gallons in any one calendar year. [District Rule 2201]
17. The permittee shall conduct all periodic vapor recovery system performance tests specified in this permit, no more than 30 days before or after the required compliance testing date, unless otherwise required under the applicable ARB Executive Order. [District Rules 4621 and 4622]
18. The permittee shall perform and pass a Static Leak Test "Determination of Static Pressure Performance of Vapor Recovery Systems at Gasoline Dispensing Facilities with Aboveground Tanks" in accordance with the Executive Order specified in this permit for the Phase I Vapor Recovery System within 60 days after initial start-up and at least once every 12 months thereafter. [District Rules 4621 and 4622]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

19. For certified Phase II vapor recovery systems with liquid removal devices, the permittee shall perform and pass an ARB TP-201.6C Liquid Removal Test whenever the liquid in the vapor path exceeds 100 ml of liquid, or as required by the applicable ARB Executive Order. The amount of liquid in the vapor path shall be measured by lowering the gasoline dispensing nozzle into a container until such time that no more liquid drains from the nozzle. The amount of liquid drained into the container shall be measured using a graduated cylinder or graduated beaker. The vapor path shall be inspected according to the monitoring frequency as determined by monthly gasoline throughput. [District Rule 4622]
20. If a Liquid Condensate Trap is installed, the permittee shall perform and pass a Liquid Condensate Trap Compliance Test using the test procedure defined in the Executive Order specified in this permit for the Phase II Vapor Recovery System within 60 days after initial startup and at least once every 12 months thereafter. [District Rule 4622]
21. If a Liquid Condensate Trap is installed it shall be (1) maintained without leaks; (2) accessible for inspection upon request; (3) capable of automatic evacuation of liquid; and (4) equipped with an alarm system in case of failure of the evacuation system. [District Rule 4622]
22. A person conducting testing of, or repairs to, a certified vapor recovery system shall be in compliance with District Rule 1177 (Gasoline Dispensing Facility Tester Certification). [District Rules 4621 and 4622]
23. A person performing installation of, or maintenance on, a certified Phase I or Phase II vapor recovery system shall be certified by the ICC for Vapor Recovery System Installation and Repair, or work under the direct and personal supervision of an individual physically present at the work site who is certified. The ICC certification shall be renewed every 24 months. [District Rules 4621 and 4622]
24. Proof of the ICC certification and all other certifications required by the Executive Order and installation and operation manual shall be made available onsite. [District Rules 4621 and 4622]
25. The permittee shall notify the District at least 7 days prior to each performance test. The test results shall be submitted to the District no later than 30 days after the completion of each test. [District Rule 4621]
26. The permittee shall maintain a copy of all test results. The test results shall be dated and shall contain the name, address, and telephone number of the company responsible for system installation and testing. [District Rule 4622]
27. The permittee shall maintain on the premises a log of any repairs made to the certified Phase I or Phase II vapor recovery system. The repair log shall include the following: 1) date and time of each repair; 2) the name and applicable certification numbers of the person(s) who performed the repair, and if applicable, the name, address and phone number of the person's employer; 3) description of service performed; 4) each component that was repaired, serviced, or removed; 5) each component that was installed as replacement, if applicable; and 6) receipts or other documents for parts used in the repair and, if applicable, work orders which shall include the name and signature of the person responsible for performing the repairs. [District Rule 4622]
28. The O&M manual shall be kept at the dispensing operation and made available to any person who operates, inspects, maintains, repairs, or tests the equipment at the operation as well as to District personnel upon request. [District Rule 4622]
29. The permittee shall maintain monthly and annual gasoline throughput records. [District Rules 4621 and 4622]
30. All records required by this permit shall be retained on-site for a period of at least five years and shall be made available for District inspection upon request. [District Rules 4621 and 4622]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-6048-25-0

EXPIRATION DATE: 01/31/2020

EQUIPMENT DESCRIPTION:

96 BHP DEUTZ FIRE PROTECTION MODEL DFP4 2012 T15 TIER 2 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP

PERMIT UNIT REQUIREMENTS

1. This engine shall be equipped with either a positive crankcase ventilation (PCV) system that recirculates crankcase emissions into the air intake system for combustion, or a crankcase emissions control device of at least 90% control efficiency. [District Rule 2201]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. The 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]
6. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115]
7. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115]
8. Emissions from this IC engine shall not exceed any of the following limits: 4.8 g-NO_x/bhp-hr, 0.6 g-CO/bhp-hr, or 0.1 g-VOC/bhp-hr. [District Rule 2201 and 13 CCR 2423 and 17 CCR 93115]
9. Emissions from this IC engine shall not exceed 0.09 g-PM₁₀/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102 and 13 CCR 2423 and 17 CCR 93115]
10. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems". Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702 and 17 CCR 93115]
11. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115]
12. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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 4702 and 17 CCR 93115]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-6048-27-0

EXPIRATION DATE: 01/31/2020

EQUIPMENT DESCRIPTION:

563 BHP (INTERMITTENT) CATERPILLAR MODEL C15 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIRE PUMP STATION GENERATOR

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115, and 40 CFR 60 Subpart IIII]
6. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115]
7. Emissions from this IC engine shall not exceed any of the following limits: 2.62 g-NOx/bhp-hr, 2.24 g-CO/bhp-hr, or 0.14 g-VOC/bhp-hr. [District Rule 2201, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII]
8. Emissions from this IC engine shall not exceed 0.14 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII]
9. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702]
10. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]
11. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115]
12. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115]
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. For units at unstaffed sites or operated remotely, records may be maintained and retained at a District-approved off-site location. [District Rule 4702]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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14. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rule 4702, 17 CCR 93115 and 40 CFR Part 60 Subpart III]
15. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115]
16. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-6048-28-0

EXPIRATION DATE: 01/31/2020

EQUIPMENT DESCRIPTION:

636 BHP (INTERMITTENT) CATERPILLAR MODEL C15 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115, and 40 CFR 60 Subpart IIII]
6. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115]
7. Emissions from this IC engine shall not exceed any of the following limits: 2.62 g-NOx/bhp-hr, 2.24 g-CO/bhp-hr, or 0.14 g-VOC/bhp-hr. [District Rule 2201, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII]
8. Emissions from this IC engine shall not exceed 0.14 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII]
9. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702]
10. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]
11. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115]
12. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115]

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

13. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115]
14. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rule 4702, 17 CCR 93115 and 40 CFR Part 60 Subpart IIII]
15. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115]
16. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-6048-29-0

EXPIRATION DATE: 01/31/2020

EQUIPMENT DESCRIPTION:

FINISHED COMPOST SCREENING WITH TRANSPORTABLE TROMMEL SCREEN POWERED BY A 74 BHP JCB MODEL 444 TAF-55/1 TIER 4 FINAL CERTIFIED DIESEL IC ENGINE

PERMIT UNIT REQUIREMENTS

1. The permittee shall have complete control of the property defined within the following UTM (NAD83) coordinates: 238829.3, 3985339; 240423.1, 3985280; 240299.3, 3981543; 240037, 3981672; 238705.6, 3981944. The Tulare Lake Compost Facility boundary is defined within the following UTM (NAD83) coordinates: 238829.3, 3985339; 240423.1, 3985280; 240390.3, 39844333; and 2388780.6, 3984366. [District Rule 2201]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. This prohibition shall not apply to odors emanating from composting operations, which are not under the jurisdiction of the San Joaquin Valley Air Pollution Control District. [District Rule 4102 and CH&SC 41705 (a)(2)]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93116]
6. Excluding time spent in storage, this engine shall not reside at one location (i.e. footprint) at this site for more than 12 consecutive months. [District Rules 2201 and 4701 and 17 CCR 93116]
7. Operation of the internal combustion engine powering the trommel screen shall not exceed 4,160 hours per calendar year. [District Rules 2201 and 4102]
8. Emissions from this IC engine shall not exceed any of the following limits: 2.8 g-NO_x/bhp-hr, 1.2 g-CO/bhp-hr, or 0.15 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93116]
9. PM₁₀ emissions shall not exceed 0.022 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201, 4102, and 4702 and 17 CCR 93116]
10. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4702, and 4801, and 17 CCR 93116]
11. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702]
12. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]
13. Visible emissions from screening finished compost shall not exceed 5% opacity for a period or periods aggregating more than three (3) minutes in any one (1) hour. [District Rules 2201 and 4101]
14. Emissions from the material screening operation shall not exceed 0.003 lb-PM₁₀/wet-ton. [District Rule 2201]

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

15. The amount of finished compost screened shall not exceed 600 tons per day. [District Rule 2201]
16. The owner/operator 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 of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702]
17. The operator shall maintain a daily record of the tons of finished compost screened. Tonnage values may be calculated from volume and density measurements. [District Rule 1070]
18. The operator shall keep a record of the annual hours of operation of the IC engine. [District Rule 1070]
19. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-6048-30-0

EXPIRATION DATE: 01/31/2020

EQUIPMENT DESCRIPTION:

COMPOSTING FEEDSTOCK MATERIAL HAULING, MIXING, AND PILE BUILDING OPERATION (POWERED BY A PERMIT-EXEMPT ROTO-MIX TRUCK)

PERMIT UNIT REQUIREMENTS

1. The permittee shall have complete control of the property defined within the following UTM (NAD83) coordinates: 238829.3, 3985339; 240423.1, 3985280; 240299.3, 3981543; 240037, 3981672; 238705.6, 3981944. The Tulare Lake Compost Facility boundary is defined within the following UTM (NAD83) coordinates: 238829.3, 3985339; 240423.1, 3985280; 240390.3, 39844333; and 2388780.6, 3984366. [District Rule 2201]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. This prohibition shall not apply to odors emanating from composting operations, which are not under the jurisdiction of the San Joaquin Valley Air Pollution Control District. [District Rule 4102 and CH&SC 41705 (a)(2)]
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 amount of materials transported by the Roto-Mix truck shall not exceed 340 tons per day. [District Rule 2201]
5. PM10 emissions from loading composting feedstock materials into the Roto-Mix truck shall not exceed 0.003 lb-PM10/wet ton. [District Rule 2201]
6. PM10 emissions from mixing composting feedstock materials in the Roto-Mix truck shall not exceed 0.003 lb-PM10/wet ton. [District Rule 2201]
7. PM10 emissions from pile building operations or unloading of composting feedstock material from the Roto-Mix truck shall not exceed 0.003 lb-PM10/wet ton. [District Rule 2201]
8. The operator shall maintain a daily record of the tons of material transported by the Roto-Mix truck. Tonnage values may be calculated from volume and density measurements. [District Rule 1070]
9. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070]
10. All bulk material transport vehicles shall limit Visible Dust Emissions to 20% opacity by either limiting vehicular speed, maintaining sufficient freeboard on the load, applying water to the top of the load, or covering the load with a tarp or other suitable cover. [District Rule 8031]
11. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041, Section 5.0. [District Rules 8011 and 8041]

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