

July 29, 2021

Mr. Rick Spurlock  
Rio Bravo Fresno  
3350 S Willow  
Fresno, CA 93725

**Re: Notice of Final Action - Title V Permit Renewal**  
**Facility Number: C-1820**  
**Project Number: C-1193122**

Dear Mr. Spurlock:

The District has issued the Final Renewed Title V Permit for Rio Bravo Fresno (see enclosure). The preliminary decision for this project was made on June 11, 2021.

The public notice for issuance of the Final Title V Permit will be posted on the District's website ([www.valleyair.org](http://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: Laura Yannayon, EPA (w/enclosure) via EPS

**Samir Sheikh**  
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

# Permit to Operate

**FACILITY:** C-1820

**EXPIRATION DATE:** 11/30/2025

**LEGAL OWNER OR OPERATOR:** RIO BRAVO FRESNO  
**MAILING ADDRESS:** 3350 S WILLOW AVE  
FRESNO, CA 93725

**FACILITY LOCATION:** 3350 S WILLOW AVE  
FRESNO, CA 93725

**FACILITY DESCRIPTION:** ELECTRICAL SERVICES COGENERATION

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

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

Samir Sheikh  
Executive Director / APCO

Brian Clements  
Director of Permit Services

# *San Joaquin Valley*

## *Air Pollution Control District*

**FACILITY:** C-1820-0-5

**EXPIRATION DATE:** 11/30/2025

### **FACILITY-WIDE REQUIREMENTS**

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. 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
3. 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
4. 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
5. 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
6. 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
7. 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
8. 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
9. 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
10. 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: RIO BRAVO FRESNO  
Location: 3350 S WILLOW AVE, FRESNO, CA 93725  
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11. 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
12. 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
13. 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
14. 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
15. 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
16. 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
17. 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
18. 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
19. 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
20. 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
21. 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
22. 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
23. 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.

24. 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
25. 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
26. 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
27. 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
28. 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
29. 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
30. 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
31. 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
32. 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
33. 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
34. 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
35. 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
36. 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.

37. 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
38. 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
39. 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
40. 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
41. 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
42. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin January 1, 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, 9.5.2] Federally Enforceable Through Title V Permit
43. When applicable to 40 CFR Part 68, a subject facility shall submit to the proper authority a Risk Management Plan, and comply with all the requirements of Program 1, 2 or 3 when mandated by the regulation. [40 CFR 68] Federally Enforceable Through Title V Permit

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

# *San Joaquin Valley*

## *Air Pollution Control District*

**PERMIT UNIT:** C-1820-1-31

**EXPIRATION DATE:** 11/30/2025

**EQUIPMENT DESCRIPTION:**

352 MMBTU/HR CIRCULATING FLUIDIZED-BED BIOMASS COMBUSTOR USED TO PRODUCE STEAM FOR ELECTRICAL POWER GENERATION (28.5 MW), WITH ONE COOLING TOWER, ONE AIR PREHEATER, ONE BARETUBE ECONOMIZER, AND TWO 900 AND ONE 700 HP FANS

### **PERMIT UNIT REQUIREMENTS**

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1. No more than 500 lb/day of "Ashvantage" anti-slag additive shall be used in this combustor. [District Rule 2201] Federally Enforceable Through Title V Permit
2. In the event that the use of "Ashvantage" anti-slag additive causes a violation of any applicable requirement of this permit, the operator shall immediately cease usage of the anti-slag additive. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Ammonia shall be injected into the fluidized bed combustor as necessary to meet the limits in these conditions and whenever the combustor is in full operation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Filterable PM10 emissions from the exhaust of the electrostatic precipitator shall not exceed 5.8 lb/hr, and condensable PM10 emissions shall not exceed 17.4 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Combustion contaminants shall not exceed 10 lb/hr. Combustion contaminants are defined as particulate matter discharged into the atmosphere from the burning of any kind of material containing carbon in a free or combined state. Lab analysis testing shall be performed during each source test to determine the total amount of non-combustion contaminants, which shall be subtracted from the total particulate measured during the annual PM performance test to determine the total combustion contaminants. [District Rule 4301] Federally Enforceable Through Title V Permit
6. The SOx emissions (calculated as SO2) from the exhaust of the fluidized bed combustor shall not exceed 10.0 lb/hour nor 240 lb/day. [District Rules 2201 and 4301] Federally Enforceable Through Title V Permit
7. Except during startup and shutdown periods, the NOx emissions (measured as NO2) from the exhaust of the fluidized bed combustor shall not exceed 0.08 lb/MMBtu, 660 lb/day, or 110 tons per year. [District Rules 2201, 4352, 5.1 and 4301] Federally Enforceable Through Title V Permit
8. Except during startup and shutdown periods, the carbon monoxide emissions from the fluidized bed combustor shall not exceed 400 ppmv @ 3% O2, 22 lb/hour, 528 lb/day, or 46 tons/year. [District Rules 2201 and 4352, 5.1] Federally Enforceable Through Title V Permit
9. During the startup and shutdown periods, the NOx emissions (measured as NO2) from the exhaust of the fluidized bed combustor shall not exceed 0.16 lb/MMBtu, 660 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
10. During startup and shutdown periods, the carbon monoxide emissions from the fluidized bed combustor shall not exceed 44 lb/hour, 528 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Startup is defined as the period of time, not to exceed 96 hours, during which the unit is set in operation and heated from a lower temperature to a steady state operating temperature. [District Rule 4352, 3.18, 5.3.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. Shutdown is defined as the period of time, when fuel is curtailed and the unit begins cooling from the unit's normal operating temperature, as specified by the manufacturer, and ends when steam flow is zero or 24 hours have elapsed since the start of a shutdown, whichever occurs first. [District Rule 4352, 3.15, 5.3.4] Federally Enforceable Through Title V Permit
13. The emission control system shall be in operation and emissions shall be minimized insofar as technologically feasible during start-up or shutdown. [District Rule 4352, 5.3.3] Federally Enforceable Through Title V Permit
14. The VOC emissions from the exhaust of the fluidized bed combustor shall not exceed 10.4 lb/hour nor 250 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The concentration of filterable PM10 in the exhaust from the electrostatic precipitator shall not exceed 0.010 gr/dscf corrected to 12% CO<sub>2</sub>. [District Rules 2201 and 4201] Federally Enforceable Through Title V Permit
16. The concentration of ammonia in the exhaust of the fluidized bed combustor shall not exceed 25 ppmv at 3% O<sub>2</sub>. [District Rule 2201] Federally Enforceable Through Title V Permit
17. The electrostatic precipitator shall be operated in a manner so as to minimize the emissions of particulate matter whenever the fluidized bed combustor is fired. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Only alfalfa, barley, beanstraw, corn, orchard prunings, vineyard prunings, oats, wheat, and forest residues shall be used as offset creditable fuels. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Only biomass and wood waste not included in the creditable fuels shall be used as non-creditable fuels. Biomass is defined as any organic material originating from plants including but not limited to products, by-products and wastes from agriculture, forestry, aquatic, and related industries, such as agricultural, energy or feed crops, residues and wastes, orchard and vineyard prunings and removal, stone fruit pits, nut shells, cotton gin trash, corn stalks and stover, straw, seedhulls, sugarcane leavings and bagasse, aquatic plants and algae, cull logs, eucalyptus logs, poplars, willows, switchgrass, alfalfa, bark, lawn, yard, and garden clippings, waste paper (unprinted), leaves, silvicultural residue, tree and brush prunings, sawdust, timber slash, mill scrap, wood and wood chips, and wood waste. Biomass does not include material containing sewage sludge or industrial, hazardous, radioactive, municipal solid waste, or any material chemically treated or derived from fossil fuels. 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 Rule 2201] Federally Enforceable Through Title V Permit
20. Fuels shall not be painted, oiled or stained. [District Rule 2201] Federally Enforceable Through Title V Permit
21. The NO<sub>x</sub> emission factor used to calculate emission offset credits for orchard and vineyard wastes shall be 4.3 lb NO<sub>x</sub> per ton, for forest residue shall be 4.0 lb NO<sub>x</sub> per ton and for all other permitted agricultural wastes shall be 4.26 lb NO<sub>x</sub> per ton. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Open-burn emission factors used to determine the quantity of offsets available from the diversion of biomass (as defined in District Rule 2201, Section 3.10, 4/25/02 version) from open-burning are listed in District Policy SSP 2005 "Open Burn Emission Factors." [District Rule 2201] Federally Enforceable Through Title V Permit
23. The owner/operator shall verify all emissions and related data and make the verifications available upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
24. The owner/operator shall provide certification for all fuel which is assigned offset credit. [District Rule 2201] Federally Enforceable Through Title V Permit
25. The owner/operator shall submit written contracts between the owner/operator and all fuel suppliers annually to the District for approval. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Agreements between each fuel supplier and the owner/operator shall be considered as part of the permit to operate after District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
27. The owner/operator shall be responsible for ensuring that emission credits are properly evaluated according to the provisions of the agreements with fuel suppliers. [District Rule 2201] Federally Enforceable Through Title V Permit
28. The owner/operator shall project and use the proper mix of fuels to ensure that all emissions are offset as required with credits from the use of creditable fuels. [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.

29. The emission credits for the use of creditable fuels shall be calculated using the protocol approved in the District's December 9, 1999 correspondence to the facility. [District Rule 2201] Federally Enforceable Through Title V Permit
30. Emission offset credit will be calculated using the formula  $EC(y) = CO(y-1) + \text{Summation } (1/DF(i) \times T(i) \times EF(i))$ , where  $EC(y)$  = the amount of offset credit available for the year,  $CO(y-1)$  = the amount of offset carryover available from the previous year,  $i$  = the  $i$ th load of biomass received for the offset year,  $DF(i)$  = the distance factor for the  $i$ th load of biomass,  $T(i)$  = the number of Tons of biomass in the  $i$ th load, and  $EF(i)$  = the emission factor for the type of biomass in the  $i$ th load. [District Rule 2201] Federally Enforceable Through Title V Permit
31. The offset Distance Factor (DF) shall be 1.2 for biomass originating within a 15 mile radius of this facility and 2.0 for biomass originating outside of the 15 mile radius. [District Rule 2201] Federally Enforceable Through Title V Permit
32. The owner operator shall curtail operation proportionately and notify the District whenever, due to changes in the quantity or quality of wastes supplied, the emissions exceed the offsets. [District Rule 2201] Federally Enforceable Through Title V Permit
33. All fuels shall be burned on a first-in, first-out basis. Compliance with this condition shall be based on mixed fuel piles (first-mixed, first-burned). [District Rule 2201] Federally Enforceable Through Title V Permit
34. Performance testing shall be conducted annually for NO<sub>x</sub>, CO, SO<sub>x</sub>, PM, PM (10), Hg and HCl at the maximum operating capacity using the following test methods, for NO<sub>x</sub> EPA Method 7E or ARB Method 100; for CO EPA Method 10 or ARB Method 100; for SO<sub>x</sub> EPA Method 6 or 6C; for PM EPA Method 5 (including back half); and for PM(10) EPA Method 5 (including back half assuming 100% of PM is PM10) or EPA Method 201A in combination with EPA Method 202, for Hg EPA Method 29 or EPA Method 30A or EPA Method 30B, for HCl EPA Method 26 or EPA Method 26A or any other test methods and procedures approved by the District. If 40 CFR 63, Subpart DDDDD performance test of a given constituent shows at least 2 consecutive years of emissions below 75 percent of the emission limit as described in 40 CFR 63.7515(b), the performance test for those constituents can be conducted every third year as described in that section. [District Rules 1081, 4301, 4352, and 40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
35. The higher heating value of all as-fired solid fuels shall be certified by a third-party supplier or determined by ASTM Method E711, ASTM D5865, or other test method(s) with prior written approval of the APCO, ARB, and EPA. [District Rule 4352, 6.4] Federally Enforceable Through Title V Permit
36. All emissions measurements during a source test shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No compliance determination shall be established within two hours after a period in which fuel flow to the unit is zero, or is shut off for 30 minutes or longer. [District Rule 4352, 6.3.2, 6.3.3] Federally Enforceable Through Title V Permit
37. The District must be notified 30 days prior to any performance test, and a test plan must be submitted for approval 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
38. The results of each performance test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
39. Permittee shall operate a Continuous Emissions Monitoring (CEM) system to monitor and record NO<sub>x</sub> concentrations, O<sub>2</sub> concentrations, and CO concentrations as well as the NO<sub>x</sub> emission rate whenever the unit is operating. The CEM system shall be operated, maintained, and calibrated pursuant to the requirements of 40 CFR 60.7(c), 60.13, and 60.48b. The CEM system must also comply with 40 CFR 60 Appendix B, Performance Specifications 2 and 3, and 40 CFR 60 Appendix F, Quality Assurance Procedures. Per Section 5.1.1 of Appendix F, at least once each calendar year, a Relative Accuracy Test Audit (RATA) must be conducted. Per Sections 5.1.2 and 5.1.3 of Appendix F, a Cylinder Gas Audit (CGA) or a Relative Accuracy Audit (RAA) must be conducted once each calendar quarter, except in the quarter where a RATA is performed. [District Rules 1080 and 4352, 5.5 and 40 CFR 60.7(c), 40 CFR 60.13, 40 CFR 60.48b and 40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
40. Compliance with the daily NO<sub>x</sub> emission limit shall be based on a block 24-hour averaging period using CEM system data. [District Rule 4352, 5.2 and 40 CFR 60.44b(i)] Federally Enforceable Through Title V Permit
41. The continuous monitoring equipment must be linked to a data acquisition system that is accessible via modem. [District Rules 1080 and 4352, 5.5] 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.

42. Permittee shall operate a Continuous Opacity Monitoring (COM) system to monitor and record opacity whenever the unit is operating. The COM system shall be operated, maintained, and calibrated pursuant to the requirements of 40 CFR 60.7(c), 60.13, and 60.48b. The COM system must also satisfy Performance Specification 1 of 40 CFR 60 Appendix B. [District Rule 1080 and 40 CFR 60.7(c), 40 CFR 60.13, 40 CFR 60.48b, and 40 CFR 64.3(a) and (d)] Federally Enforceable Through Title V Permit
43. A quarterly CEM and COM report shall be submitted to the District which includes the following: hours of operation, the date and time of each exceedance of emissions limits (including startup, shutdown, malfunctions or any other reason), the quantity of excess emissions, any conversion factors used to calculate excess emissions, the nature and cause of each malfunction, any corrective action taken and any preventive measures adopted, hours of CEM (and COM) down time, and the cause of all CEM (and COM) down time. [District Rules 1080 and 4352, 5.5; 40 CFR 60.49b(h), and 40 CFR 64.3(d)(i)] Federally Enforceable Through Title V Permit
44. Quarterly reports shall be submitted to the District within 30 days after the end of each calendar quarter. [District Rules 1080 and 4352, 5.5] Federally Enforceable Through Title V Permit
45. Results of continuous emissions monitoring must be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [District Rule 1080] Federally Enforceable Through Title V Permit
46. A violation of NOx emission standards indicated by the NOx CEMS shall be reported by the operator to the APCO within 96 hours. [District Rule 1080] Federally Enforceable Through Title V Permit
47. Operator shall notify the APCO no later than eight hours after the detection of a breakdown of the CEMS. Operator shall inform the APCO of the intent to shut down the CEMS at least 24 hours prior to the event. [District Rule 1080] Federally Enforceable Through Title V Permit
48. 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
49. 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
50. 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
51. All equipment or systems installed or used to achieve compliance with the terms and conditions of this Title V permit shall be maintained in good working order and be operated as efficiently as possible to minimize air pollution emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
52. The net electrical power output shall not exceed 28.5 MW. [District Rule 2201] Federally Enforceable Through Title V Permit
53. Natural gas, butane, and propane may be used as start-up fuel and combustion stabilization purposes only. [District Rule 2201] Federally Enforceable Through Title V Permit
54. Records of system 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, 9.4.2] Federally Enforceable Through Title V Permit
55. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and Fresno County Rule 406] Federally Enforceable Through Title V Permit
56. The storage and handling of fuels shall be conducted so as to minimize the potential of any fire in the facility's fuel storage area. [District Rule 4101] Federally Enforceable Through Title V Permit
57. Permittee shall comply with the requirements of 40 CFR 63, Part DDDDD. [40 CFR Part 63, Subpart DDDDD] 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.

58. HCl emissions from the fluidized bed combustor shall not exceed  $2.2 \times 10^{-2}$  lb/MMBtu. HCl emissions shall be determined according to the procedures in 40 CFR Part 63, Subpart DDDDD. All emission limits are 30-day rolling averages if a CEMS is used to monitor HCl emissions for compliance. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
59. Hg emissions from the fluidized bed combustor shall not exceed  $5.7 \times 10^{-6}$  lb/MMBtu heat input. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
60. CO emissions from the fluidized bed combustor shall not exceed 310 ppmvd @ 3% O<sub>2</sub> on a 30-day rolling average basis. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
61. Filterable PM emissions from the fluidized bed combustor shall not exceed  $1.1 \times 10^{-1}$  lb/MMBtu heat input. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
62. Opacity from the fluidized bed combustor shall not exceed 10% on a daily block average. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
63. Minimum limestone injection rate shall be established as defined by 40 CFR 63.7575 as an operating limit during three-run performance test during HCl performance test. Sorbent injection rate data from sorbent injection rate monitors shall be collected every 15 minutes during the entire period of the performance tests. [40 CFR Part 63, Subpart DDDDD, Table 7] Federally Enforceable Through Title V Permit
64. Minimum sorbent injection rate means the load fraction multiplied by the lowest hourly average limestone injection rate during the most recent performance test demonstrating compliance with the HCl emissions limit. Load fraction is the actual gross megawatt hourly average for the boiler operating day divided by the gross megawatt associated with the lowest injection rate during the performance test that established the minimum sorbent injection rate, expressed as a fraction (e.g. for 50% load the load fraction is 0.5). [40 CFR 63.7575, Definitions] Federally Enforceable Through Title V Permit
65. Sorbent injection rate shall be monitored with data reduced to 30-day rolling averages, rolled by day. The 30-day rolling average limestone injection rate shall be maintained at or above the minimum sorbent injection rate. [40 CFR Part 63, Subpart DDDDD, Table 8] Federally Enforceable Through Title V Permit
66. The limestone silo weight monitor used for the sorbent injection rate must be installed, operated, and maintained according to the requirements of 40 CFR 63.7525 (d) and 40 CFR 63.7525 (i). [40 CFR Part 63, Subpart DDDDD, Table 8] Federally Enforceable Through Title V Permit
67. In addition to the performance testing required by Condition 34, performance testing to demonstrate compliance with the requirements of 40 CFR 63, Subpart DDDDD must be conducted. If the requirements described in 40 CFR 63.7515(b) are met the performance test for those constituents can be conducted every third year as described in that section. If a CEMS is used for a constituent to demonstrate compliance, the applicable fuel analysis, annual performance test, and operating limits are not required. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
68. If a CEMS is used to demonstrate compliance with an emission limit in 40 CFR 63 Subpart DDDDD, the CEM system shall be operated, maintained, and calibrated pursuant to the requirements of 40 CFR 60.7(c), 60.13, and 60.48b. The CEM system must also comply with 40 CFR 60 Appendix B, Performance Specifications 2 and 3, and 40 CFR 60 Appendix F, Quality Assurance Procedures. Per Section 5.1.1 of Appendix F, at least once each calendar year, a Relative Accuracy Test Audit (RATA) must be conducted. Per Sections 5.1.2 and 5.1.3 of Appendix F, a Cylinder Gas Audit (CGA) and a Relative Accuracy Audit (RAA) must be conducted once each calendar quarter, except in the quarter where a RATA is performed. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
69. A one-time energy assessment must be completed that meets the requirements of 40 CFR 63, Subpart DDDDD by January 31, 2016. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
70. Reports required by 40 CFR 63, Subpart DDDDD shall be submitted electronically or by hard copy to EPA as described in 40 CFR 63.7550 and to SJVAPCD. [40 CFR Part 63, Subpart DDDDD] 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.

71. Permittee shall maintain daily records of the amount of "Ashvantage" anti-slag additive used. [District Rule 2201] Federally Enforceable Through Title V Permit
72. Permittee shall record the higher heating value of the as-fired fuel on a monthly basis. The HHV shall be determined on either a composite monthly sample (comprised of weekly grab samples, or biweekly grab samples). [District Rule 4352, 6.2.1] Federally Enforceable Through Title V Permit
73. Records of all daily fuel consumption shall be maintained on site and submitted to the District with quarterly reports and upon request. [District Rules 2201 and 4352, 6.2.1, and 40 CFR 60.49b(d)] Federally Enforceable Through Title V Permit
74. The owner/operator shall maintain daily records of the type and quantity of all biomass received. [District Rules 2201 and 4352, 6.2.1] Federally Enforceable Through Title V Permit
75. The owner/operator shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor for wood (biomass) for the reporting period. The annual capacity factor is determined on a 12 month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [40 CFR 60.49b(d)(1)] Federally Enforceable Through Title V Permit
76. All records required by this permit shall be retained on site for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 2201, 2520, 9.4.2, and 4352, 6.2.2] 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:** C-1820-2-8

**EXPIRATION DATE:** 11/30/2025

**EQUIPMENT DESCRIPTION:**

BIOMASS FUEL RECEIVING AND UNLOADING OPERATION CONSISTING OF TWO 10'X70' TILTING LIFT PLATFORMS WITH TELESCOPING HYDRAULIC CYLINDERS FOR DUMPING INTO A RECEIVING HOPPER OF 5000 CU.FT CAPACITY. RATING: 365 HP

**PERMIT UNIT REQUIREMENTS**

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1. Fugitive emissions from all fuel transfer points shall be controlled to prevent excessive dust during operation. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Fogging dust controls shall be operated at all times when handling any fuels. [District Rule 2201] Federally Enforceable Through Title V Permit
3. All conveyor covers shall be maintained securely in place and without leakage. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Operator shall maintain windscreen to prevent fugitive dust from storage piles. All screens shall be repaired within 24 hours. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Visible emissions from each transfer point shall be checked quarterly. 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
6. Records of system 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, 9.4.2] 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:** C-1820-3-6

**EXPIRATION DATE:** 11/30/2025

**EQUIPMENT DESCRIPTION:**

FUEL HANDLING SYSTEM CONSISTING OF COLLECTING BELT CONVEYOR, STACKER CONVEYOR, STORAGE, OVERPILE AND UNDERPILE RECLAIMERS, RECLAIM TRANSFER (CHAIN & BELT CONVEYOR, SELF CLEANING MAGNET, SCREEN CONVEYOR, SHREDDER, FEED CONVEYOR & BIN). RATING: 295 HP

**PERMIT UNIT REQUIREMENTS**

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1. Fugitive emissions from all fuel transfer points and storage piles shall be controlled to prevent excessive dust during operation. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Visible emission from each transfer point shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If excessive 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
3. Records of system 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, 9.4.2] 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:** C-1820-4-5

**EXPIRATION DATE:** 11/30/2025

**EQUIPMENT DESCRIPTION:**

ONE MULTICLONE MECHANICAL DUST COLLECTOR

## PERMIT UNIT REQUIREMENTS

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1. The particulate matter concentration exiting the multiclone shall not exceed 0.5 grains/dscf at 12% CO<sub>2</sub>. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Multiclone collector shall be strictly maintained at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
3. At no time shall the emissions passing through the multiclone be allowed to bypass the electrostatic precipitator. [District Rule 2201] Federally Enforceable Through Title V Permit

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

# *San Joaquin Valley*

## *Air Pollution Control District*

**PERMIT UNIT:** C-1820-5-14

**EXPIRATION DATE:** 11/30/2025

**EQUIPMENT DESCRIPTION:**

ONE 238 KVA RESEARCH COTTREL ELECTROSTATIC PRECIPITATOR EXHAUSTING TO ONE 147 FEET HIGH BY 8 FEET DIAMETER CARBON STEEL STACK

### **PERMIT UNIT REQUIREMENTS**

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1. Particulate matter concentration shall not exceed 0.010 grains/dscf corrected at 12% CO<sub>2</sub>. [District Rules 2201 and 4201] Federally Enforceable Through Title V Permit
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
3. Electrostatic Precipitator shall be strictly maintained at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The precipitator automatic rapping system is to be operated to maximize collection efficiency including only one rapping position to be energized at any one time to minimize dust re-entrainment. [District Rule 2201] Federally Enforceable Through Title V Permit
5. All fields shall be operated at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Secondary voltage limit settings shall be maintained between 40 and 80 kilovolts at each cell. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Secondary current (amperage) limit settings shall be maintained between 0.05 and 1.40 amps at cell #1, 0.2 and 1.40 amps at cell #2, and 0.4 and 1.40 amps at cell #3. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Records shall be maintained on the quality and accuracy of all instruments used to verify compliance with the terms and conditions of the Permit to Operate and District regulations. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Data from all monitors shall be submitted quarterly to the District. Malfunctions in the monitoring equipment shall be reported to the District. [District Rule 2520, 9.5.2] Federally Enforceable Through Title V Permit
10. Source testing shall be required annually or as often as deemed necessary by the Air Pollution Control District. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Source testing to measure particulate matter including condensables and particulate matter not including condensables, shall be conducted using EPA Methods 5 and 8, and in accordance with Rule 1081, section 6.0 (12/16/93). [District Rule 1081; PSD SJ 76-44] Federally Enforceable Through Title V Permit
12. Each cell voltage and current (amperage) shall be checked and recorded on a daily basis. [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:** C-1820-6-9

**EXPIRATION DATE:** 11/30/2025

**EQUIPMENT DESCRIPTION:**

ASH COLLECTION SYSTEM CONSISTING OF ENCLOSED DRY ASH CONVEYORS COLLECTING DRY ASH FROM THE BOILER, AIR HEATER, AND AIR POLLUTION CONTROL SYSTEM; ONE (1) ENCLOSED DRY ASH ELEVATOR; ONE (1) 4,000 FT<sup>3</sup> DRY ASH STORAGE SILO SERVED BY A FLEX-KLEEN MODEL 84 BUBS 9LLG BAGHOUSE; ONE (1) WET ASH UNLOADING SYSTEM WITH A WET PUG MILL; ONE (1) DRY ASH UNLOADING SYSTEM WITH A SLY XP DUST-FREE LOADING SPOUT SERVED BY A DISA MODEL RJCA BAGHOUSE

### **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. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Fugitive emissions from all ash transfer points shall be controlled to prevent excessive dust during operation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Visible emissions from baghouses serving the dry ash silo loading and unloading operations shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The baghouses serving the dry ash silo loading and unloading operations shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
6. A spare set of bags for each baghouse serving the dry ash silo loading and unloading operations shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Each baghouse serving the dry ash silo loading and unloading operations shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Every time the baghouse operates, the differential pressure gauge reading shall be in the range of 0 to 6 inches of water column. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Dust collector filters shall be inspected quarterly while in operation for evidence of particulate matter breakthrough and replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. Dust collector filters shall be inspected quarterly while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. Visible emissions from all ash transfer points shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If excessive 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. The maximum combined daily quantity of dry ash and wet ash (on a dry basis) unloaded from the dry ash storage silo shall not exceed 200 ton-dry ash/day. [District Rule 2201] Federally Enforceable Through Title V Permit
13. For the wet ash unloading process, compliance with the dry ash maximum daily unloading throughput limit shall be demonstrated utilizing the following calculation: [equivalent quantity of dry ash unloaded from the storage silo (ton-dry ash /day)] = [quantity of wet ash unloaded from the silo (lb-wet ash unloaded/day)] x [1 - wet ash moisture content (lb-water / lb-wet ash)]. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Moisture content of wet ash unloaded from the dry ash storage silo shall be maintain above 10% or greater, by weight. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The percent moisture of wet ash unloaded from the dry ash storage silo shall be determined by weighing an approximately 2-lb sample of wet ash, bringing the sample to dryness in a drying oven, then weighing the dried sample; the weight difference is the moisture content. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Moisture content of wet ash unloaded from the dry ash storage silo shall be measured on monthly basis and when requested by the District. [District Rule 2201] Federally Enforceable Through Title V Permit
17. PM10 emissions from the baghouse serving the dry ash storage silo loading system shall not exceed 0.0072 lb/ton of dry ash loaded in the silo. [District Rule 2201] Federally Enforceable Through Title V Permit
18. PM10 emissions from the baghouse serving the dry ash unloading system shall not exceed 0.02 lb/ton of dry ash loaded in truck. [District Rule 2201] Federally Enforceable Through Title V Permit
19. PM10 emissions during the truck closing process, after truck is loaded with dry ash, shall not exceed 0.037 lb/ton of dry ash loaded in truck. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Daily records of the total quantity of dry ash, wet ash, and total dry ash calculated as the sum of dry ash and wet ash (on a dry ash basis), unloaded from the dry ash storage silo shall be maintained, retained on-site for a period of at least five (5) years and made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
21. 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, 9.4.2] Federally Enforceable Through Title V Permit
22. Record of monthly moisture content of the wet ash unloaded from the dry ash storage silo shall be maintained, retained on-site for a period of at least five (5) years and made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

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

*San Joaquin Valley*  
*Air Pollution Control District*

**PERMIT UNIT:** C-1820-8-5

**EXPIRATION DATE:** 11/30/2025

**EQUIPMENT DESCRIPTION:**

COOLING TOWER FOR ELECTRIC POWER PRODUCTION

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
2. No hexavalent chromium containing compounds shall be added to the water that is circulating through the cooling tower or will circulate through the cooling tower. [District Rule 7012] Federally Enforceable Through Title V Permit
3. The operator shall maintain records of all circulating water tests performed. Records shall be maintained for at least 5 years and shall be made available to the District upon request. [District Rule 2520, 9.4.2] 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:** C-1820-11-3

**EXPIRATION DATE:** 11/30/2025

**EQUIPMENT DESCRIPTION:**

SAND AND LIMESTONE RECEIVING AND STORAGE OPERATION INCLUDING ONE PNEUMATICALLY-FILLED 120-TON STORAGE SILO WITH FABRIC DUST COLLECTOR

### **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Visible emissions shall not exceed 1/4 Ringelmann or equivalent 5% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
3. Sand and limestone shall not be transferred into silo unless fabric filter baghouse is operating and functioning properly. [District Rule 1070] Federally Enforceable Through Title V Permit
4. Collected fines shall be returned to sand and limestone system. [District Rule 1070] Federally Enforceable Through Title V Permit
5. Sand and limestone receiving shall not exceed 48 hr/month. [District Rule 1070] Federally Enforceable Through Title V Permit
6. Silo fabric filter baghouse particulate matter (PM-10) emission rate shall not exceed 0.141 lb/hr and 0.02 gr/scf. [District Rules 4201 and 4202] Federally Enforceable Through Title V Permit
7. Fabric filter baghouse shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 1070] Federally Enforceable Through Title V Permit
8. Fabric filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 1070] Federally Enforceable Through Title V Permit
9. The records of hours of operation of sand and limestone receiving system shall be maintained on a monthly basis. [District Rule 1070] Federally Enforceable Through Title V Permit
10. Records of fabric filter baghouse 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 1070] Federally Enforceable Through Title V Permit
11. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

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