

July 27, 2023

Mr. Robert Rankin
South Kern Industrial Center LLC
2653 Santiago Rd
Taft, CA 93268

Re: Notice of Final Action - Title V Permit Renewal
Facility Number: S-4212
Project Number: S-1203712

Dear Mr. Rankin:

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 13, 2022. A summary of the comments and the District's response to each comment is included as an attachment to the engineering evaluation.

The public notice for issuance of the Final Title V Permit will be posted on the District's website (www.valleyair.org).

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,



Brian Clements
Director of Permit Services

Enclosures

cc: Courtney Graham, CARB (w/enclosure) via email
cc: Gerardo Rios, EPA (w/enclosure) via EPS

Samir Sheikh
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

SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT

Final Title V Permit Renewal Evaluation South Kern Industrial Center LLC S-4212

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TITLE V PERMIT RENEWAL EVALUATION

Biosolids Composting Facility

Engineer: GaEun Lee
Date: July 27, 2023

Facility Number: S-4212
Facility Name: South Kern Industrial Center LLC
Mailing Address: 2653 Santiago Rd
Taft, CA 93268

Contact Name: Robert Rankin
Phone: (661) 765-2202

Responsible Official: Robert Rankin
Title: Site Manager

Project # : S-1203712
Deemed Complete: August 31, 2020

I. PROPOSAL

South Kern Industrial Center LLC was issued its last renewed Title V permit on September 12, 2016. As required by District Rule 2520, the applicant is requesting a permit renewal. The existing Title V permit shall be reviewed and modified to reflect all applicable District and federal rules updated, removed, or added since the issuance of the initial Title V permit.

The purpose of this evaluation is to provide the legal and factual basis for all updated applicable requirements and to determine if the facility will comply with these updated requirements. It also specifically identifies all additions, deletions, and/or changes made to permit conditions or equipment descriptions.

II. FACILITY LOCATION

South Kern Industrial Center LLC is located at 2653 Santiago Rd in Taft, CA.

III. EQUIPMENT LISTING

A detailed facility printout listing all permitted equipment at the facility is included as Attachment C.

IV. GENERAL PERMIT TEMPLATE USAGE

The applicant does not propose to use any model general permit templates.

V. SCOPE OF EPA AND PUBLIC REVIEW

The applicant is not requesting any model general permit templates. Therefore, all federally enforceable conditions in this current Title V permit will be subject to EPA and public review.

VI. FEDERALLY ENFORCEABLE REQUIREMENTS

A. Rules Updated or Evaluated

- District Rule 2201, New and Modified Stationary Source Review Rule (amended February 18, 2016 – non-SIP version ⇒ amended August 15, 2019 – non-SIP version)
- District Rule 2520, Federally Mandated Operating Permits (amended June 21, 2001 ⇒ amended August 15, 2019)
- District Rule 4601, Architectural Coatings (amended April 16, 2020 – SIP approved on December 14, 2022)
- District Rule 4702, Internal Combustion Engines (amended November 14, 2013 – SIP version ⇒ amended August 19, 2021 – non-SIP version)
- 40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
- 40 CFR Part 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (amended August 10, 2022)
- 40 CFR Part 64, Compliance Assurance Monitoring (amended October 22, 1997)

- 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners (amended August 11, 2011 ⇒ amended March 24, 2021)
- 40 CFR Part 82, Subpart F, Recycling and Emission Reduction (amended June 18, 2008 ⇒ amended April 10, 2020)

B. Rules Removed

- Fresno County Rule 110, Equipment Breakdown (SIP approved 8/22/1977 ⇒ District resolution to rescind from SIP 2/17/2022)
- Kern County Rule 111, Equipment Breakdown (SIP approved 10/24/1980 ⇒ District resolution to rescind from SIP 2/17/2022)
- Kings County Rule 111, Equipment Breakdown (SIP approved, last amended 6/18/1982 ⇒ District resolution to rescind from SIP 2/17/2022)
- Madera County Rule 113, Equipment Breakdown (SIP approved 11/18/1983 ⇒ District resolution to rescind from SIP 2/17/2022)
- Stanislaus County Rule 110, Equipment Breakdown (SIP approved 6/1/1983 ⇒ District resolution to rescind from SIP 2/17/2022)
- Tulare County Rule 111, Equipment Breakdown (SIP approved 8/22/1977 ⇒ District resolution to rescind from SIP 2/17/2022)

C. Rules Added

There are no applicable rules that were added since the last Title V renewal.

D. Rules Not Updated

- District Rule 1070, Inspections (amended December 17, 1992)
- District Rule 1081, Source Sampling (amended December 16, 1993)
- District Rule 1160, Emission Statements (adopted November 18, 1992)
- District Rule 2010, Permits Required (amended December 17, 1992)
- District Rule 2020, Exemptions (amended December 18, 2014)
- 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)
- District Rule 4101, Visible Emissions (amended February 17, 2005)
- District Rule 4201, Particulate Matter Concentration (amended December 17, 1992)
- District Rule 4565, Biosolids, Animal Manure, and Poultry Litter Operations (adopted March 15, 2007)
- District Rule 4801, Sulfur Compounds (amended December 17, 1992)
- District Rule 8011, Fugitive Dust General Requirements (amended August 19, 2004)
- District Rule 8021, Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities (amended August 19, 2004)
- District Rule 8031, Bulk Materials (amended August 19, 2004)
- District Rule 8041, Carryout and Trackout (amended August 19, 2004)
- District Rule 8051, Open Area (amended August 19, 2004)
- District Rule 8061, Paved and Unpaved Roads (amended August 19, 2004)
- District Rule 8071, Unpaved Vehicle/Equipment Areas (amended September 16, 2004)
- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos (amended July 20, 2004)

VII. REQUIREMENTS NOT FEDERALLY ENFORCEABLE

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

For this facility, the following are not federally enforceable and will not be discussed in further detail:

A. Rules Added/Updated

- Title 17 California Code of Regulations (CCR) Section 93116, Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater (amended November 30, 2018)

Permit unit S-4212-8, a transportable diesel-fired engine powering a trommel screen with a stacking conveyor, is subject to the Title 17 CCR 93116.

Section 93116.3(a) contains fuel requirements. This engine meets compliance with this section by using CARB certified diesel fuel. The rule reference of condition #5 on the draft permit S-4212-8-2 have been revised to include the reference to this rule.

Section 93116.3(b) contains the diesel PM standards. The engine must be certified to meet a federal or California standard for newly manufactured engines pursuant to 40 CFR Part 89, Part 86, or the equivalent categories in Title 13 of the California Code of Regulations. The engine is a Tier 4 final certified engine and meets the requirements of this section.

The rest of this section applies to engine fleets and are not applicable to this engine.

B. Rules Not Updated

- District Rule 1100, Equipment Breakdown (amended December 17, 1992)

This rule defines a breakdown condition and the procedures to follow if one occurs. The following conditions are based on this rule.

Permit	Conditions
S-4212-0-2	1, 2, and 11

However, condition #11 is also required to demonstrate compliance with District Rule 2520, which is federally enforceable. Therefore, Condition #11 of permit S-4212-0-2 is federally enforceable through Title V.

- District Rule 4102, Nuisance (amended December 17, 1992)

The purpose of this rule is to protect the health and safety of the public, and this rule applies to any source operation which emits or may emit air contaminants or other materials. The following conditions are based on this rule:

Permit	Condition
S-4212-0-2	41
S-4212-8-2	7

However, condition #7 of permit unit S-4212-8-2 is also required to demonstrate compliance with District Rule 2201 and 4702, which are federally enforceable. Therefore, condition #7 of permit S-4212-8-2 is federally enforceable through Title V.

C. Rules Removed

- Title 17 California Code of Regulations (CCR) Section 93115, Airborne Toxic Control Measure for Stationary Compression Ignition Engines (adopted February 26, 2004, amended May 19, 2011)

Permit unit S-4212-8, a transportable diesel-fired engine powering a trommel screen with a stacking conveyor, is not subject to the Title 17 CCR 93115. Conditions #3 and 5 of draft permit S-4212-8-2 were revised to remove the reference to this rule.

VIII. PERMIT REQUIREMENTS

The purpose of this evaluation is to review changes to federally enforceable requirements; therefore, this compliance section will only address rules that have been amended or added since the most recent renewal of the Title V permit.

A. Fresno County Rule 110, Kern County Rule 111, Kings County Rule 111, Madera County Rule 113, Stanislaus County Rule 110, and Tulare County Rule 111 - Equipment Breakdown

In accordance with EPA's State Implementation Plan (SIP) Call, on February 17, 2022, the District rescinded Fresno County Rule 110, Kern County Rule 111, Kings County Rule 111, Madera County Rule 113, Stanislaus County Rule 110, and Tulare County Rule 111 from the San Joaquin Valley SIP. Moreover, the references to Merced County Rule 109 and San Joaquin County Rule 110 will be removed from the permit since the facility is not located within Merced County or San Joaquin County.

Thus, on draft facility-wide PTO S-4212-0-2, all references to county breakdown rules have been removed from conditions #1, 2, and 39, and, as a result, conditions #1 and 2 are no longer Federally Enforceable.

B. District Rule 2201 - New and Modified Stationary Source Review Rule

District Rule 2201 has been amended since this facility's Title V permit was last issued. However, the requirements of this rule are only triggered at the time the source undergoes a modification. All applicable requirements from any NSR permit actions have already been incorporated into the current Title V permit.

The equipment description of current PTO S-4212-8-1 was revised to remove language allowing for equivalent equipment to be installed that was inadvertently left on the permit during the implementation of ATC S-4212-8-0 as follows,

TRANSPORTABLE 125 BHP JOHN DEERE MODEL 4045HFC06 TIER 4F
INTERNAL COMBUSTION ENGINE, ~~OR EQUIVALENT~~, POWERING A
VERMEER MODEL TR626 TROMMEL MILL SCREEN WITH STACKING
CONVEYOR

C. District Rule 2520 - Federally Mandated Operating Permits

District Rule 2520 has been amended since this facility's Title V permit was last renewed. The amendments to this rule were administrative, relating only to the notification procedures for Title V permit modifications that are required to go through a public notice. The amendments to this rule did not have any effect on current permit requirements and will therefore not be addressed further in this evaluation. However, greenhouse gas emissions will be addressed under Rule 2520 during this renewal.

Greenhouse Gas Discussion

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 40 CFR 71.2). Therefore, there will be no further discussion of GHG in this evaluation.

D. District Rule 4601 - Architectural Coatings

District Rule 4601 was last amended on April 16, 2020. EPA approved District Rule 4601 as amended on April 16, 2020 for inclusion in the SIP on December 14, 2022.

The purpose of this rule is to limit VOC emissions from architectural coatings. This rule specifies architectural coatings storage, cleanup, and labeling requirements. This rule is applicable to any person who supplies, markets, sells, offers for sale, applies, or solicits the application of any architectural coating, or who manufactures, blends or repackages any architectural coating for use within the San Joaquin Valley Air Pollution Control District.

As required by a September 2016 decision by the U.S. Court of Appeals for the Ninth Circuit in *Bahr v. U.S. Environmental Protection Agency*,¹ the April 16, 2020 amendments to District Rule 4601 added a contingency measure for the District's 2016 Ozone Plan that would remove the exemption for specific categories of coatings sold in small containers with a volume of one liter or less if EPA issues a finding that the San Joaquin Valley Air Basin has failed to attain, or to make reasonable further progress towards attainment of, the 2008 National Ambient Air Quality Standard (NAAQS) for ozone. The April 16, 2020 amendments to District Rule 4601 implemented provisions of the 2019 California Air Resources Board (ARB) Suggested Control Measure for Architectural Coatings,² including lowering VOC limits for several categories of architectural coatings, setting VOC limits for three new categories of architectural coatings, and adding new requirements for colorants.

The primary effect of the April 16, 2020 amendments to District Rule 4601 was reducing VOC content limits required for specific categories of coatings and adding VOC content limits for specific categories of colorants. The previous VOC content limits of District Rule 4601 and the VOC content limits of coatings and colorants that became effective on and after January 1, 2022 are summarized below.

¹ United States Court of Appeals for the Ninth Circuit (September 12, 2016) *Bahr v. U.S. Environmental Protection Agency*. <https://cdn.ca9.uscourts.gov/datastore/opinions/2016/09/12/14-72327.pdf>

² California Air Resources Board (May 2019) California Air Resources Board (CARB) Suggested Control Measure for Architectural Coatings. https://ww2.arb.ca.gov/sites/default/files/2020-05/10602_scm_final.pdf

Section 5.1 - VOC Content Limits:

Except as provided in Sections 5.2 and 5.3, no person shall: manufacture, blend, or repackage for use within the District; or supply, sell, market or offer for sale within the District; or solicit for application or apply within the District any architectural coating or colorant with a VOC content in excess of the corresponding limit specified in Table 1 or Table 2, after the specified effective date in Table 1 or Table 2. Limits are expressed as VOC Regulatory, thinned to the manufacturer's maximum thinning recommendation, excluding any colorant added to tint bases.

Rule 4601, Table 1 - VOC Content Limits for Coatings¹		
COATING CATEGORY	Previous VOC Limit (g/l)	VOC Limit (g/l) Effective on and after 1/1/2022
Flat Coatings	50	50
Nonflat Coatings	100	50
Specialty Coatings	-	-
Aluminum Roof Coatings	400	100
Basement Specialty Coatings	400	400
Bituminous Roof Coatings	50	50
Bituminous Roof Primers	350	350
Bond Breakers	350	350
Building Envelope Coatings	-	50
Concrete Curing Compounds	350	350
Concrete/Masonry Sealers	100	100
Driveway Sealers	50	50
Dry Fog Coatings	150	50
Faux Finishing Coatings	350	350
Fire Resistive Coatings	350	150
Floor Coatings	100	50
Form-Release Compounds	250	100
Graphic Arts Coatings (Sign Paints)	500	500
High Temperature Coatings	420	420
Industrial Maintenance Coatings	250	250
Low Solids Coatings ²	120	120
Magnesite Cement Coatings	450	450
Mastic Texture Coatings	100	100
Metallic Pigmented Coatings	500	500
Multi-Color Coatings	250	250
Pre-Treatment Wash Primers	420	420
Primers, Sealers, and Undercoaters	100	100
Reactive Penetrating Sealers	350	350
Recycled Coatings	250	250
Roof Coatings	50	50
Rust Preventative Coatings	250	250

Rule 4601, Table 1 - VOC Content Limits for Coatings¹		
COATING CATEGORY	Previous VOC Limit (g/l)	VOC Limit (g/l) Effective on and after 1/1/2022
Shellacs:		
Clear	730	730
Opaque	550	550
Specialty Primers, Sealers, and Undercoaters	100	100
Stains	250	100
Interior Stains		250
Stone Consolidants	450	450
Swimming Pool Coatings	340	340
Tile and Stone Sealers		100
Traffic Marking Coatings	100	100
Tub and Tile Refinish Coatings	420	420
Waterproofing Membranes	250	100
Wood Coatings	275	275
Wood Preservatives	350	350
Zinc-Rich Primers	340	340

1 Limits are expressed as VOC Regulatory (except where noted otherwise), thinned to the manufacturer's maximum thinning recommendation, excluding any colorant added to tint bases.

2 Units are grams of VOC per liter of coating, including water and exempt compounds, in accordance with Section 3.72.

Rule 4601, Table 2 VOC Content Limits for Colorants¹	
Colorants Added To	VOC Limit (g/l) Effective on and after 1/1/2022
Architectural Coatings, excluding Industrial Maintenance Coatings	50
Solvent Based Industrial Maintenance Coatings	600
Waterborne Industrial Maintenance Coatings	50
Wood Coatings	600

1 Limits are expressed as VOC Regulatory.

To ensure compliance with this rule as amended 4/16/2020, conditions #23, 24, and 25 of the draft facility-wide permit S-4212-0-2 have been revised as follows:

- No person shall manufacture, blend, repackage, supply, market, sell, solicit or apply any architectural coating or colorant with a VOC content in excess of the applicable limits specified in Table 1 (Coatings) and Table 2 (Colorants) of District Rule 4601 (4/16/20), unless exempted under section 4.0 of District Rule 4601 (Amended 4/16/20). [District Rule 4601]
- All VOC-containing materials subject to Rule 4601 (4/16/20) shall be stored in closed containers when not in use. [District Rule 4601]
- {modified 4386} The permittee shall comply with all the Labeling and Test Methods requirements outlined in District Rule 4601, sections 6.1 and 6.3 (4/16/20). [District Rule 4601]

E. District Rule 4702 - Internal Combustion Engines

The purpose of this rule is to limit the emissions of nitrogen oxides (NO_x), carbon monoxide (CO), volatile organic compounds (VOC), particulate matter (PM), and sulfur oxides (SO_x) from internal combustion engines. This rule applies to any internal combustion engine rated at 25 brake horsepower or greater. The latest amended version of the rule, which is not SIP approved, requires lowering NO_x and VOC emissions for spark-ignited IC engines, clarifying definitions, and updating test methods. In addition, Particulate Matter Emission Control Requirements were added to the rule as Section 5.8, and as such the purpose of the rule was amended to encompass the new requirements.

S-4212-4-3: 415 BHP DETROIT MODEL 6063MK35 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

The amended sections of this rule are not applicable to exempt engines. This unit remains in compliance with both the SIP Approved and Non-SIP approved versions of this rule.

S-4212-8-2: TRANSPORTABLE 125 BHP JOHN DEERE MODEL 4045HFC06 TIER 4F INTERNAL COMBUSTION ENGINE POWERING A VERMEER MODEL TR626 TROMMEL MILL SCREEN WITH STACKING CONVEYOR

The recently amended District Rule 4702 would add PM₁₀ emissions requirements that would require this engine to be EPA/CARB certified. As shown in the equipment description, this unit is a Tier 4 Final engine and would meet the Non-SIP approved version of District Rule 4702. Therefore, this unit remains in compliance with both the SIP Approved and Non-SIP approved versions of this rule.

F. 40 CFR Part 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

The facility has two IC engines under permit: one stationary emergency-standby diesel IC engine (S-4212-4) and one transportable (i.e. mobile) diesel IC engine powering a screen and stacking conveyor (S-4212-8).

This subpart does not apply to transportable (i.e. non-road) IC engines. Therefore, no further discussion is required for S-4212-8.

In the preliminary decision of this draft Title V Renewal, the District erroneously applied this subpart based on a misinterpretation of the permitting record, resulting in an inaccurate commencement of construction date. ATC S-4212-4-0 authorized the construction of a 755 bhp diesel-fired emergency IC engine or equivalent on June 8, 2004. The facility proposed and the District approved as equivalent a 415 bhp Detroit model 6063MK35 diesel-fired emergency IC engine on November 14, 2006. South Kern Industrial Center LLC had notified the District prior to receiving ATC S-4212-4-0 that the equipment would not be installed without the District's consent after review of the equivalent engine information. Therefore, it is assumed the facility commenced the construction of S-4212-4-0 on or after November 14, 2006. The engine permitted as S-4212-4 will therefore be classified as a "new" stationary reciprocating internal combustion engine (RICE) as defined in Section 63.6590(a)(2)(ii).

Section 63.6590(c) states an affected source that meets any of the criteria in paragraphs (c)(1) through (7) of the section must meet the requirements of the part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines, or 40 CFR part 60 subpart JJJJ, for spark ignition engines. S-4212-4 is a "new" compression ignition emergency stationary RICE located at an area source of HAP emissions, which meets the criteria in Section 63.6590(c)(1); therefore, it is subject to 40 CFR part 60 subpart IIII in place of 40 CFR part 63. No further requirements apply for the engine under this part.

G. 40 CFR Part 60, Subpart IIII - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) and other persons as specified in paragraphs (a)(1) through (4) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

The stationary compression ignition IC engine permitted as S-4212-4 was manufactured in January 2006 (See Attachment D), and the permitting record indicates its construction commenced at the facility on or after November 14, 2006. The engine does not satisfy any NSPS applicability date in paragraphs (a)(1) through (3) of this subpart. Since construction of S-4212-4 commenced construction after July 11, 2005, paragraph (a)(4) applies (i.e. section 60.4208). Section 60.4208 specifies the deadline for installing previous model year engines. S-4212-4 was installed before any of the applicable deadlines indicated; therefore S-4212-4 meets the model year installation requirements under Subpart III.

H. 40 CFR Part 64 - Compliance Assurance Monitoring (CAM)

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

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

Pollutant	Major Source Threshold (lb/year)
NO _x	20,000
SO _x	140,000
PM ₁₀	140,000
CO	200,000
VOC	20,000

S-4212-1-8: 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

This permit unit has emission limits for PM₁₀ and VOC. The unit is equipped with an add-on control system in the form of a biofilter which only controls VOC emissions. Therefore, this unit can only be subject to CAM for VOC emissions.

The biofilter reduces VOC emissions by at least 80%. The pre-control potential to emit for this unit will be calculated based on the emission limit of 7.4 lb-VOC/day per current permit requirements. Pre-control emissions are calculated as follows:

$$\begin{aligned}\text{Pre-Control VOC} &= \text{Annual Emission} \div (1 - \text{Control Efficiency}) \\ &= (7.4 \text{ lb-VOC/day} \times 365 \text{ day/year}) \div (1 - 0.8) \\ &= 13,505 \text{ lb-VOC/year}\end{aligned}$$

As demonstrated above the pre-control VOC emissions are less than the major source threshold of 20,000 lb-VOC/year. Therefore, this unit is not subject to CAM.

S-4212-2-8: BIOSOLIDS CO-COMPOSTING OPERATION INCLUDING TWENTY POSITIVELY AERATED STATIC PILE (ASP) COMPOSTING ZONES, EACH WITH A MAINTAINED FINISHED COMPOST BIOFILTER LAYER CAP; INCLUDING BLOWER FANS AND SURFACE SPRINKLER SYSTEM

This permit unit has emission limits for VOC. The unit is equipped with an add-on control system in the form of a biofilter which controls VOC emissions. Therefore, this unit can be subject to CAM for VOC emissions.

The post-control potential to emit for this unit exceeds the major source threshold of 20,000 lb-VOC/year; therefore, the pre-control VOC emissions are also expected to be greater than the major source threshold. Therefore, this unit is subject to CAM. Conditions #34, 35, and 36 of the draft permit ensure compliance with CAM requirements.³

S-4212-4-3: 415 BHP DETROIT MODEL 6063MK35 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

This permit unit has emission limits for NO_x, SO_x, PM₁₀, CO and VOC pollutants. However, the unit is not equipped with an add-on control. Therefore, this unit is not subject to CAM requirements.

³ The original CAM compliance determination was performed in the Initial Title V project (S-1094617). In the Initial Title V project, the District noted that the biofilter is not a mechanical system that lends itself to conventional CAM requirements. However, the biofilter is monitored weekly, or monthly, depending on the parameter, through a combination of parameters, e.g. pH, temperature, moisture, discharge pressure, vegetative growth, physical integrity, and odors, that includes provisions for corrective action to ensure optimal function in between source tests. The District and U.S. EPA have accepted the biofilter monitoring requirements listed on permit S-4212-1 (shared with S-4212-2) as meeting the purpose of CAM.

N-4212-8-2: TRANSPORTABLE 125 BHP JOHN DEERE MODEL 4045HFC06
TIER 4F INTERNAL COMBUSTION ENGINE POWERING A VERMEER
MODEL TR626 TROMMEL MILL SCREEN WITH STACKING CONVEYOR

This permit unit has emission factors for NO_x, SO_x, PM₁₀, CO and VOC. Per CARB Executive Order U-R-004-0523-1 for the John Deere engine, the engine is equipped with a SCR system using urea to control NO_x emissions, and a diesel oxidation catalyst to control PM₁₀ emissions. CAM is not required for SO_x, CO or VOC since there is no add-on control for these pollutants. The uncontrolled emissions of NO_x and PM₁₀ are calculated as follows.

NO_x:

Per the permit requirements the NO_x emission factor is 0.25 g-NO_x/bhp-hr. The SCR system using urea has a NO_x control efficiency between 70% and 90%. For worst case it will be assumed the SCR system has a control efficiency of 90%.

$$\begin{aligned}\text{Uncontrolled PE} &= \text{Emission Factor} \times \text{Horsepower Rating} \times \text{Hours of Operation} \\ &\div (1 - \text{Control Efficiency}) \\ &= 0.25 \text{ g-NO}_x/\text{bhp-hr} \times 125 \text{ bhp} \times 8,760 \text{ hr} \div (1 - 0.90) \times 1 \\ &\quad \text{lb}/453.6 \text{ g} \\ &= 6,035 \text{ lb-NO}_x/\text{year}\end{aligned}$$

The uncontrolled emissions are less than the CAM threshold of 20,000 lb-NO_x/year. Therefore, CAM requirements are not triggered for NO_x.

PM₁₀:

Per the permit requirements the PM₁₀ emission factor is 0.01 g-PM₁₀/bhp-hr. The diesel oxidation catalyst has a PM₁₀ control efficiency between 20% and 40%. For worst case it will be assumed the SCR system has a control efficiency of 40%.

$$\begin{aligned}\text{Uncontrolled PE} &= \text{Emission Factor} \times \text{Horsepower Rating} \times \text{Hours of Operation} \\ &\div (1 - \text{Control Efficiency}) \\ &= 0.01 \text{ g-PM}_{10}/\text{bhp-hr} \times 125 \text{ bhp} \times 8,760 \text{ hr} \div (1 - 0.40) \times 1 \\ &\quad \text{lb}/453.6 \text{ g} \\ &= 40 \text{ lb-PM}_{10}/\text{year}\end{aligned}$$

The uncontrolled emissions are less than the CAM threshold of 140,000 lb-PM₁₀/year. Therefore, CAM requirements are not triggered for PM₁₀.

I. 40 CFR Part 82, Subpart B - Servicing of Motor Vehicle Air Conditioners

The purpose of 40 CFR Part 82 Subpart B is to implement section 609 of the Clean Air Act, as amended regarding the servicing of motor vehicle air conditioners (MVACs), and to implement section 608 of the Clean Air Act regarding certain servicing, maintenance, repair and disposal of air conditioners in MVACs and MVAC-like appliances.

These regulations apply to any person performing service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner.

The amendments to this subpart do not result in a modification to the current permit requirement included as condition #28 of draft facility-wide permit S-4212-0-2. Therefore, the modifications to this subpart are not addressed any further in this evaluation.

J. 40 CFR Part 82, Subpart F - Recycling and Emissions Reductions

The purpose of 40 CFR Part 82 Subpart F is to reduce emissions of class I and class II refrigerants and their substitutes to the lowest achievable level by maximizing the recapture and recycling of such refrigerants during the maintenance, service, repair, and disposal of appliances and restricting the sale of refrigerants consisting in whole or in part of a class I and class II ozone-depleting substance or their non-exempt substitutes in accordance with Title VI of the Clean Air Act.

This subpart applies to any person maintaining, servicing, or repairing appliances. This subpart also applies to persons disposing of appliances (including small appliances and motor vehicle air conditioners), refrigerant reclaimers, technician certifying programs, appliance owners and operators, manufacturers of appliances, manufacturers of recovery and/or recycling equipment, approved recovery and/or recycling equipment testing organizations, and persons buying, selling, or offering to sell class I, class II, or non-exempt substitute refrigerants.

The amendments to this subpart do not result in a modification to the current permit requirement included as condition #27 of draft facility-wide permit S-4212-0-2. Therefore, the modifications to this subpart are not addressed any further in this evaluation.

IX. PERMIT SHIELD

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

A. Requirements Addressed by Model General Permit Templates

The applicant has not proposed to use any model general permit templates.

B. Requirements not Addressed by Model General Permit Templates

The applicant has not requested any permit shields other than as discussed above.

C. Obsolete Permit Shields From Existing Permit Requirements

As noted in Section VIII. A, Fresno County Rule 110, Kern County Rule 111, Kings County Rule 111, Madera County Rule 113, Stanislaus County Rule 110, and Tulare County Rule 111 have been rescinded from the San Joaquin Valley SIP. Also, the facility is not located within Merced County or San Joaquin County, therefore, Merced County Rule 109 and San Joaquin County Rule 110 are not applicable to the facility. Therefore, condition #39 in permit S-4212-0-2 has been revised to remove the permit shield granted for the rules:

- 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) and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520] Y

As noted in Section VIII. D, District Rule 4601 was amended on April 16, 2020 and was included in the SIP on December 14, 2022. Therefore, condition #40 in permit S-4212-0-2 has been revised as follows:

- 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 (4/16/20); 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] Y

X. CALIFORNIA ENVIRONMENTAL QUALITY ACT

The purpose of the Title V permit renewal is to update the permit to ensure that any changes to regulations since the issuance of the initial Title V permit or most recent renewal of the Title V permit are incorporated as permit requirements.

Per the California Environmental Quality Act (CEQA) Statute §21080.24, and CEQA Guidelines §15281, the issuance, modification, amendment, or renewal of any permit by an air pollution control district or air quality management district pursuant to Title V is exempt from CEQA, unless the issuance, modification, amendment, or renewal authorizes a physical or operational change to a source or facility. There will be no physical or operational change to the source or facility nor will the Title V permit renewal authorize a physical or operational change to the source or facility. Therefore, this project, a Title V permit renewal, is subject to a ministerial action that is exempt from CEQA.

XI. PERMIT CONDITIONS

See Attachment A - Draft Renewed Title V Operating Permit.

ATTACHMENTS

- A. Draft Renewed Title V Operating Permit
- B. Previous Title V Operating Permit
- C. Detailed Summary List of Facility Permits
- D. Engine Dataplate
- E. Public Comments and District Responses

ATTACHMENT A

Renewed Title V Operating Permit

San Joaquin Valley Air Pollution Control District

FACILITY: S-4212-0-2

EXPIRATION DATE: 02/28/2026

FACILITY-WIDE REQUIREMENTS

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]
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]
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, 9.8.1 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
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

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 RD, TAFT, CA 93268

S-4212-0-2 : Aug 29 2023 11:28AM -- LEEG

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, market, sell, solicit or apply any architectural coating or colorant with a VOC content in excess of the applicable limits specified in Table 1 (Coatings) and Table 2 (Colorants) of District Rule 4601 (4/16/20), unless exempted under section 4.0 of District Rule 4601 (Amended 4/16/20). [District Rule 4601] Federally Enforceable Through Title V Permit
24. All VOC-containing materials subject to Rule 4601 (4/16/20) shall be stored in closed containers when not in use. [District Rule 4601] 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 (4/16/20). [District Rule 4601] 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 8011 and 8021] 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 8011 and 8031] 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 8011 and 8041] 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 8011 and 8051] 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 8011 and 8061] 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 8011 and 8071] 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) and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520] 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 (4/16/20); 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] 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-4212-1-8

EXPIRATION DATE: 02/28/2026

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

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. At least one of two biofilter blower fans shall be operating at all times but 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. NH3 emissions from the biofilter shall not exceed 0.4 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
17. 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
18. 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
19. Biofilter exhaust blower discharge pressure shall not exceed 5.0 psig. [District Rule 2201] Federally Enforceable Through Title V Permit
20. 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
21. 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
22. 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
23. Vegetative growth shall not exceed 10% of the total biofilter surface. [District Rule 2201] Federally Enforceable Through Title V Permit
24. 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
25. 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
26. 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
27. 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
28. 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
29. District witnessed source testing of biofilter performed to measure VOC and NH3 inlet concentrations, inlet flowrate, and VOC and NH3 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

30. 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
31. 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
32. 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
33. 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
34. VOC and NH3 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
35. 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-4212-2-8

EXPIRATION DATE: 02/28/2026

EQUIPMENT DESCRIPTION:

BIOSOLIDS CO-COMPOSTING OPERATION INCLUDING TWENTY POSITIVELY AERATED STATIC PILE (ASP) COMPOSTING ZONES, EACH WITH A MAINTAINED FINISHED COMPOST BIOFILTER LAYER CAP; INCLUDING BLOWER FANS AND SURFACE SPRINKLER SYSTEM

PERMIT UNIT REQUIREMENTS

1. All materials for processing shall be maintained adequately moist to prevent visible emissions in excess of 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
2. Co-composting shall be performed in positively aerated static piles (+ASPs) with a biofilter layer and an engineered, under pile, grid aeration system. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
3. Water shall be applied as needed to maintain optimum biofilter cap media temperature and moisture content. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
4. Air pollution equipment (variable speed drive blower fans, ducting, etc.) shall be properly maintained in accordance with manufacturer recommendations, except for times of maintenance and/or repair allowed by conditions below. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
5. Mechanical equipment associated with each +ASP may be taken out of service for a total of 48 hours per 6-month time period for the purpose of maintenance and/or repair. [District Rules 2020 and 2201] Federally Enforceable Through Title V Permit
6. Each +ASP shall be covered with at least 24" of finished compost within two days of constructing the +ASP (placing feedstock in that +ASP zone). [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
7. The VOC destruction efficiency across each biofilter cap serving the co-compost +ASPs shall not be less than 80%, or, the total VOC emission rate shall not exceed 2 pounds in any one day. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
8. The NH₃ destruction efficiency across each biofilter cap serving the co-compost +ASPs shall not be less than 80%, or, the total NH₃ emission rate shall not exceed 2 pounds in any one day. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
9. Maximum quantity of feedstock (mixed biosolids and amendments) introduced into co-compost +ASPs shall not exceed 6,466 tons/day nor 670,000 tons/year (based on a rolling 12 months). [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
10. VOC emissions from this permit unit (includes all +ASP surfaces with their biofilter caps) shall not exceed 0.23826 b/ton throughput. Throughput is defined as wet ton, as mixed, feedstock introduced into compost ASPs. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
11. VOC emissions from the biofilter caps serving the co-composting zones shall not exceed 1,540.6 lb/day or 159,634 lb/year. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
12. NH₃ emissions from the +ASPs shall not exceed 0.2203lb/ton throughput. Throughput is defined as wet ton, as mixed, feedstock introduced into compost +ASPs. [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.

13. NH₃ emissions from the biofilter caps serving the co-composting zones shall not exceed 1424.5 lb/day. [District Rules 2201 and 4565] 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 Rules 2201 and 4565] Federally Enforceable Through Title V Permit
15. Each biofilter cap aeration fan shall operate as needed to maintain moisture content between 45 and 80% and temperature between 80 and 120 degree F, as measured at an appropriate depth below the media surface. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
16. +ASPs shall have no measurable increase (<0.45 ppmv increase) over background levels of hydrocarbons within three feet of any surface of any +ASP/biofilter caps. Testing shall be performed once per quarter in accordance with the requirements of Rule 4565 section 5.4 using a District approved analyzer. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
17. Every +ASP biofilter cap temperature and moisture shall be monitored monthly by sampling at least one location on each +ASP. 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 filled immediately with the excavated material. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
18. +ASP biofilter cap surface, for source testing purposes, shall be divided into two rectangular sub-zones uniformly sized areas (two half zones per zone). When source testing the +ASP/biofilter cap, a minimum of four representative test points shall be used testing along diagonal transect lines per sub-zones with six points along the line with testing on the four inner points on the transect line. Testing shall be performed on eight days of the 45 day compost life-cycle (recommended Day 1, 3, 5, 7, 14, 21, 28, 45) for a total of 32 flux samples with an additional 10% QC samples (5% blank samples and 5% replicate samples). [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
19. Biofilter media cap shall be maintained at a depth of 18" to 24", as needed, to maintain the effective biofilter layer on the compost surface. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
20. Biofilter caps shall be checked visually at least weekly for compaction, moisture level, channeling (cracks), or noticeable increase in detectable odors. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
21. Biofilter cap media temperature shall be monitored weekly with automatic or manual temperature probe(s) inserted into a minimum of 4 representative test points along an approximate diagonal transect line for each ASP zone. If manual probes are utilized the probe shall remain in place for 30 to 90 seconds to allow the temperature reading to stabilize before recording the temperature. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
22. If any +ASP/biofilter cap media temperature reading is out of range, then the biofilter cap moisture shall be tested, and recorded, for the corresponding zone(s). [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
23. If any biofilter cap monitoring parameter is out of range, the applicant shall perform the necessary maintenance to return the media parameter(s) to the permitted range within one 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 additional biofilter media shall be added within ten days until the monitoring parameters are documented to be within appropriate operational ranges. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
24. Demonstration of compliance with biofilter cap VOC daily emissions limit (DEL) and control efficiency shall be performed not less than once every two years thereafter. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
25. The following biofilter cap test methods shall be used: biofilter temperature - EPA method 170.1, moisture content - TMECC 03.09 (Total solids and moisture at 70+1 to 5 degrees centigrade), VOC leaks - EPA Method 21 (VOC leaks), and hydrocarbon analyzer for VOCs calibrated with certified zero and 10 ppmv methane standards. [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.

26. District witnessed source testing to determine surface VOC concentrations, flowrate, and destruction efficiency across selected +ASP biofilter caps shall be performed by an independent testing laboratory certified for SCAQMD test methods 25.3, and 201.1. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
27. Operator may use an alternate test method to those listed above for which written approval of the APCO has been obtained. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
28. 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 Rules 2201 and 4565] Federally Enforceable Through Title V Permit
29. VOC samples shall be analyzed by a lab certified by SCAQMD to perform identified SCAQMD test methods. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
30. 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 Rules 2201 and 4565] Federally Enforceable Through Title V Permit
31. 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/biofilter cap), along with the date of the inspection. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
32. Records shall be kept of wet tons per day of biosolids fed into the feedstock mixing operation, daily amendment mix ratio, monthly biofilter cap temperature, moisture readings, weekly biofilter cap temperature and blower inlet pressure readings, associated biofilter cap zone 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 +ASP/biofilter cap 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 +ASP fan is taken out of service for maintenance and/or repair. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
33. 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 2201 and 4565] Federally Enforceable Through Title V Permit
34. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR Part 64.7. [40 CFR Part 64.7] Federally Enforceable Through Title V Permit
35. 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 Part 64.8] Federally Enforceable Through Title V Permit
36. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR Part 64.9. [40 CFR Part 64.9] 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-4212-4-3

EXPIRATION DATE: 02/28/2026

EQUIPMENT DESCRIPTION:

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

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. 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: NO_x (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 and 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

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

Facility Name: SOUTH KERN INDUSTRIAL CENTER LLC

Location: 2653 SANTIAGO RD, TAFT, CA 93268

S-4212-4-3 : Aug 29 2023 11:33AM -- LEEG

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 operation¹⁶ 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. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4702 and 17 CCR 93115] 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-4212-8-2

EXPIRATION DATE: 02/28/2026

SECTION: 24 **TOWNSHIP:** 32S **RANGE:** 25E

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 125 BHP JOHN DEERE MODEL 4045HFC06 TIER 4F INTERNAL COMBUSTION ENGINE
POWERING A VERMEER MODEL TR626 TROMMEL MILL SCREEN WITH STACKING CONVEYOR

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] 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. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702] Federally Enforceable Through Title V Permit
4. 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 daily hours of operation with start and stop times, type of fuel used, annual maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. The engine operating log shall also include the total time engine operates in hours per calendar year. [District Rule 4702] Federally Enforceable Through Title V Permit
5. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4702 and 4801; and 17 CCR 93116] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed any of the following limits: 0.25 g-NOx/bhp-hr, 0.07 g-CO/bhp-hr, or 0.01 g-VOC/bhp-hr. [District Rules 2201 and 4702] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed 0.01 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201, 4102, and 4702] Federally Enforceable Through Title V Permit
8. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit

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

ATTACHMENT B

Previous Title V Operating Permit

San Joaquin Valley Air Pollution Control District

FACILITY: S-4212-0-1

EXPIRATION DATE: 02/28/2021

FACILITY-WIDE REQUIREMENTS

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, 9.8.1 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 RD, TAFT, CA 93268

S-4212-0-1 : May 19 2022 8:43AM -- LEEG

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 8011 and 8021] 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 8011 and 8031] 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 8011 and 8041] 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 8011 and 8051] 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 8011 and 8061] 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 8011 and 8071] 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-4212-1-7

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

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. At least one of two biofilter blower fans shall be operating at all times but 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. NH3 emissions from the biofilter shall not exceed 0.4 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
17. 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
18. 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
19. Biofilter exhaust blower discharge pressure shall not exceed 5.0 psig. [District Rule 2201] Federally Enforceable Through Title V Permit
20. 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
21. 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
22. 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
23. Vegetative growth shall not exceed 10% of the total biofilter surface. [District Rule 2201] Federally Enforceable Through Title V Permit
24. 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
25. 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
26. 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
27. 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
28. 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
29. District witnessed source testing of biofilter performed to measure VOC and NH3 inlet concentrations, inlet flowrate, and VOC and NH3 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

30. 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
31. 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
32. 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
33. 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
34. VOC and NH3 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
35. 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-4212-2-6

EXPIRATION DATE: 02/28/2021

EQUIPMENT DESCRIPTION:

BIOSOLIDS CO-COMPOSTING OPERATION INCLUDING TWENTY POSITIVELY AERATED STATIC PILE (ASP) COMPOSTING ZONES, EACH WITH A MAINTAINED FINISHED COMPOST BIOFILTER LAYER CAP; INCLUDING BLOWER FANS AND SURFACE SPRINKLER SYSTEM

PERMIT UNIT REQUIREMENTS

1. All materials for processing shall be maintained adequately moist to prevent visible emissions in excess of 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
2. Co-composting shall be performed in positively aerated static piles (+ASPs) with a biofilter layer and an engineered, under pile, grid aeration system. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
3. Water shall be applied as needed to maintain optimum biofilter cap media temperature and moisture content. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
4. Air pollution equipment (variable speed drive blower fans, ducting, etc.) shall be properly maintained in accordance with manufacturer recommendations, except for times of maintenance and/or repair allowed by conditions below. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
5. Mechanical equipment associated with each +ASP may be taken out of service for a total of 48 hours per 6-month time period for the purpose of maintenance and/or repair. [District Rules 2020 and 2201] Federally Enforceable Through Title V Permit
6. Each +ASP shall be covered with at least 24" of finished compost within two days of constructing the +ASP (placing feedstock in that +ASP zone). [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
7. The VOC destruction efficiency across each biofilter cap serving the co-compost +ASPs shall not be less than 80%, or, the total VOC emission rate shall not exceed 2 pounds in any one day. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
8. The NH3 destruction efficiency across each biofilter cap serving the co-compost +ASPs shall not be less than 80%, or, the total NH3 emission rate shall not exceed 2 pounds in any one day. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
9. Maximum quantity of feedstock (mixed biosolids and amendments) introduced into co-compost +ASPs shall not exceed 6,466 tons/day nor 670,000 tons/year (based on a rolling 12 months). [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
10. VOC emissions from this permit unit (includes all +ASP surfaces with their biofilter caps) shall not exceed 0.23826 b/ton throughput. Throughput is defined as wet ton, as mixed, feedstock introduced into compost ASPs. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
11. VOC emissions from the biofilter caps serving the co-composting zones shall not exceed 1,540.6 lb/day or 159,634 lb/year. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
12. NH3 emissions from the +ASPs shall not exceed 0.2203lb/ton throughput. Throughput is defined as wet ton, as mixed, feedstock introduced into compost +ASPs. [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.

13. NH₃ emissions from the biofilter caps serving the co-composting zones shall not exceed 1424.5 lb/day. [District Rules 2201 and 4565] 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 Rules 2201 and 4565] Federally Enforceable Through Title V Permit
15. Each biofilter cap aeration fan shall operate as needed to maintain moisture content between 45 and 80% and temperature between 80 and 120 degree F, as measured at an appropriate depth below the media surface. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
16. +ASPs shall have no measurable increase (<0.45 ppmv increase) over background levels of hydrocarbons within three feet of any surface of any +ASP/biofilter caps. Testing shall be performed once per quarter in accordance with the requirements of Rule 4565 section 5.4 using a District approved analyzer. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
17. Every +ASP biofilter cap temperature and moisture shall be monitored monthly by sampling at least one location on each +ASP. 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 filled immediately with the excavated material. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
18. +ASP biofilter cap surface, for source testing purposes, shall be divided into two rectangular sub-zones uniformly sized areas (two half zones per zone). 'When source testing the +ASP/biofilter cap, a minimum of four representative test points shall be used testing along diagonal transect lines per sub-zones with six points along the line with testing on the four inner points on the transect line. Testing shall be performed on eight days of the 45 day compost life-cycle (recommended Day 1,3,5,7,14,21,28,45) for a total of 32 flux samples with an additional 10% QC samples (5% blank samples and 5% replicate samples) [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
19. Biofilter media cap shall be maintained at a depth of 18" to 24", as needed, to maintain the effective biofilter layer on the compost surface. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
20. Biofilter caps shall be checked visually at least weekly for compaction, moisture level, channeling (cracks), or noticeable increase in detectable odors. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
21. Biofilter cap media temperature shall be monitored weekly with automatic or manual temperature probe(s) inserted into a minimum of 4 representative test points along an approximate diagonal transect line for each ASP zone. If manual probes are utilized the probe shall remain in place for 30 to 90 seconds to allow the temperature reading to stabilize before recording the temperature. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
22. If any +ASP/biofilter cap media temperature reading is out of range, then the biofilter cap moisture shall be tested, and recorded, for the corresponding zone(s). [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
23. If any biofilter cap monitoring parameter is out of range, the applicant shall perform the necessary maintenance to return the media parameter(s) to the permitted range within one 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 additional biofilter media shall be added within ten days until the monitoring parameters are documented to be within appropriate operational ranges. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
24. Demonstration of compliance with biofilter cap VOC daily emissions limit (DEL) and control efficiency shall be performed not less than once every two years thereafter. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
25. The following biofilter cap test methods shall be used: biofilter temperature - EPA method 170.1, moisture content - TMECC 03.09 (Total solids and moisture at 70±1 to 5 degrees centigrade), VOC leaks - EPA Method 21 (VOC leaks), and hydrocarbon analyzer for VOCs calibrated with certified zero and 10 ppmv methane standards. [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.

26. District witnessed source testing to determine surface VOC concentrations, flowrate, and destruction efficiency across selected +ASP biofilter caps shall be performed by an independent testing laboratory certified for SCAQMD test methods 25.3, and 201.1. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
27. Operator may use an alternate test method to those listed above for which written approval of the APCO has been obtained. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
28. 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 Rules 2201 and 4565] Federally Enforceable Through Title V Permit
29. VOC samples shall be analyzed by a lab certified by SCAQMD to perform identified SCAQMD test methods. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
30. 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 Rules 2201 and 4565] Federally Enforceable Through Title V Permit
31. 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/biofilter cap), along with the date of the inspection. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
32. Records shall be kept of wet tons per day of biosolids fed into the feedstock mixing operation, daily amendment mix ratio, monthly biofilter cap temperature, moisture readings, weekly biofilter cap temperature and blower inlet pressure readings, associated biofilter cap zone 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 +ASP/biofilter cap 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 +ASP fan is taken out of service for maintenance and/or repair. [District Rules 2201 and 4565] Federally Enforceable Through Title V Permit
33. 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 2201 and 4565] Federally Enforceable Through Title V Permit
34. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR Part 64.7 [40 CFR Part 64.7] Federally Enforceable Through Title V Permit
35. 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 Part 64.8] Federally Enforceable Through Title V Permit
36. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR Part 64.9. [40 CFR Part 64.9] 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-4212-4-2

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

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: NO_x (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

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

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

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4212-8-1

EXPIRATION DATE: 02/28/2021

SECTION: 24 **TOWNSHIP:** 32S **RANGE:** 25E

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 125 BHP JOHN DEERE MODEL 4045HFC06 TIER 4F INTERNAL COMBUSTION ENGINE, OR EQUIVALENT, POWERING A VERMEER MODEL TR626 TROMMEL MILL SCREEN WITH STACKING CONVEYOR

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] 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. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. 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 daily hours of operation with start and stop times, type of fuel used, annual maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. The engine operating log shall also include the total time engine operates in hours per calendar year. [District Rule 4702] Federally Enforceable Through Title V Permit
5. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4702 and 4801, and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed any of the following limits: 0.25 g-NOx/bhp-hr, 0.07 g-CO/bhp-hr, or 0.01 g-VOC/bhp-hr. [District Rule 2201 and 4702] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed 0.01 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 4702] Federally Enforceable Through Title V Permit
8. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit

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

ATTACHMENT C

Detailed Summary List of Facility Permits

Detailed Facility Report
For Facility=4212
Sorted by Facility Name and Permit Number

SOUTH KERN INDUSTRIAL CENTER LLC		FAC #	S 4212	TYPE:	TitleV	EXPIRE ON:	02/28/2026
2653 SANTIAGO RD		STATUS:	A	TOXIC ID:	60314	AREA:	7 /
TAFT, CA 93268		TELEPHONE:				INSP. DATE:	04/24

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
S-4212-1-8	400 hp	3020-01 F	1	731.00	731.00	A	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
S-4212-2-8	400 to 800 hp	3020-01 F	1	731.00	731.00	A	BIOSOLIDS CO-COMPOSTING OPERATION INCLUDING TWENTY POSITIVELY AERATED STATIC P
S-4212-3-2	330 hp	3020-01 E	1	495.00	495.00	D	FINISHED COMPOSTING PRODUCT SCREENING AND STACKING OPERATION, INCLUDING FEED HOPPERS, CONVEYORS, TWO TROMMEL SCREENS, DISCHARGE CONVEYORS AND STACKOUT CONVEYORS EQUIPPED WITH OPERATIONAL WATER SPRAY BARS
S-4212-4-3	415 bhp IC engine	3020-10 D	1	577.00	577.00	A	415 BHP DETROIT MODEL 6063MK35 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR
S-4212-5-1	miscellaneous	3020-06	1	128.00	128.00	D	TRANSPORTABLE TROMMEL MILL SCREEN POWERED BY LIMITED LIFE TIER 2 125 BHP DEERE MODEL 4045H DIESEL-FIRED IC ENGINE INCLUDING DISCHARGE STACKOUT CONVEYOR SERVED BY WATER SPRAY BARS
S-4212-6-0	miscellaneous	3020-06	1	128.00	128.00	D	65 CU YD PER HOUR CAPACITY TROMMEL MILL SCREEN WITH ASSOCIATED CONVEYORS SERVED BY WATER SPRAY BARS AND 49 HP (PERMIT EXEMPT) DIESEL FIRED IC ENGINE
S-4212-7-1	140 hp	3020-10 B	1	143.00	143.00	D	TRANSPORTABLE TROMMEL MILL SCREEN POWERED BY LIMITED LIFE TIER 3 140 BHP DEERE MODEL 4045HF285 DIESEL-FIRED IC ENGINE INCLUDING DISCHARGE STACKOUT CONVEYOR SERVED BY WATER SPRAY BARS
S-4212-8-2	125 bhp	3020-10 B	1	143.00	143.00	A	TRANSPORTABLE 125 BHP JOHN DEERE MODEL 4045HFC06 TIER 4F INTERNAL COMBUSTION ENGINE POWERING A VERMEER MODEL TR626 TROMMEL MILL SCREEN WITH STACKING CONVEYOR

Number of Facilities Reported: 1

ATTACHMENT D

Engine Dataplate



ATTACHMENT E

Public Comments and District Responses

Public Comments / District Responses

Public comments regarding the preliminary decision South Kern Industrial Center LLC's Title V permit renewal are provided below followed by the District's responses.

South Kern Industrial Center LLC Comment #1:

Condition #12 contradicts with District Rule 4702 Section 4.3.1, which exempts qualifying emergency engines (i.e. those used exclusively to protect property, human life, or public health during a disaster or state of emergency) from any requirements of Rule 4702 except for the administrative requirements of Section 6.2.3.

District Response to South Kern Industrial Center LLC Comment #1:

The engine permitted as S-4212-4 is an emergency standby IC engine; therefore, Section 4.2 of District Rule 4702 should be applied. Section 4.2 states that the engine is subject to the requirements of Sections 5.10 and 6.2.3. Condition #12 is therefore applicable per Section 5.10.3. Section 4.3 is not applicable to this unit because the IC engine is not limited to operate only for protection of property, human life, or public health during a disaster or state of emergency.

South Kern Industrial Center LLC Comment #2:

40 CFR 63.6590(c)(1) states that a new stationary RICE located at an area source shall demonstrate compliance with Subpart ZZZZ by following 40 CFR Part 60 Subpart IIII requirements, and no further requirements should apply under Part 63. The engine permitted as S-4212-4 is a new engine based on its date of commencement of construction. Therefore, Conditions #13 through 17 that cite Subpart ZZZZ should not be included in the permit.

District Response to South Kern Industrial Center LLC Comment #2:

The District concurs with the comment. The District applied 40 CFR Part 63 Subpart ZZZZ to unit S-4212-4 based on a misinterpretation of the permitting record, resulting in an inaccurate commencement of construction date. ATC S-4212-4-0 allowed the construction of a 755 bhp diesel-fired emergency IC engine or equivalent, and 415 bhp Detroit model 6063MK35 diesel-fired emergency IC engine was determined to be equivalent on November 14, 2006. South Kern Industrial Center LLC had notified the District prior to receiving ATC S-4212-4-0 that the equipment would not be installed without the District's consent after review of the equivalent engine information. Therefore, it is assumed the facility commenced the construction of S-4212-4 on or after November 14, 2006. The engine permitted as S-4212-4 should therefore be classified as a "new" stationary reciprocating internal combustion engine (RICE) as defined in Section

63.6590(a)(2)(ii). For such a “new” engine, Subpart ZZZZ only requires that the engine meet the applicable requirements of 40 CFR Part 60 Subpart IIII. The District thus reviewed 40 CFR Part 60 Subpart IIII for potential requirements that would apply to S-4212-4 and determined Subpart IIII had no applicable requirements based on the IC engine’s manufacture date and the commenced construction date. Therefore, the draft conditions that only have 40 CFR Part 63 Subpart ZZZZ as their basis have been removed.

South Kern Industrial Center LLC Comment #3:

Conditions #9, 10, 11, and 23 should not reference 40 CFR Part 63 Subpart ZZZZ for the same reason discussed in Comment #2.

District Response to South Kern Industrial Center LLC Comment #3:

The District concurs with the comment. For the reasons discussed in the District Response to Comment #2 above, the conditions have been revised to remove reference to the 40 CFR Part 63 Subpart ZZZZ.

South Kern Industrial Center LLC Comment #4:

Condition #10 should not cite Rule 4702 for the same reason discussed in Comment #1. In conjunction with Comment #3, the correct citation should be 40 CFR 60.4211(a) [40 CFR Part 60 Subpart IIII].

District Response to South Kern Industrial Center LLC Comment #4:

For the same reason discussed in the District Response to Comment #1, Condition #10 is applicable pursuant to District Rule 4702 Section 5.10.2. The reference to 40 CFR Part 63 Subpart ZZZZ has been removed, however, the reference to 40 CFR Part 60 Subpart IIII has not been added as the District has determined that Subpart IIII is not applicable. Condition #10 is thus based solely on District Rule 4702.

South Kern Industrial Center LLC Comment #5:

Condition #19 should not cite Rule 4702 for the same reason discussed in Comment #1.

District Response to South Kern Industrial Center LLC Comment #5:

For the same reason discussed in the Response to Comment #1, Condition #19 is applicable pursuant to District Rule 4702 Section 6.2.3.

South Kern Industrial Center LLC Comment #6:

Condition #22 should be revised to remove the recordkeeping requirement during periods of malfunction. The condition also should not cite 40 CFR Part 63 Subpart ZZZZ for the same reason discussed in Comment #2.

District Response to South Kern Industrial Center LLC Comment #6:

Condition #22 has been deleted for the same reason discussed in the Response to Comment #2.

Summary of Changes:

Permit	Draft Condition #	Renewed Condition #	Notes
S-4212-4-3	9 - 12	9 - 12	Revised to remove reference to 40 CFR Part 63 Subpart ZZZZ
	13 - 18	-	Removed as 40 CFR Part 63 Subpart ZZZZ is not applicable to the unit
	19	13	No changes were made to the condition
	22	-	Removed as 40 CFR Part 63 Subpart ZZZZ is not applicable to the unit
	23	16	Revised to remove reference to 40 CFR Part 63 Subpart ZZZZ