



**MAY 25 2017**

Mr. Jason Thompson  
Community Renewable Energy Services dba Dinuba Energy  
6929 Ave 430  
Reedley, CA 93654

**Re: Notice of Final Action - Title V Permit Renewal  
District Facility # S-285  
Project # 1171192**

Dear Mr. Thompson:

The District has issued the Final Renewed Title V Permit for Community Renewable Energy Services dba Dinuba Energy (see enclosure). The preliminary decision for this project was made on March 24, 2017. No comments were received subsequent to the District preliminary decision.

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

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

Sincerely,



Arnaud Marjollet  
Director of Permit Services

Enclosures

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

**Seyed Sadredin**

Executive Director/Air Pollution Control Officer

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**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

HEALTHY AIR LIVING™

Facility # S-285  
CRES INC DBA DINUBA ENERGY  
6929 AVENUE 430  
REEDLEY, CA 93654

### Notice of Permit Issuance

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

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

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

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

# Permit to Operate

**FACILITY:** S-285

**EXPIRATION DATE:** 05/31/2022

**LEGAL OWNER OR OPERATOR:**

CRES INC DBA DINUBA ENERGY

**MAILING ADDRESS:**

6929 AVENUE 430  
REEDLEY, CA 93654

**FACILITY LOCATION:**

6929 AVENUE 430  
REEDLEY, CA 93654

**FACILITY DESCRIPTION:**

ELECTRIC SERVICES - POWER GENERATION

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

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

**Seyed Sadredin**  
Executive Director / APCO

**Arnaud Marjollet**  
Director of Permit Services

# San Joaquin Valley Air Pollution Control District

FACILITY: S-285-0-3

EXPIRATION DATE: 05/31/2022

## FACILITY-WIDE REQUIREMENTS

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1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.8.1 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: CRES INC DBA DINUBA ENERGY  
Location: 6929 AVENUE 430, REEDLEY, CA 93654  
S-285-0-3 : May 24 2017 10:56AM -- GOMEZD

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. When applicable to 40 CFR Part 68, a subject facility shall submit to the proper authority a Risk Management Plan when mandated by the regulation. [40 CFR Part 68] Federally Enforceable Through Title V Permit
43. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin July 31 of each year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit
44. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation  $E=3.59 \times P^{0.62}$ ; P is less than or equal to 30 tons per hour, or  $E=17.31 \times P^{0.16}$ ; P is greater than 30 tons per hour. [District Rule 4202] 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-285-2-14

**EXPIRATION DATE:** 05/31/2022

**EQUIPMENT DESCRIPTION:**

11.5 MW WOOD-FUELED COGENERATION FACILITY INCLUDING TRAVELING GRATE BOILER WITH FLUE GAS RECIRCULATION (FGR), AMMONIA INJECTION, STEAM TURBINE/GENERATOR, NATURAL GAS FIRED AUXILIARY BURNER, MULTICLONE DUST COLLECTOR, SINGLE CHAMBER TWO CELL ELECTROSTATIC PRECIPITATOR, AND PM WET SCRUBBER

## PERMIT UNIT REQUIREMENTS

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1. While dormant, the natural gas fuel line shall be physically disconnected from the unit. [District Rule 2080] Federally Enforceable Through Title V Permit
2. Permittee shall submit written notification to the District upon designating the unit as dormant or active. [District Rule 2080] Federally Enforceable Through Title V Permit
3. While dormant, normal source testing shall not be required. [District Rule 2080] Federally Enforceable Through Title V Permit
4. Upon recommencing operation of this unit, normal source testing shall resume. [District Rule 2080] Federally Enforceable Through Title V Permit
5. Any source testing required by this permit shall be performed within 60 days of recommencing operation of this unit, regardless of whether the unit remains active or is again designated as dormant. [District Rule 2080] Federally Enforceable Through Title V Permit
6. Records of all dates and times that this unit is designated as dormant or active, and copies of all corresponding notices to the District, shall be maintained, retained for a period of at least five years, and made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
7. 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]
8. Ammonia injection system shall be operated and maintained in accordance with the manufacturer's specification. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Multiclone dust collector, electrostatic precipitator, and PM wet scrubber shall be operated and maintained in accordance with manufacturer's specifications whenever combustion is present in the boiler. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Electrostatic precipitator shall be equipped with an automatic rapping system. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Scrubber liquid pH shall be maintained between 3.0 and 8.0 and shall be continuously monitored. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Scrubber, including sprays and nozzles, shall be maintained in optimum working condition. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Scrubber liquid supply (at inlet to scrubber) shall have an operational flow meter. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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



14. Combustion system shall be equipped with continuous emissions monitors (CEM) for NO<sub>x</sub>, CO, CO<sub>2</sub>, O<sub>2</sub>, volumetric flowrate, and opacity. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
15. Continuous emissions monitors shall be operated in accordance with the requirements of 40 CFR, Part 60, Appendix B, Performance Specifications 1, 2, 3, 4, and CFR Part 60, Appendix F. [District Rules 1080 and 4352, and 40 CFR part 64] Federally Enforceable Through Title V Permit
16. Continuous emissions monitor for flue gas volume flow-rate shall meet EPA monitoring performance specifications appearing in 40 CFR, Part 52, Appendix E. [District Rules 1080 and 4100, and 40 CFR part 64] Federally Enforceable Through Title V Permit
17. Ammonia shall be injected into boiler at a rate that results in compliance with the NO<sub>x</sub> emissions limit. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Nitrogen oxide emissions (as NO<sub>2</sub>) shall not exceed 90 ppmv @ 3% O<sub>2</sub> nor 0.09 lbs/MMBtu based on a 24 hour average, except during periods of startup and shutdown as defined in Rule 4352. [District Rules 2201 and 4352] Federally Enforceable Through Title V Permit
19. Nitrogen oxide emissions (as NO<sub>2</sub>) shall not exceed 17.87 lbs/hr (based on a 24-hr period between 12:00 am midnight to the following midnight) and 70.44 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Carbon monoxide (CO) emissions shall not exceed 400 ppmv @ 3% O<sub>2</sub>, except during periods of startup and shutdown, as defined in Rule 4352. [District Rule 4352] Federally Enforceable Through Title V Permit
21. Carbon monoxide (CO) emissions shall not exceed 99.3 lbs/hr (based on a 24-hr period between 12:00 am midnight to the following midnight) and 249 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
22. PM<sub>10</sub> emissions shall not exceed 0.0144 grains/dscf corrected to 12% CO<sub>2</sub>, 5.76 lbs/hr and 22.71 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
23. Volatile organic compound emissions shall not exceed 13.30 lbs/hr and 52.4 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
24. Sulfur oxide emissions (as SO<sub>2</sub>) shall not exceed 9.90 lbs/hr and 39.1 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
25. Carbon monoxide (CO) emissions shall not exceed 249 tons for any consecutive 365 day period. Cumulative emissions from the previous 365 day consecutive period shall be summed daily and reported to the District quarterly. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Combustion system shall not operate for more than 7,884 hours per year unless Dinuba Energy demonstrates compliance with the yearly emissions limits listed above. [District Rule 2201] Federally Enforceable Through Title V Permit
27. Only natural gas, soiled biomass, and wood fuels shall be burned in the boiler. Contamination of the fuel, as delivered to the boiler, shall not exceed 1.0% by weight total and limited to the following materials: metals, plastics, painted wood, particle board, wood treated with preservatives, and roofing materials. None of the contaminants allowed by this condition shall contain asbestos. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
28. Facility shall not burn in the combustion system more than 240 lbs/hr nor 1051.2 tons/yr of non-wood and non-soiled biomass material. [District Rule 4102]
29. "Wood" means any organic material not derived from fossil fuels, such as agricultural crop residue, orchard prunings and removals, stone fruit pits, nut shells, cotton gin trash, cotton stalks, vineyard prunings, cull logs, eucalyptus logs, bark, lawn, yard and garden clippings, leaves, silvicultural residue, tree and brush pruning, wood and wood chips, and wood waste. Wood does not include material containing sewage sludge or industrial, hazardous, radioactive or municipal solid waste. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
30. Wood waste includes clean, chipped wood products, plywood, wood products manufacturing wood materials, construction and demolition wood materials, and wood pallets, crates and boxes. [District Rules 2201 and 4102] 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.

31. "Soiled Biomass" shall be defined as shredded and compacted paper with attached tag listing percent content by weight of plastic of each delivered container. [District Rule 2201] Federally Enforceable Through Title V Permit
32. Compliance with fuel contamination limits shall be demonstrated by sorting a District selected 5 ton representative sample of fuel as requested by the District compliance division. [District Rule 2201] Federally Enforceable Through Title V Permit
33. Data collected during sorting of 5 ton sample of fuel shall be in pounds of material per ton of fuel, by category as identified in fuel contamination limit condition, and official test results and field data shall be submitted within 30 days after collection. [District Rule 2201] Federally Enforceable Through Title V Permit
34. Source testing for NOx and CO emissions while combusting fuels other than or in combination with wood fuel shall be conducted by an independent testing laboratory within 60 days of initial startup. [District Rules 2201 and 4352] Federally Enforceable Through Title V Permit
35. NOx, CO, and PM emissions shall be measured with annual source testing conducted by independent testing laboratory and shall be witnessed or authorized by the District. [District Rules 1081 and 4352, and 40 CFR part 64] Federally Enforceable Through Title V Permit
36. Source testing for the following parameters shall be conducted using the stated test methods: NOx - EPA Method 7 or ARB Method 100, CO - EPA Method 10 or ARB Method 100, CO2 - EPA Method 3 or ARB Method 100, O2 - EPA Method 3 or ARB Method 100, SO2 - EPA Method 6 or ARB Method 100, PM10 - EPA Methods 201A & 202, Stack Gas Flow Rate - EPA Method 2, Moisture Content - EPA Method 4, Ammonia - BAAQMD ST1B, & Fuel Heating Value - ASTM Method D2015 or E711. [District Rules 2201 and 4352] Federally Enforceable Through Title V Permit
37. Official test results and field data from compliance testing shall be submitted within 60 days after collection. [District Rule 1081] Federally Enforceable Through Title V Permit
38. Dinuba Energy shall adjust rates of total air flow, overfire air flow, and ammonia injection to simultaneously meet all emissions limits, including visible emissions limit, and keep ammonia slip to a minimum. [District Rule 4102]
39. The auxiliary burner shall be fired exclusively with natural gas. A daily record of fuel gas consumption shall be maintained and submitted to the District quarterly. [District Rule 2201] Federally Enforceable Through Title V Permit
40. Equipment breakdowns of the combustion or CEM systems shall be reported in accordance with District rules 1080 and 1100. [District Rules 1080 and 1100] Federally Enforceable Through Title V Permit
41. Particulate matter concentration (including both filterable and condensable particulates) exiting the PM wet scrubber shall not exceed 0.016 grains/dscf corrected to 12% CO2. [District Rule 2201] Federally Enforceable Through Title V Permit
42. Rapping frequency and duration shall be pre-programmed and identical for each location, and only one rapping location shall be energized at any one time. [District Rule 2201] Federally Enforceable Through Title V Permit
43. Electrostatic precipitator shall be equipped with an opacity continuous emissions monitor (CEM), which shall be operated in accordance with the requirements of 40 CFR, Part 51, Appendix P, and Part 60, Appendix B. [District Rule 1080 and 40 CFR 63.11205(a)] Federally Enforceable Through Title V Permit
44. Opacity readings shall be averaged over a 15 minute period. [District Rule 2201] Federally Enforceable Through Title V Permit
45. Daily opacity reading of 20% or greater shall be reported to the District quarterly. [District Rule 2201] Federally Enforceable Through Title V Permit
46. Dinuba Energy shall maintain records of the occurrence and duration of any start-up, shutdown or malfunction in the operation of opacity CEM. [District Rule 2201] Federally Enforceable Through Title V Permit
47. Dinuba Energy shall maintain records of the results of performance testing, evaluations, calibrations, checks, adjustments and maintenance of CEMs. [District Rules 1080 and 2201, and 40 CFR part 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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48. Annual audits of continuous emissions monitors shall be conducted pursuant to the requirements of Rule 1080 and in accordance with EPA guidelines, by an independent testing laboratory. The audits shall be District witnessed and the results submitted to the District within 30 days of completion of the audit. [District Rule 1080 and 40 CFR part 64] Federally Enforceable Through Title V Permit
49. All quarterly reports shall be submitted to the District within 30 days of the end of each calendar quarter. Exceedance of any permit emissions limitation, including opacity, shall be noted on the quarterly report. [District Rule 1080 and 40 CFR part 64] Federally Enforceable Through Title V Permit
50. All records shall be retained on site for a period of at least 5 years and made readily available to the District upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
51. The permittee shall sample wood fuel for metals and asbestos analysis quarterly and whenever directed by the District inspector. [District Rule 4102]
52. Fuel contamination shall be confirmed by sorting and weighing one 55 gallon container of randomly selected soiled biomass quarterly and whenever there is a change in the source of the fuel to demonstrate compliance with percent by weight contaminant limit. Records of the date of testing, weight of paper and of contaminant, and resulting percentage by weight of contaminant shall be maintained. [District Rule 4102]
53. The permittee shall submit a written sampling plan to the District's Compliance Division at least 20 calendar days prior to sampling for metals analysis or asbestos. This plan shall include the date, name of lab, lab's certification # for conducting tests, copy of chain of custody form to be utilized for tracking samples, and method of sampling. [District Rule 4102]
54. Permittee shall submit a written sampling plan to the District's Compliance Division at least 20 calendar days prior to sampling blended fuel for percent by weight contaminant content. This plan shall include the date and method of sampling. [District Rule 4102]
55. The plastics, metals, and asbestos samples shall be collected in accordance with a written plan for representative samples approved by the District. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
56. The permittee shall have the samples analyzed for metals by ASTM Method E885, or equivalent method approved by the District, using an independent testing laboratory certified to conduct the analysis. The metals to be quantified include Arsenic, Copper, Lead, Manganese, Nickel, Zinc, and Total Chromium. [District Rule 4102]
57. The results of the metals and asbestos analysis shall be reported in ppm (by weight). [District Rule 1081] Federally Enforceable Through Title V Permit
58. The results of metal and asbestos sampling analysis and evidence of chain of custody and results of plastic sampling analysis shall be submitted to the District Compliance Division within 30 days after collection. [District Rule 1081] Federally Enforceable Through Title V Permit
59. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 thirty-minute test runs for NO<sub>x</sub> and CO. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
60. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
61. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation  $E=3.59xP^{0.62}$ ; P is less than or equal to 30 tons per hour, or  $E=17.31xP^{0.16}$ ; P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
62. Particulate matter emissions shall not exceed 0.10 lb/MMBtu. [40 CFR 60.43b(c)(1)] Federally Enforceable Through Title V Permit
63. Owner or operator shall not cause to be discharged into the atmosphere any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity. [40 CFR 60.43b(f)] 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.

64. The particulate matter, and opacity standards shall apply at all times, except during periods of startup, shutdown or malfunction. [40 CFR 60.43b(g), 60.46b(a)] Federally Enforceable Through Title V Permit
65. The facility's annual capacity factor for natural gas shall be less than or equal to 10 percent (0.10). [40 CFR 60.44b(d)] Federally Enforceable Through Title V Permit
66. The owner or operator shall install, calibrate, maintain, and operate a continuous monitoring system for measuring the opacity of emissions discharged to the atmosphere and record the output of the system. [40 CFR 60.48b(a)] Federally Enforceable Through Title V Permit
67. The continuous monitoring systems shall be operated and data recorded during all periods of operation of the affected facility except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments. [40 CFR 60.48b(c)] Federally Enforceable Through Title V Permit
68. The procedures under 40 CFR 60.13 shall be followed for installation, evaluation, and operation of the continuous monitoring systems. The span value for a continuous monitoring system for measuring opacity shall be between 60 and 80 percent. [40 CFR 60.48b(e)] Federally Enforceable Through Title V Permit
69. The permittee shall record and maintain records of the amount of wood, natural gas, and soiled biomass combusted each day, and calculate the annual capacity factor individually for wood and natural gas on a 12-month rolling average with a capacity factor calculated at the end of each month. [40 CFR 60.49b (d)] Federally Enforceable Through Title V Permit
70. Operator shall calculate and keep daily records of percent by weight of plastic in boiler fuel stream on days that soiled biomass is combusted. [District Rule 2201] Federally Enforceable Through Title V Permit
71. Operator shall keep daily records of the source, individual weight, and percentage plastic by weight of each container of soiled biomass combusted. [District Rule 2201] Federally Enforceable Through Title V Permit
72. The owner or operator shall submit excess emission reports of all 6-minute periods during which the average opacity exceeds the opacity standards under 40 CFR 60.43b(f) during the reporting period. [40 CFR 60.49b(h)] Federally Enforceable Through Title V Permit
73. At the time of each annual source test for PM, the permittee shall establish the acceptable range of primary and secondary current and voltage readings for the electrostatic precipitator. Minimum readings for each parameter shall be established at 15% below the average value measured during the PM source test. Maximum readings for each parameter shall be established at 15% above the average value measured during the PM source test. [40 CFR part 64] Federally Enforceable Through Title V Permit
74. During each day of operation, the permittee shall record electrostatic precipitator voltage and current readings and compare the readings with the acceptable range of current and voltage levels established during the most recent annual PM source test. Upon detecting any excursion from the acceptable range of current or voltage readings, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. [40 CFR part 64] Federally Enforceable Through Title V Permit
75. Devices used to measure primary and secondary voltage and current shall be maintained in accordance with the manufacturer's specifications. [40 CFR part 64] Federally Enforceable Through Title V Permit
76. Scrubber Quench Temperature shall be monitored on the Scrubber Control Panel in the control room. Any excursion of scrubber quench temperature above 160 °F shall be recorded and immediate manual implementation of the scrubber deluge system shall be performed at 160°F and an automatic shutdown of the induced draft fan/boiler shall be triggered at 161°F. [40 CFR part 64] Federally Enforceable Through Title V Permit
77. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64] Federally Enforceable Through Title V Permit
78. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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79. If the District or EPA determine that a Quality improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR part 64] Federally Enforceable Through Title V Permit
80. The permittee shall conduct a performance tune-up of the boiler in accordance with 40 CFR 63.11223(b), and every two years thereafter. Permittee shall submit a signed statement of the Notification of Compliance Status report that a tune-up of the boiler was completed. [40 CFR 63.11214(b)] Federally Enforceable Through Title V Permit
81. By March 21, 2014, the permittee shall conduct a one-time energy assessment as described in 40 CFR 63, Subpart JJJJJ, Table 2. Permittee shall submit a signed statement in the Notification of Compliance Status report that the energy assessment was completed, and shall submit the energy assessment report upon request. [40 CFR 63.11214(c)] 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-285-3-3

**EXPIRATION DATE:** 05/31/2022

**EQUIPMENT DESCRIPTION:**  
ASH COLLECTION SYSTEM

## PERMIT UNIT REQUIREMENTS

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1. Enclosures shall be completely inspected quarterly for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
2. Visible emissions shall be inspected quarterly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions prior to further operation. Corrective action shall eliminate visible emissions before next loading event. The results of inspection shall be kept in a record and shall be made available to the District upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-285-4-3

**EXPIRATION DATE:** 05/31/2022

**EQUIPMENT DESCRIPTION:**  
FUEL RECEIVING AND UNLOADING SYSTEM

## PERMIT UNIT REQUIREMENTS

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1. Visible emissions shall be inspected weekly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions prior to further unloading. Corrective action shall eliminate visible emissions before next unloading event. The results of inspection shall be kept in a record and shall be made available to the District upon request. [District Rule 2520, 9.3.2] 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-285-7-3

**EXPIRATION DATE:** 05/31/2022

**EQUIPMENT DESCRIPTION:**  
FUEL HANDLING SYSTEM

## PERMIT UNIT REQUIREMENTS

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1. Visible emissions shall be inspected weekly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions prior to further loading. Corrective action shall eliminate visible emissions before next loading event. The results of inspection shall be kept in a record and shall be made available to the District upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-285-9-3

**EXPIRATION DATE:** 05/31/2022

**SECTION:** NE01 **TOWNSHIP:** 16S **RANGE:** 23E

**EQUIPMENT DESCRIPTION:**

620 HP WOOD WASTE HAMMERMILL HOG OPERATION WITH BAGHOUSE AND WATER SPRAYS

## PERMIT UNIT REQUIREMENTS

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1. Hammermill shall vent to baghouse dust collector. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Water spray bars shall be located at hammermill infeed conveyor, hammermill hood, hammermill discharge, and discharge of the hammermill outfeed conveyor. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Baghouse and water mist sprays shall be in operation when material is being processed. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Baghouse, exhaust fans, and water mist sprays shall be maintained and operated according to manufacturer's recommendation. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The District shall be notified of any breakdown conditions in accordance with Rule 1100 (Equipment Breakdown). [District Rule 1100] Federally Enforceable Through Title V Permit
6. Raw materials shall be loaded to feed hopper in a manner which prevents visible emissions (i.e. not greater than 5% opacity). [District NSR Rule] Federally Enforceable Through Title V Permit
7. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201]
8. Material removed from baghouse shall be disposed of in a manner preventing entrainment into the atmosphere (i.e. not greater than 5% opacity). [District NSR Rule] Federally Enforceable Through Title V Permit
9. Accurate records of annual production data including tons of material throughput and hours of operation shall be maintained for a period of five years and shall be made available for District inspection upon request. [District NSR Rule and 2520, 9.4.2] Federally Enforceable Through Title V Permit
10. Visible emissions shall be inspected weekly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. Dust collection system shall be completely inspected quarterly while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
12. Dust collector filters shall be thoroughly inspected quarterly for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
13. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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14. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070]

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-285-10-4

**EXPIRATION DATE:** 05/31/2022

**EQUIPMENT DESCRIPTION:**

102.5 HP HAMMERMILL FUEL SCREENING SYSTEM CONSISTING OF A SURGE BIN, WALKING FLOOR TRAILER FEEDER, FOUR BELT CONVEYORS, DOUBLE DECK SCREEN, DISC SCREEN, AND THREE RADIAL STACKER

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant 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 1/4 Ringelmann or equivalent to 5% opacity. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Particulate matter (as PM-10) emission rate shall not exceed 0.0206 lb/ton material throughput. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Material throughput shall not exceed 1,000 ton/day. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Visible emissions shall be inspected weekly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions prior to further loading. Corrective action shall eliminate visible emissions before next loading event. The results of inspection shall be kept in a record and shall be made available to the District upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. Daily records of material throughput (tons) shall be maintained, retained on the premises for at least five years, and made available for District inspection upon request. [District NSR Rule] 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-285-11-3

**EXPIRATION DATE:** 05/31/2022

**EQUIPMENT DESCRIPTION:**

16,000 GPM INDUCED DRAFT THREE CELL COOLING TOWER

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. No hexavalent chromium containing compounds shall be added to cooling tower circulating water. [District Rule 7012] Federally Enforceable Through Title V Permit
3. Cooling tower drift percentage shall not exceed 0.025%. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Total dissolved solids (TDS) in cooling tower water shall not exceed 2.0 grams per liter. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The correlation between the TDS in cooling tower water and the cooling tower water specific conductance shall be determined by cooling water sample analysis by independent laboratory annually, and whenever there is a change of the cooling tower water solution that may alter the correlation (e.g. change of make-up water source or change of type and/or source of chemical additives). [District Rule 1081] Federally Enforceable Through Title V Permit
6. Permittee shall measure the cooling tower water specific conductance and calculate the TDS in cooling tower water using the correlation between the TDS in cooling tower water and the cooling tower water specific conductance on a weekly basis. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Permittee shall maintain records of the calculated TDS in cooling tower water. All records will be retained for a period of five years and made readily available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

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