



OCT 21 2014

Mr. Ray Arthur
Fresno-Clovis Regional WWTP
5607 W. Jensen Ave
Fresno, CA 93706-9458

**Re: Notice of Minor Title V Permit Modification
District Facility # C-535
Project # C-1142670**

Dear Mr. Arthur:

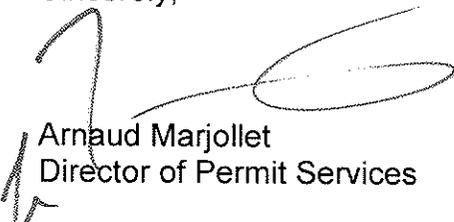
Enclosed is the District's analysis of your application for minor Title V permit modification for the facility identified above. You proposed a Title V minor permit modification to incorporate recently issued ATCs C-535-6-13 and 27-0 into the Title V operating permit. The ATCs authorized the installation of a biogas sulfur treatment unit and a temporary replacement biogas flare.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, recently issued ATCs C-535-6-13 and 27-0, emission increases, application, and previous Title V permit. This project will be subject to a 45-day EPA commenting period prior to the District taking final action.

If you have any questions, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Thank you for your cooperation in this matter.

Sincerely,



Arnaud Marjollet
Director of Permit Services

Enclosures

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

Seyed Sadredin
Executive Director/Air Pollution Control Officer

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

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

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

TITLE V APPLICATION REVIEW

Minor Modification
Project #: C-1142670

Engineer: Jonah Aiyabei
Date: October 16, 2014

Facility Number: C-535
Facility Name: Fresno-Clovis Regional WWTP
Mailing Address: 5607 W. Jensen Ave
Fresno, CA 93706

Contact Name: Ray Arthur
Phone: (559) 621-5266

Responsible Official: Stephen A. Hogg
Title: Assistant Director, Dept. of Public Utilities

I. PROPOSAL

Fresno-Clovis Regional WWTP is proposing a Title V minor permit modification to incorporate the recently issued ATC Numbers C-535-6-13 and 27-0 into the Title V operating permit. ATC 6-13 was issued for the installation of a biogas sulfur treatment unit, and ATC 27-0 was issued for the installation of a temporary replacement biogas flare.

The purpose of this evaluation is to identify all applicable requirements, determine if the facility will comply with the applicable requirements and to provide the legal and factual basis for the proposed revisions.

II. FACILITY LOCATION

The facility is located at 5607 W. Jensen Ave., Fresno.

III. EQUIPMENT DESCRIPTION

C-535-6-14: 16.7 MMBTU/HR CLEAVER-BROOKS MODEL CBI-700-400 DIGESTER GAS-FIRED BOILER WITH AN ALZETA MODEL CSB167R ULTRA LOW NOX BURNER AND SULFATREAT DIGESTER GAS TREATMENT SYSTEM

C-535-27-1: 107 MMBTU/HR JOHN ZINK COMPANY WASTE GAS FLARE
SERVING AS A TEMPORARY REPLACEMENT EMISSIONS UNIT (TREU)
[FOR PERMIT UNIT C-535-9]

IV. SCOPE OF EPA AND PUBLIC REVIEW

This change to a Title V permit is considered to be a minor modification and, as such, requires no public review.

V. APPLICABLE REQUIREMENTS

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

VI. DESCRIPTION OF PROPOSED MODIFICATIONS

ATC C-535-6-13 authorized the installation of a SulfaTreat digester gas treatment system for the existing waste gas-fired boiler. The boiler was previously fired on raw digester gas. H₂S levels in the raw digester gas were controlled by adding ferric chloride to the influent raw sewage. Installation of this treatment system will significantly reduce the need for ferric chloride treatment.

ATC C-535-27-0 authorized the installation of a 107 MMBtu/hr flare as a temporary replacement emissions unit (TREU) while the regular flare (permit unit C-535-9) was undergoing service and repair.

The permit conditions will be modified as explained under each permit unit below:

C-535-6-14:

Permit condition 1 on the current Permit to Operate was replaced with permit condition 1 on the proposed Permit to Operate. This condition requires that the equipment shall be maintained in good operating condition and operated in a manner to minimize emission of air contaminants.

Permit condition 9 on the current Permit to Operate was replaced with permit condition 9 on the proposed Permit to Operate. This condition requires that the boiler shall be equipped with a fuel flow meter.

Permit conditions 2 and 4 on the current Permit to Operate were replaced with permit conditions 2 and 4 on the proposed Permit to Operate. These conditions specify emissions limits.

Permit conditions 3, 5 and 6 on the current Permit to Operate were replaced with permit conditions 3, 5 and 6 on the proposed Permit to Operate. These conditions specify the type, quality, and quantity of fuel that may be used.

Permit conditions 7, 8, 10 and 15 through 23 on the current Permit to Operate were replaced with permit conditions 7, 8, 10 and 15 through 23 on the proposed Permit to Operate. These conditions specify source testing requirements.

Permit conditions 11 through 14 on the current Permit to Operate were replaced with permit conditions 11 through 14 on the proposed Permit to Operate. These conditions specify monitoring requirements.

Permit conditions 24 and 25 on the current Permit to Operate were replaced with permit conditions 24 and 25 on the proposed Permit to Operate. These conditions specify record keeping requirements.

C-535-27-1:

Permit conditions 2 through 30 from the ATC were added to the Permit to Operate as permit conditions 1 through 29.

Conditions 1 through 3 specify requirements for temporary emissions units.

Conditions 4 and 5 specify general requirements for proper operation of the equipment.

Conditions 7 through 9, 11, 12 and 23 specify design and operation requirements for the flare.

Conditions 6, 10, 14 and 15 specify emission and throughput limits.

Conditions 13 and 16 through 22 specify source testing requirements.

Condition 24 specifies monitoring requirements.

Conditions 25 through 29 specify record keeping requirements.

VII. COMPLIANCE

In accordance with Rule 2520, 3.20, these modifications:

1. Do not violate requirements of any applicable federally enforceable local or federal requirement;

2. Do not relax monitoring, reporting, or recordkeeping requirements in the permit and are not significant changes in existing monitoring permit terms or conditions;
3. Do not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for temporary sources of ambient impacts, or a visibility or increment analysis;
4. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include:
 - a. A federally enforceable emission cap assumed to avoid classification as a modification under any provisions of Title I of the Federal Clean Air Act; and
 - b. An alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Federal Clean Air Act; and
5. Are not Title I modifications as defined in District Rule 2520 or modifications as defined in section 111 or 112 of the Federal Clean Air Act; and
6. Do not seek to consolidate overlapping applicable requirements.

In accordance with Rule 2520, the application meets the procedural requirements of section 11.4 by including;

1. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;
2. The source's suggested draft permit; and
3. Certification by a responsible official that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used.

VIII. ATTACHMENTS

- A. Proposed Modified Title V Operating Permit No.s C-535-6-14 and -27-1
- B. Authorities to Construct No.s C-535-6-13 and 27-0
- C. Emissions Increases

Fresno-Clovis Regional WWTP
Facility # C-535
Project # C-1142670

- D. Application
- E. Previous Title V Operating Permit No. C-535-6-11

ATTACHMENT A

Proposed Modified Title V Operating Permit

No.s C-535-6-14 and -27-1

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-535-6-14

EXPIRATION DATE: 01/31/2016

EQUIPMENT DESCRIPTION:

16.7 MMBTU/HR CLEAVER-BROOKS MODEL CBI-700-400 DIGESTER GAS-FIRED BOILER WITH AN ALZETA MODEL CSB167R ULTRA LOW NOX BURNER AND SULFATREAT DIGESTER GAS TREATMENT SYSTEM

PERMIT UNIT REQUIREMENTS

1. 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
2. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO₂. [District Rules 4201 and 4301, 5.1] Federally Enforceable Through Title V Permit
3. The boiler may only be fired on digester gas except pilot light which may be fueled with PUC natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Emissions from the boiler shall not exceed any of the following limits: 9 ppmvd NO_x @ 3% O₂ or 0.011 lb-NO_x/MMBtu, 0.026 lb-SO_x/MMBtu, 0.0048 lb-PM₁₀/MMBtu, 100 ppmvd CO @ 3% O₂ or 0.061 lb-CO/MMBtu, or 0.004 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
5. Digester gas fuel consumption shall not exceed 730,400 cubic feet per day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The sulfur content of the fuel used by the boiler shall not exceed 5 gr/100 dscf. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
7. Daily testing of digester gas is required so as to not exceed an average of 79.6 ppm as hydrogen sulfide (H₂S). Corrections shall be made, and re-tested within three (3) hours in order to maintain average below 79.6 ppm. [District Rules 2201 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. The sulfur content of the gaseous fuel being fired in the unit shall be determined using ASTM D-1072, D-3031, D-4084, D3246, D-4810, or grab sample analysis by GC-FPD/TCD performed in the laboratory. [District Rules 2520, 9.3.2, and 4320] Federally Enforceable Through Title V Permit
9. The boiler shall be equipped with an operational non-resettable, totalizing mass or volumetric flow meter in the digester gas fuel supply line. [District Rules 2201 and 40 CFR 60.48 (c)(g)] Federally Enforceable Through Title V Permit
10. Source testing to measure digester gas-combustion NO_x and CO emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
11. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305, 4306, and 4320] 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. If either the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
13. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
14. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 3% O₂, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
15. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4320. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
16. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
17. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
18. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
19. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
20. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
21. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
22. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
23. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
24. Records of daily fuel consumption and daily sulfur testing results shall be maintained. [District Rules 1070, 2520, 9.3.2, and 40 CFR 60.48 (c)(g)] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

25. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit

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

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-535-27-1

EXPIRATION DATE: 01/31/2016

EQUIPMENT DESCRIPTION:

107 MMBTU/HR JOHN ZINK COMPANY WASTE GAS FLARE SERVING AS A TEMPORARY REPLACEMENT EMISSIONS UNIT (TREU) [FOR PERMIT UNIT C-535-9]

PERMIT UNIT REQUIREMENTS

1. This unit shall only be used to temporarily replace an existing unit that is shut down for maintenance or repair, and may only be used in this capacity if it meets the criteria set forth for a TREU in Rule 2201, Sections 3.41.1 through 3.41.3. [District Rule 2201]
2. This unit shall not be located at this stationary source for more than 180 days in any 12 month period. The time spent at a maintenance or storage facility is not considered time located at the stationary source. [District Rule 2201]
3. The operator shall maintain records of the specific equipment that this unit replaces, and of the dates and location of its operation. Operator shall maintain a record of each individual period of time and of the total time that this unit is located at this stationary source. [District Rule 2201]
4. 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 4102]
5. The flare shall be operated in a manner preventing the emission of noxious odors or other nuisances. [District Rule 4102]
6. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201]
7. The waste gas flare system shall be specifically designed for burning wastewater treatment plant digester gas, and alternate fuel may be used as pilot fuel. [District Rule 2201]
8. The flare shall be equipped and operated with a heat sensing device such as a thermocouple, ultraviolet beam sensor, infrared sensor, or an equivalent device, capable of continuously detecting at least one pilot flame. [District Rule 4311, 5.4]
9. The flare system shall have continuous readout and recording of gas flow rate and stack temperature. [District Rule 2201]
10. Total volume of gaseous fuel flared shall not exceed 1,584,000 scf per day. [District Rule 2201]
11. A flame shall be present at all times in the flare whenever combustible gases are vented through the flare. [District Rule 4311, 5.2]
12. The flare shall operate with a pilot flame present at all times when combustible gases are vented through the flare, except during purge periods for automatic-ignition equipped flares. [District Rule 4311, 5.3]
13. Daily testing of digester gas is required so as to not exceed an average of 200 ppm as hydrogen sulfide (H₂S). Corrections shall be made, and re-tested within 3 hours in order to maintain average below 200 ppm. [District Rule 2201]
14. Emissions shall not exceed any of the following limits: 0.18 lb PM₁₀/hr, 1.8 lb SO_x/hr, 2.2 lb NO_x/hr, or 10.5 lb CO/hr. [District Rules 2201 and 4311, 5.7]
15. VOC emissions shall not exceed 0.0027 lb-VOC/MMBtu. [District Rules 2201 and 4311, 5.7]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

16. Source testing to measure digester gas-combustion NOx and VOC emissions from this unit shall be conducted at least once every twelve (12) months. [District Rule 4311, 6.1.2]
17. The results of each source test shall be submitted to the District within 45 days thereafter. [District Rule 4311, 6.1.2]
18. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rules 1081 and 4311]
19. VOC emissions for source test purposes, measured and calculated as carbon, shall be determined by EPA Method 25, except when the outlet concentration must be below 50 ppm in order to meet the standard, in which case Method 25a may be used, and analysis of halogenated exempt compounds shall be analyzed by EPA Method 18 or ARB Method 422 "Determination of Volatile organic Compounds in Emission from Stationary Sources". [District Rule 4311, 6.3.1]
20. NOx emissions for source test purposes, in pounds per million Btu, shall be determined by using EPA Method 19. [District Rule 4311, 6.3.2]
21. NOx and O2 concentrations shall be determined by using EPA Method 3A, EPA Method 7E, or ARB 100. [District Rule 4311, 6.3.3]
22. The sulfur content of gas being flared shall be determined using ASTM D-1072, D-3031, D-4084, D 3246, D-4810, or grab sample analysis by GC-FPD/TCD performed in the laboratory. [District Rule 2520, 9.3.2]
23. The flare shall be operated according to the manufacturer's specifications, a copy of which shall be maintained on site. [District Rule 2520, 9.3.2]
24. This flare shall be inspected annually while in operation for visible emissions. If visible emissions are observed, corrective action shall be taken. If excess emissions continue, a EPA Method 9 test shall be conducted within 72 hours. [District Rule 2520, 9.3.2]
25. Daily records of total gas flared shall be maintained. [District NSR Rule and 2520, 9.3.2]
26. Records of flare maintenance, inspections and repair shall be maintained. [District Rule 2520, 9.3.2]
27. Records of daily sulfur testing results shall be maintained. [District Rule 2520, 9.3.2]
28. Records of all source tests shall be maintained. [District Rule 4311, 6.2]
29. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4311]

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

DRAFT

ATTACHMENT B

Authorities to Construct

No.s C-535-6-13 and -27-0



AUTHORITY TO CONSTRUCT

PERMIT NO: C-535-6-13

ISSUANCE DATE: 05/23/2014

LEGAL OWNER OR OPERATOR: FRESNO/CLOVIS REGIONAL WWTP
MAILING ADDRESS: 5607 W JENSEN AVE
FRESNO, CA 93706-9458

LOCATION: 5607 W JENSEN AVE
FRESNO, CA 93706

EQUIPMENT DESCRIPTION:

MODIFICATION OF 16.7 MMBTU/HR CLEAVER-BROOKS MODEL CBI-700-400 DIGESTER GAS-FIRED BOILER WITH AN ALZETA MODEL CSB167R ULTRA LOW NOX BURNER. INSTALL SULFATREAT DIGESTER GAS TREATMENT SYSTEM

CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] 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. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO2. [District Rules 4201 and 4301, 5.1] Federally Enforceable Through Title V Permit
4. The boiler may only be fired on digester gas except pilot light which may be fueled with PUC natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from the boiler shall not exceed any of the following limits: 9 ppmvd NOx @ 3% O2 or 0.011 lb-NOx/MMBtu, 0.026 lb-SOx/MMBtu, 0.0048 lb-PM10/MMBtu, 100 ppmvd CO @ 3% O2 or 0.061 lb-CO/MMBtu, or 0.004 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
6. Digester gas fuel consumption shall not exceed 730,400 cubic feet per day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The sulfur content of the fuel used by the boiler shall not exceed 5 gr/100 dscf. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Sayed Sadredin, Executive Director / APCO

Martin Keast for

Arnaud Marjollet, Director of Permit Services

C-535-6-13 : May 23 2014 6:47AM - AYABEU : Joint Inspection NOT Required

8. Daily testing of digester gas is required so as to not exceed an average of 79.6 ppm as hydrogen sulfide (H₂S). Corrections shall be made, and re-tested within three (3) hours in order to maintain average below 79.6 ppm. [District Rules 2201 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
9. The sulfur content of the gaseous fuel being fired in the unit shall be determined using ASTM D-1072, D-3031, D-4084, D3246, D-4810, or grab sample analysis by GC-FPD/TCD performed in the laboratory. [District Rules 2520, 9.3.2, and 4320] Federally Enforceable Through Title V Permit
10. The boiler shall be equipped with an operational non-resettable, totalizing mass or volumetric flow meter in the digester gas fuel supply line. [District Rules 2201 and 40 CFR 60.48 (c)(g)] Federally Enforceable Through Title V Permit
11. Source testing to measure digester gas-combustion NO_x and CO emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
12. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
13. If either the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
14. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
15. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 3% O₂, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
16. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4320. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
17. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
18. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE.

19. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
20. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
21. NOx emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
22. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
23. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
24. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
25. Records of daily fuel consumption and daily sulfur testing results shall be maintained. [District Rules 1070, 2520, 9.3.2, and 40 CFR 60.48 (c)(g)] Federally Enforceable Through Title V Permit
26. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit



AUTHORITY TO CONSTRUCT

PERMIT NO: C-535-27-0

ISSUANCE DATE: 06/07/2013

LEGAL OWNER OR OPERATOR: FRESNO/CLOVIS REGIONAL WWTP
MAILING ADDRESS: 5607 W JENSEN AVE
FRESNO, CA 93706-9458

LOCATION: 5607 W JENSEN AVE
FRESNO, CA 93706

EQUIPMENT DESCRIPTION:
107 MMBTU/HR JOHN ZINK COMPANY WASTE GAS FLARE SERVING AS A TEMPORARY REPLACEMENT EMISSIONS UNIT (TREU) [FOR PERMIT UNIT C-535-9]

CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. This unit shall only be used to temporarily replace an existing unit that is shut down for maintenance or repair, and may only be used in this capacity if it meets the criteria set forth for a TREU in Rule 2201, Sections 3.41.1 through 3.41.3. [District Rule 2201]
3. This unit shall not be located at this stationary source for more than 180 days in any 12 month period. The time spent at a maintenance or storage facility is not considered time located at the stationary source. [District Rule 2201]
4. The operator shall maintain records of the specific equipment that this unit replaces, and of the dates and location of its operation. Operator shall maintain a record of each individual period of time and of the total time that this unit is located at this stationary source. [District Rule 2201]
5. 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 4102]
6. The flare shall be operated in a manner preventing the emission of noxious odors or other nuisances. [District Rule 4102]
7. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201]

CONDITIONS CONTINUE ON NEXT PAGE

YOU **MUST** NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO


DAVID WARNER, Director of Permit Services

C-535-27-0 Jun 7 2013 8:33AM - GARCIAJ : Joint Inspection NOT Required

8. The waste gas flare system shall be specifically designed for burning wastewater treatment plant digester gas, and alternate fuel may be used as pilot fuel. [District Rule 2201]
9. The flare shall be equipped and operated with a heat sensing device such as a thermocouple, ultraviolet beam sensor, infrared sensor, or an equivalent device, capable of continuously detecting at least one pilot flame. [District Rule 4311, 5.4]
10. The flare system shall have continuous readout and recording of gas flow rate and stack temperature. [District Rule 2201]
11. Total volume of gaseous fuel flared shall not exceed 1,584,000 scf per day. [District Rule 2201]
12. A flame shall be present at all times in the flare whenever combustible gases are vented through the flare. [District Rule 4311, 5.2]
13. The flare shall operate with a pilot flame present at all times when combustible gases are vented through the flare, except during purge periods for automatic-ignition equipped flares. [District Rule 4311, 5.3]
14. Daily testing of digester gas is required so as to not exceed an average of 200 ppm as hydrogen sulfide (H₂S). Corrections shall be made, and re-tested within 3 hours in order to maintain average below 200 ppm. [District Rule 2201]
15. Emissions shall not exceed any of the following limits: 0.18 lb PM₁₀/hr, 1.8 lb SO_x/hr, 2.2 lb NO_x/hr, or 10.5 lb CO/hr. [District Rules 2201 and 4311, 5.7]
16. VOC emissions shall not exceed 0.0027 lb-VOC/MMBtu. [District Rules 2201 and 4311, 5.7]
17. Source testing to measure digester gas-combustion NO_x and VOC emissions from this unit shall be conducted at least once every twelve (12) months. [District Rule 4311, 6.1.2]
18. The results of each source test shall be submitted to the District within 45 days thereafter. [District Rule 4311, 6.1.2]
19. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rules 1081 and 4311]
20. VOC emissions for source test purposes, measured and calculated as carbon, shall be determined by EPA Method 25, except when the outlet concentration must be below 50 ppm in order to meet the standard, in which case Method 25a may be used, and analysis of halogenated exempt compounds shall be analyzed by EPA Method 18 or ARB Method 422 "Determination of Volatile organic Compounds in Emission from Stationary Sources". [District Rule 4311, 6.3.1]
21. NO_x emissions for source test purposes, in pounds per million Btu, shall be determined by using EPA Method 19. [District Rule 4311, 6.3.2]
22. NO_x and O₂ concentrations shall be determined by using EPA Method 3A, EPA Method 7E, or ARB 100. [District Rule 4311, 6.3.3]
23. The sulfur content of gas being flared shall be determined using ASTM D-1072, D-3031, D-4084, D 3246, D-4810, or grab sample analysis by GC-FPD/TCD performed in the laboratory. [District Rule 2520, 9.3.2]
24. The flare shall be operated according to the manufacturer's specifications, a copy of which shall be maintained on site. [District Rule 2520, 9.3.2]
25. This flare shall be inspected annually while in operation for visible emissions. If visible emissions are observed, corrective action shall be taken. If excess emissions continue, a EPA Method 9 test shall be conducted within 72 hours. [District Rule 2520, 9.3.2]
26. Daily records of total gas flared shall be maintained. [District NSR Rule and 2520, 9.3.2]
27. Records of flare maintenance, inspections and repair shall be maintained. [District Rule 2520, 9.3.2]
28. Records of daily sulfur testing results shall be maintained. [District Rule 2520, 9.3.2]
29. Records of all source tests shall be maintained. [District Rule 4311, 6.2]

CONDITIONS CONTINUE ON NEXT PAGE

30. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4311]

ATTACHMENT C

Emissions Increases

	SSIPE (lb/yr)				
	NOx	VOC	CO	SOx	PM10
C-535-6-13	0	0	0	0	0
C-535-27-0 (TREU)	0	0	0	0	0
TOTAL	0	0	0	0	0

ATTACHMENT D

Application



San Joaquin Valley Air Pollution Control District

www.valleyair.org

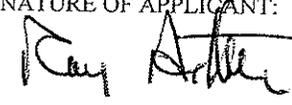


RECEIVED

SEP 29 2014

Permit Application For:

ADMINISTRATIVE AMENDMENT MINOR MODIFICATION SIGNIFICANT MODIFICATION **Permits Section**
SJVAPCD

1. PERMIT TO BE ISSUED TO: Fresno-Clovis Regional Wastewater Reclamation Facility	
2. MAILING ADDRESS: STREET/P.O. BOX: 5607 W. Jensen Ave. CITY: Fresno STATE: CA 9-DIGIT ZIP CODE: 93706-9458	
3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED: STREET: 5607 W. Jensen Ave. CITY: Fresno NW ¼ SECTION FRESNO TOWNSHIP 14 SOUTH RANGE 19 EAST	INSTALLATION DATE: Tentatively: 10.15.14
4. GENERAL NATURE OF BUSINESS: WASTEWATER	
5. DESCRIPTION OF EQUIPMENT OR MODIFICATION FOR WHICH APPLICATION IS MADE (include Permit #'s if known, and use additional sheets if necessary) Issued ATC to install a Sulfur Treatment system that will allow raw biogas, after being treated to lower H2S content below 79.6 ppm, to flow into RWRf Boiler – Permit # C-535-6-11.	
6. TYPE OR PRINT NAME OF APPLICANT: Ray Arthur	TITLE OF APPLICANT: Project Manager – Air Resources
7. SIGNATURE OF APPLICANT: 	DATE: 9.25.14 PHONE: (559) 621.5266 FAX: (559) 498.1700 EMAIL: ray.arthur@fresno.gov

For APCD Use Only:

DATE STAMP	FILING FEE RECEIVED: \$ _____ CHECK#: _____
	DATE PAID: _____
	PROJECT NO: C-1142670 FACILITY ID: C-535



San Joaquin Valley Air Pollution Control District

www.valleyair.org



Permit Application For:

[] ADMINISTRATIVE AMENDMENT [X] MINOR MODIFICATION [] SIGNIFICANT MODIFICATION

1. PERMIT TO BE ISSUED TO: Fresno-Clovis Regional Wastewater Reclamation Facility	
2. MAILING ADDRESS:	
STREET/P.O. BOX: 5607 W. Jensen Ave.	
CITY: Fresno	STATE: CA
	9-DIGIT ZIP CODE: 93706-9458
3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED:	INSTALLATION DATE:
STREET: 5607 W. Jensen Ave.	11.1.13
CITY: Fresno	
NW ¼ SECTION FRESNO TOWNSHIP 14 SOUTH RANGE 19 EAST	
4. GENERAL NATURE OF BUSINESS:	
WASTEWATER	
5. DESCRIPTION OF EQUIPMENT OR MODIFICATION FOR WHICH APPLICATION IS MADE (include Permit #'s if known, and use additional sheets if necessary)	
ATC C-535-27-0 was issued on 6.3.13 to the RWRf for a temporary Flare to be used, if necessary, during the repair of RWRf Flare: C-535-9-3. The temporary flare was installed on 11.1.13 and removed on 11.22.14. The temporary flare was not needed or used.	
6. TYPE OR PRINT NAME OF APPLICANT:	TITLE OF APPLICANT:
Ray Arthur	Project Manager – Air Resources
7. SIGNATURE OF APPLICANT:	PHONE: (559) 621.5266
	FAX: (559) 498.1700
DATE: 9.25.14	EMAIL: ray.arthur@fresno.gov

For APCD Use Only:

DATE STAMP	FILING FEE RECEIVED: \$ _____ CHECK#: _____
	DATE PAID: _____
	PROJECT NO: _____ FACILITY ID: _____



**San Joaquin Valley
Unified Air Pollution Control District**



TITLE V MODIFICATION - COMPLIANCE CERTIFICATION FORM

I. TYPE OF PERMIT ACTION (Check appropriate box)

- SIGNIFICANT PERMIT MODIFICATION ADMINISTRATIVE
 MINOR PERMIT MODIFICATION AMENDMENT

COMPANY NAME: Fresno-Clovis Regional Wastewater Reclamation Facility	FACILITY ID: C - 535
1. Type of Organization: <input type="checkbox"/> Corporation <input type="checkbox"/> Sole Ownership <input checked="" type="checkbox"/> Government <input type="checkbox"/> Partnership <input type="checkbox"/> Utility	
2. Owner's Name: City of Fresno	
3. Agent to the Owner: N/A	

II. COMPLIANCE CERTIFICATION (Read each statement carefully and initial all circles for confirmation):

- Based on information and belief formed after reasonable inquiry, the equipment identified in this application will continue to comply with the applicable federal requirement(s).
- Based on information and belief formed after reasonable inquiry, the equipment identified in this application will comply with applicable federal requirement(s) that will become effective during the permit term, on a timely basis.
- Corrected information will be provided to the District when I become aware that incorrect or incomplete information has been submitted.
- Based on information and belief formed after reasonable inquiry, information and statements in the submitted application package, including all accompanying reports, and required certifications are true accurate and complete.

I declare, under penalty of perjury under the laws of the state of California, that the forgoing is correct and true:

Stephen A. Hogg
 Signature of Responsible Official

10.14.14
 Date

Stephen A. Hogg
 Name of Responsible Official (please print)

Assistant Director, Department of Public Utilities
 Title of Responsible Official (please print)

ATTACHMENT E

Previous Title V Operating Permit

No. C-535-6-11

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-535-6-11

EXPIRATION DATE: 01/31/2016

EQUIPMENT DESCRIPTION:

16.7 MMBTU/HR CLEAVER-BROOKS MODEL CBI-700-400 DIGESTER GAS-FIRED BOILER WITH AN ALZETA MODEL CSB167R ULTRA LOW NOX BURNER

PERMIT UNIT REQUIREMENTS

1. 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
2. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO₂. [District Rules 4201 and 4301, 5.1] Federally Enforceable Through Title V Permit
3. The boiler may only be fired on digester gas except pilot light which may be fueled with PUC natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Emissions from the boiler shall not exceed any of the following limits: 9 ppmvd NO_x @ 3% O₂ or 0.011 lb-NO_x/MMBtu, 0.026 lb-SO_x/MMBtu, 0.0048 lb-PM₁₀/MMBtu, 100 ppmvd CO @ 3% O₂ or 0.061 lb-CO/MMBtu, or 0.004 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
5. Digester gas fuel consumption shall not exceed 730,400 cubic feet per day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The sulfur content of the fuel used by the boiler shall not exceed 5 gr/100 dscf. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
7. Daily testing of digester gas is required so as to not exceed an average of 79.6 ppm as hydrogen sulfide (H₂S). Corrections shall be made, and re-tested within three (3) hours in order to maintain average below 79.6 ppm. [District Rules 2201 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. The sulfur content of the gaseous fuel being fired in the unit shall be determined using ASTM D-1072, D-3031, D-4084, D3246, D-4810, or grab sample analysis by GC-FPD/TCD performed in the laboratory. [District Rules 2520, 9.3.2, and 4320] Federally Enforceable Through Title V Permit
9. The boiler shall be equipped with an operational non-resettable, totalizing mass or volumetric flow meter in the digester gas fuel supply line. [District Rules 2201 and 40 CFR 60.48 (c)(g)] Federally Enforceable Through Title V Permit
10. Source testing to measure digester gas-combustion NO_x and CO emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
11. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305, 4306, and 4320] 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. If either the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
13. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
14. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 3% O₂, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
15. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4320. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
16. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
17. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
18. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
19. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
20. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
21. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
22. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
23. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
24. Records of daily fuel consumption and daily sulfur testing results shall be maintained. [District Rules 1070, 2520, 9.3.2, and 40 CFR 60.48 (c)(g)] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

25. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit

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