



SEP 21 2016

Mr. Anthony Cordova  
South Kern Industrial Center, LLC  
2653 Santiago Road  
Taft, CA 93268

**Re: Notice of Final Action - Title V Permit Renewal  
District Facility # S-4212  
Project # S-1151124**

Dear Mr. Cordova:

The District has issued the Final Renewed Title V Permit for South Kern Industrial Center, LLC (see enclosure). The preliminary decision for this project was made on July 14, 2016. No comments were received subsequent to the District preliminary decision.

The public notice for issuance of the Final Title V Permit will be published approximately three days from the date of this letter.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Leonard Scandura, Permit Services Manager, at (661) 392-5500.

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

**Seyed Sadredin**  
Executive Director/Air Pollution Control Officer

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

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

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



# Permit to Operate

**FACILITY:** S-4212

**EXPIRATION DATE:** 02/28/2021

**LEGAL OWNER OR OPERATOR:**  
**MAILING ADDRESS:**

SOUTH KERN INDUSTRIAL CENTER LLC  
PO BOX 265  
TAFT, CA 93268

**FACILITY LOCATION:**

2653 SANTIAGO ROAD  
TAFT, CA 93268

**FACILITY DESCRIPTION:**

CO-COMPOSTING

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

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

**Seyed Sadredin**  
Executive Director / APCO

**Arnaud Marjollet**  
Director of Permit Services



Facility # S-4212  
SOUTH KERN INDUSTRIAL CENTER LLC  
PO BOX 265  
TAFT, CA 93268

## Notice of Permit Issuance

The enclosed permit unit requirements authorize the operation of the equipment as described. These permit unit requirements supersede any and all previous permits for the specified equipment.\* Please insert these documents into the Facility Permit to Operate, and post copies on or near the equipment as required by District Rule 2010.

Please contact any of our Small Business Assistance (SBA) staff at the numbers below if you have any questions:

Modesto:	(209) 557-6446
Fresno:	(559) 230-5888
Bakersfield:	(661) 392-5665

\*Failure to comply with the permit unit requirements may result in enforcement action.

**Seyed Sadredin**

Executive Director/Air Pollution Control Officer

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# San Joaquin Valley Air Pollution Control District

**FACILITY:** S-4212-0-1

**EXPIRATION DATE:** 02/28/2021

## **FACILITY-WIDE REQUIREMENTS**

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1. 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. 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. 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. 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. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1] Federally Enforceable Through Title V Permit
6. 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. 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. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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: SOUTH KERN INDUSTRIAL CENTER LLC  
Location: 2653 SANTIAGO ROAD, TAFT, CA 93268  
S-4212-0-1: Sep 20 2016 7:38AM - VELASCOA

10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1] Federally Enforceable Through Title V Permit
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520 (6/21/01). [District Rules 2520, 9.5.2 and 1100, 7.0] Federally Enforceable Through Title V Permit
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.7] Federally Enforceable Through Title V Permit
13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.8.2] Federally Enforceable Through Title V Permit
14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3] Federally Enforceable Through Title V Permit
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4] Federally Enforceable Through Title V Permit
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5] Federally Enforceable Through Title V Permit
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9] Federally Enforceable Through Title V Permit
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.13.2.1] Federally Enforceable Through Title V Permit
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.13.2.2] Federally Enforceable Through Title V Permit
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3] Federally Enforceable Through Title V Permit
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4] Federally Enforceable Through Title V Permit
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

23. No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
29. Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8021 and 8011] Federally Enforceable Through Title V Permit
30. Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8031 and 8011] Federally Enforceable Through Title V Permit
31. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8041 and 8011] Federally Enforceable Through Title V Permit
32. Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8051 and 8011] Federally Enforceable Through Title V Permit
33. Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8061 and 8011] Federally Enforceable Through Title V Permit
34. Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 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 8071 and 8011] Federally Enforceable Through Title V Permit
35. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 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. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
42. On January, 31, 2012, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-4212-1-6

**EXPIRATION DATE:** 02/28/2021

**EQUIPMENT DESCRIPTION:**

BIOSOLIDS AND AMENDMENTS RECEIVING/MIXING OPERATION, INCLUDING AMENDMENT STORAGE AREA, FEED HOPPER WITH WATER SPRAY MISTERS, CONVEYOR DISCHARGING TO AMENDMENT PILES IN MIXING BUILDING, BIOSOLIDS UNLOADING INTO MIXING BUILDING, WITH MIXING BUILDING AND COVERED FEEDSTOCK CONVEYOR VENTED TO MIXING BUILDING BIOFILTER

## PERMIT UNIT REQUIREMENTS

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1. Air pollution equipment (blower fans, ducting, biofilter, etc) shall be properly maintained in good operating condition at all times, except for times of maintenance and/or repair allowed by conditions below. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Each biofilter blower fan may be shut down for a total of 48 hours per 6-month time period for the purpose of maintenance and/or repair. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Feedstock mixing shall be performed in the mixing building, and mixing building shall be vented to biofilter. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Conveyors transferring feedstock from mixing building to feedstock pad shall be covered and ventilated to receiving building biofilter. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Biofilter shall be equipped with operational humidifier and sprinkler systems, and shall be used as needed to maintain optimum biofilter media moisture content. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Amendment feed hopper shall be equipped with operational mist type water spray, and used as needed to ensure visible emissions do not exceed 5% opacity for more than 3 minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
7. VOC destruction efficiency across the biofilter serving the mixing building shall not be less than 80%, or total VOC emission rate from mixing building shall not exceed 2 pounds in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. NH3 destruction efficiency across the biofilter serving the mixing building shall not be less than 80%, or total NH3 emission rate from mixing building shall not exceed 2 pounds in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. There shall be no visible emissions greater than 5% opacity for more than three minutes in any one hour, from receiving/mixing operation amendment truck unloading, feed hopper loading, outdoor conveyor transfer points, or feed stock stacking conveyor. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Maximum quantity of biosolids introduced into the feedstock mixers shall not exceed 350,000 wet tons on a rolling 12-month basis. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Maximum quantity of amendment introduced into the feedstock mixing operation shall not exceed 320,000 wet tons on a rolling 12-month basis. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Maximum quantity of feedstock discharged from the mixing operation shall not exceed 6,466 wet 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.



13. Emissions from amendment feed hopper shall not exceed 0.0001 lb-PM10/ton. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Emissions from amendment conveyor transfer points shall not exceed 4.5E-5 lb-PM10/ton. [District Rule 2201] Federally Enforceable Through Title V Permit
15. VOC emissions from the biofilter serving the mixing building shall not exceed 7.4 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Combined VOC emissions from S-4212-1, '-2 and '-7 shall not exceed 160,398 lb/yr. [District Rule 2201] Federally Enforceable Through Title V Permit
17. NH3 emissions from the biofilter shall not exceed 0.4 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Biofilter media shall be maintained such that the pH remains between 5.0 and 8.0, moisture content between 40 and 80% and temperature between 50 and 95 degrees F, as measured at a depth of at least 2 feet below the media surface. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Biofilter discharge surface, for testing and monitoring purposes, shall be divided into sixteen uniformly sized areas (grids). When source testing the biofilter, a minimum of 8 representative grid points shall be used. [District Rule 1070] Federally Enforceable Through Title V Permit
20. Biofilter exhaust blower discharge pressure shall not exceed 5.0 psig. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Biofilter exhaust blower discharge pressure shall be monitored weekly to ensure system pressure is within permitted operating range. [District Rule 1081] Federally Enforceable Through Title V Permit
22. Biofilter moisture, pH and temperature shall be monitored monthly by sampling one central grid location. Samples shall be taken at two depths beneath the surface. Samples shall be analyzed at in-house laboratory within 48 hours of collection. After collection of biofilter media samples, any sample holes shall be re-filled immediately with the excavated material. [District Rule 1081] Federally Enforceable Through Title V Permit
23. Biofilter media shall be "fluffed" or replaced as needed to maintain the exhaust blower discharge pressure within the normal operating range. [District Rule 2201] Federally Enforceable Through Title V Permit
24. Vegetative growth shall not exceed 10% of the total biofilter surface. [District Rule 2201] Federally Enforceable Through Title V Permit
25. Biofilter shall be checked visually at least weekly for compaction, channeling (cracks), vegetative growth or noticeable increase in detectable odors. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Biofilter media temperature shall be monitored weekly by inserting a manual temperature probe into each biofilter grid location, waiting approximately 30 to 90 seconds for the temperature to stabilize, then recording the temperature. [District Rule 1081] Federally Enforceable Through Title V Permit
27. If any biofilter media temperature reading is out of range, then the biofilter moisture and pH shall be tested, and recorded, for the corresponding grid(s). [District Rule 1081] Federally Enforceable Through Title V Permit
28. If any biofilter monitoring parameter is out of range, the applicant shall perform the necessary maintenance to return the media parameter(s) to the permitted range within 1 week of detecting the problem. All grids which tested out of range shall be re-tested within one week. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Demonstration of compliance with 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. If any ASP biofilters are replacing media concurrent with the replacement of the mixing building biofilter media, then the ASP biofilter source testing may be used as representative testing in demonstrating compliance with VOC control efficiency requirement for the mixing building biofilter. [District Rules 1070 and 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.

30. District witnessed source testing of biofilter performed to measure VOC and NH<sub>3</sub> inlet concentrations, inlet flowrate, and VOC and NH<sub>3</sub> destruction efficiencies across the biofilter, shall be performed by an independent testing laboratory certified for SCAQMD methods 25.3, 207.1, 1.1, 1.2, 2.1, 2.2, 2.3, 3.1 and 4.1. [District Rule 1070] Federally Enforceable Through Title V Permit
31. The following biofilter test methods shall be used: Biofilter temperature - EPA method 170.1, moisture content - TMECC 03.09 (Total solids and moisture at 70+/-5 degrees centigrade), media pH - TMECC 04.11-A (1:5 slurry pH), VOC leaks - EPA Method 21 (VOC leaks), and hydrocarbon analyzer for VOCs calibrated with certified zero and 10 ppmv methane standards. [District Rule 1081] Federally Enforceable Through Title V Permit
32. Operator may use an alternate test method to those listed above for which written approval of the APCO has been obtained. [District Rule 1081] Federally Enforceable Through Title V Permit
33. District shall be notified at least 30 days prior to any compliance source testing, and a source test plan shall be submitted for approval at least 15 days prior to testing. Official test results and field test data from compliance testing shall be submitted within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
34. The following operating parameters shall be documented during times of testing: biofilter exhaust blower discharge pressure and temperature, biofilter air flow, biofilter media temperature (all 16 grids), moisture content and pH (Only two samples of moisture and pH required, samples to be taken at one central location (from at least two feet deep)). Moisture and pH shall also be sampled, and recorded, for every grid in which the temperature is found to be out of the permitted range. [District Rule 1070] Federally Enforceable Through Title V Permit
35. VOC and NH<sub>3</sub> samples shall be analyzed by a lab certified by SCAQMD to perform identified SCAQMD test methods. [District Rule 1081] Federally Enforceable Through Title V Permit
36. Records shall be kept of wet tons per day of biosolids fed into the feedstock mixing operation, daily amendment mix ratio, monthly biofilter temperature, moisture and pH readings, weekly biofilter media temperature and exhaust blower discharge pressure readings, associated biofilter grid locations, and annual VOC emissions on a 12 month rolling average. Records shall be kept of visual inspections and actions taken to correct compaction (and/or high biofilter blower fan pressure(s)), channeling, excessive vegetative growth or a noticeable increase in odors, including date of inspection and date actions were taken to correct problem(s). Records shall be kept of dates and hours each biofilter fan is shutdown for maintenance and/or repair. Records shall be retained on-site for a period of at least five years and made readily 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.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-4212-2-7

**EXPIRATION DATE:** 02/28/2021

**EQUIPMENT DESCRIPTION:**

BIOSOLIDS CO-COMPOSTING OPERATION INCLUDING TWO NEGATIVELY AERATED STATIC PILE (ASP) ACTIVE COMPOST AREAS, EACH VENTED TO IT'S OWN BIOFILTER (APPROXIMATELY 19,962 SQ FT EACH), AND TWO ASP CURING COMPOST AREAS, EACH VENTED TO IT'S OWN BIOFILTER (APPROXIMATELY 11,234 SQ FT EACH); INCLUDING BLOWER FANS, COOLING FANS, HUMIDIFIERS AND BIOFILTER SURFACE SPRINKLER SYSTEM

## PERMIT UNIT REQUIREMENTS

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1. Active and curing phase composting shall be performed in negatively-aerated static piles (ASPs) with engineered, under pile, grid aeration system venting to a biofilter. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
2. ASP biofilters shall be equipped with operational humidifier and sprinkler systems, and shall be used, as needed, to maintain optimum biofilter media moisture content. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
3. Air pollution equipment (blower fans, ducting, biofilters, etc) shall be properly maintained in good operating condition at all times, except for times of maintenance and/or repair allowed by conditions below. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
4. Each biofilter blower fan may be shut down for a total of 48 hours per 6-month time period for the purpose of maintenance and/or repair. [District Rule 2201] Federally Enforceable Through Title V Permit
5. All active phase ASPs shall be covered with finished compost or wood chips. [District Rule 2201] Federally Enforceable Through Title V Permit
6. VOC destruction efficiency across each biofilter serving the active phase compost ASPs shall not be less than 80%, or total VOC emission rate shall not exceed 2 pounds in any one day. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
7. NH3 destruction efficiency across each biofilter serving the active phase compost ASPs shall not be less than 80%, or total NH3 emission rate shall not exceed 2 pounds in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Maximum quantity of feedstock (mixed biosolids and amendments) introduced into active phase compost ASPs shall not exceed 6,466 tons/day nor 670,000 tons/year (based on a rolling 12 months). [District Rule 2201] Federally Enforceable Through Title V Permit
9. VOC emissions from this permit unit (includes all ASP surfaces and biofilters serving ASPs) shall not exceed 0.23826 lb/ton throughput. Throughput is defined as wet ton, as mixed, feedstock introduced into active phase compost ASPs. [District Rule 2201] Federally Enforceable Through Title V Permit
10. VOC emissions from the biofilters serving the active and curing phase composting shall not exceed 1,135.1 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Combined VOC emissions from S-4212-1, '-2 and '-7 shall not exceed 160,398 lb/yr. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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12. NH<sub>3</sub> emissions from this permit unit (includes all ASP surfaces and biofilters serving ASPs) shall not exceed 0.2203 lb/ton throughput. Throughput is defined as wet ton, as mixed, feedstock introduced into active phase compost ASPs. [District Rule 2201] Federally Enforceable Through Title V Permit
13. NH<sub>3</sub> emissions from the biofilters serving the active and curing phase composting shall not exceed 279.6 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Permittee shall implement at least two (2) Rule 4565 class one mitigation measures, in addition to one (1) class two mitigation measures for active composting and one (1) class two mitigation measure for curing composting. [District Rule 4565] Federally Enforceable Through Title V Permit
15. Biofilter media shall be maintained such that the pH remains between 4.5 and 8.0, moisture content between 45 and 80% and temperature between 90 and 115 degree F, as measured at a depth of at least 2 feet below the media surface. [District Rules 2201 and 4565; and 40 CFR 64.3] Federally Enforceable Through Title V Permit
16. Aerated Static Piles shall have no measurable increase (<0.45 ppmv increase) over background levels of hydrocarbons within three feet of any surface of any aerated static pile. Testing shall be performed once per quarter in accordance with the requirements of Rule 4565 section 5.4 using a District approved analyzer. [District Rule 4565 and 40 CFR 64.3] Federally Enforceable Through Title V Permit
17. Every ASP biofilter temperature, moisture and pH shall be monitored monthly by sampling at least one central grid location. Samples shall be taken at two depths beneath the surface. Samples shall be analyzed at in-house laboratory within 48 hours of collection. After collection of biofilter media samples, any sample holes shall be re-filled immediately with the excavated material. [District Rules 1081 and 4565; and 40 CFR 64.3] Federally Enforceable Through Title V Permit
18. Biofilter exhaust blower discharge pressure shall not exceed 5.0 psig. [District Rules 2201 and 4565; and 40 CFR 64.3] Federally Enforceable Through Title V Permit
19. Biofilter discharge surface, for testing and monitoring purposes, shall be divided into sixteen uniformly sized areas (grids). When source testing the biofilter, a minimum of 8 representative grid points shall be used. [District Rule 1070] Federally Enforceable Through Title V Permit
20. ASP Biofilter exhaust blower discharge pressures shall be monitored daily to ensure system pressures are within permitted operating range. [District Rules 1081 and 4565; and 40 CFR 64.3] Federally Enforceable Through Title V Permit
21. Biofilter media shall be "fluffed" or replaced, as needed, to maintain the exhaust blower discharge pressures within the permitted operating range. [District Rule 2201 and 40 CFR 64.3] Federally Enforceable Through Title V Permit
22. Vegetative growth shall not exceed 10% of the total biofilter surface. [District Rules 2201 and 4565; and 40 CFR 64.3] Federally Enforceable Through Title V Permit
23. Biofilter shall be checked visually at least weekly for compaction, channeling (cracks), vegetative growth or noticeable increase in detectable odors. [District Rules 2201 and 4565; and 40 CFR 64.3] Federally Enforceable Through Title V Permit
24. Biofilter media temperature shall be monitored weekly by inserting a manual temperature probe into each biofilter grid location, waiting approximately 30 to 90 seconds for the temperature to stabilize, then recording the temperature. [District Rule 1081 and 40 CFR 64.3] Federally Enforceable Through Title V Permit
25. If any ASP biofilter media temperature reading is out of range, then the biofilter moisture and pH shall be tested, and recorded, for the corresponding grid(s). [District Rule 1081 and 40 CFR 64.3] Federally Enforceable Through Title V Permit
26. If any biofilter monitoring parameter is out of range, the applicant shall perform the necessary maintenance to return the media parameter(s) to the permitted range within 1 week of detecting the problem. All grids which tested out of range shall be re-tested within one week. If any grid is still out of range during the re-test, then source testing of the biofilter shall be performed within 60 days to show compliance with the emissions limit and VOC control efficiency of the biofilter. [District Rule 2201 and 40 CFR 64.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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27. Demonstration of compliance with biofilter VOC daily emissions limit (DEL) and control efficiency shall be performed no less than once every two years and within 60 days of replacement of spent media or a maintenance (or repair) event which requires more than 50% of the biofilter media to be disturbed. [District Rules 1070, 2201, and 4565; and 40 CFR 64.3] Federally Enforceable Through Title V Permit
28. The following biofilter test methods shall be used: Biofilter temperature - EPA method 170.1, moisture content - TMECC 03.09 (Total solids and moisture at 70+/-5 degrees centigrade), media pH - TMECC 04.11-A (1:5 slurry pH), VOC leaks - EPA Method 21 (VOC leaks), and hydrocarbon analyzer for VOCs calibrated with certified zero and 10 ppmv methane standards. [District Rules 1081 and 4565; and 40 CFR 64.3] Federally Enforceable Through Title V Permit
29. District witnessed source testing to determine inlet and outlet VOC concentrations, flowrate, and destruction efficiency across every biofilter shall be performed not less than once every two years by an independent testing laboratory certified for SCAQMD test methods 25.3, 207.1, 1.1, 1.2, 2.1, 2.2, 2.3, 3.1 and 4.1. [District Rules 1070 and 4565] Federally Enforceable Through Title V Permit
30. Operator may use an alternate test method to those listed above for which written approval of the APCO has been obtained. [District Rules 1081 and 4565] Federally Enforceable Through Title V Permit
31. District shall be notified at least 30 days prior to any compliance source testing, and a source test plan shall be submitted for approval at least 15 days prior to testing. Official test results and field test data from compliance testing shall be submitted within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
32. The following operating parameters shall be documented during times of testing: biofilter exhaust blower discharge pressure and temperature, biofilter air flow, biofilter media temperature (all 16 grids), moisture content and pH (Only two samples of moisture and pH required, samples to be taken at one central location (from at least two feet deep)). Moisture and pH shall also be sampled, and recorded, for every grid in which the temperature is found to be out of the permitted range. [District Rule 1070] Federally Enforceable Through Title V Permit
33. VOC samples shall be analyzed by a lab certified by SCAQMD to perform identified SCAQMD test methods. [District Rule 1081] Federally Enforceable Through Title V Permit
34. Records shall be kept that demonstrate that the facility meets the Rule 4565 class one mitigation measures selected each day that a mitigation measure is performed. [District Rule 4565] Federally Enforceable Through Title V Permit
35. Operator shall maintain an inspection logbook which contains the quarterly VOC hydrocarbon analyzer readings in ppmv for each inspection location (on surface of the ASP), along with the date of the inspection. [District Rule 4565] Federally Enforceable Through Title V Permit
36. Records shall be kept of wet tons per day of biosolids fed into the feedstock mixing operation, daily amendment mix ratio, monthly biofilter temperature, moisture and pH readings, weekly biofilter media temperature and exhaust blower discharge pressure readings, associated biofilter grid locations, and annual VOC emissions on a 12 month rolling average. Records shall be kept of visual inspections and actions taken to correct compaction (and/or high biofilter blower fan pressure(s)), channeling, excessive vegetative growth or a noticeable increase in odors, including date of inspection and date actions were taken to correct problem(s). Records shall be kept of dates and hours each biofilter fan is shutdown for maintenance and/or repair. [District Rules 1070 and 4565] Federally Enforceable Through Title V Permit
37. All records shall be retained on-site for a period of at least five years and made readily available for District inspection upon request. [District Rules 1070 and 4565] Federally Enforceable Through Title V Permit
38. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR Part 64.7. [40 CFR 64.7] Federally Enforceable Through Title V Permit
39. If the District or EPA determine that a quality improvement plan is required under 40 CFR part 64.7(d)(2), the permittee shall develop and implement the quality improvement plan in accordance with 40 CFR part 64.8. [40 CFR 64.8] Federally Enforceable Through Title V Permit
40. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR Part 64.9. [40 CFR 64.9] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-4212-4-2

**EXPIRATION DATE:** 02/28/2021

**EQUIPMENT DESCRIPTION:**

415 BHP DETROIT MODEL 6063MK35 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

## PERMIT UNIT REQUIREMENTS

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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. 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. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Emissions from this engine shall not exceed any of the following: NOx (as NO2): 5.70 grams/hp-hr, CO: 0.40 grams/hp-hr or VOC: 0.14 grams/hp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The PM10 emissions rate shall not exceed 0.08 grams/hp-hr based on US EPA certification using ISO 8178 test procedure. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rule 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
8. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
9. 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] Federally Enforceable Through Title V Permit
10. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
11. This engine shall be operated only for maintenance, testing, and 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 Rules 2201, 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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13. The permittee shall maintain monthly records that include the type of fuel purchased, the amount of fuel purchased, and the date of fuel purchase. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.), and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
15. The permittee shall maintain monthly records of all performance tests, opacity and visible emissions observations and required maintenance performed on the air pollution control and monitoring equipment. [District Rule 1070] Federally Enforceable Through Title V Permit
16. The permittee shall maintain monthly records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of action taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [District Rule 1070] Federally Enforceable Through Title V Permit
17. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

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