



Ms. Debbie Livermore
City of Stockton
2500 Navy Drive
Stockton, CA 95206-1147

**Re: Notice of Minor Title V Permit Modification
District Facility # N-811
Project # N-1160550**

Dear Ms. Livermore:

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 into the Title V operating permit the Authority to Construct permit recently issued N-811-21-9 (under project N-1160458), which designated an engine as a dormant emission unit.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, recently issued ATC N-811-21-9, 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. Nick Peirce, Permit Services Manager, at (209) 557-6400.

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 #: N-1160550

Engineer: Rupi Gill
Date: March 14, 2016

Facility Number: N-811
Facility Name: City of Stockton
Mailing Address: 2500 Navy Drive
Stockton, CA 95206-1147

Contact Name: Debbie Livermore
Phone: (209) 937-8700

Responsible Official: Robert Granberg
Title: Director of Municipal Utilities

I. PROPOSAL

City of Stockton is proposing a Minor Modification to its Title V permit to incorporate Authority to Construct permit (ATC) N-811-21-9. The change authorized by this ATC is:

N-811-21-9: MODIFICATION OF 1,408 HP WAUKESHA MODEL L7042GLD DIGESTER GAS/NATURAL GAS-FIRED LEAN BURN PRECOMBUSTION CHAMBER TYPE IC ENGINE WITH SILOXANE SCRUBBER POWERING AN ELECTRICAL GENERATOR (DUAL SILOXANE FILTER SYSTEM (SCRUBBER) USED TO SCRUB THE DIGESTER GAS PRIOR TO COMBUSTION IN ENGINES N-811-21-2, -22-2, & -23-2): DESIGNATE AS A COMPLIANT DORMANT EMISSIONS UNIT (DEU)

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

This facility is located at 2500 Navy Drive, Stockton, California.

III. EQUIPMENT DESCRIPTION

N-811-21-10: 1,408 HP WAUKESHA MODEL L7042GLD DIGESTER GAS/NATURAL GAS-FIRED LEAN BURN PRECOMBUSTION CHAMBER TYPE IC ENGINE WITH SILOXANE SCRUBBER POWERING AN ELECTRICAL GENERATOR (DUAL SILOXANE FILTER SYSTEM (SCRUBBER) USED TO SCRUB THE DIGESTER GAS PRIOR TO COMBUSTION IN ENGINES N-811-21-2, -22-2, & -23-2).

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

City of Stockton received above mentioned Authority to Construct permit, which authorized to designate the equipment as a compliant dormant emissions units (DEU). The applicant has disconnected the fuel line to engine to ensure that the equipment does not operate while dormant. City of Stockton is now proposing to incorporate that Authority to Construct permit into the facility Title V permit.

This section details the description of the modifications to the permit conditions.

Following conditions will be added to the each permit:

1. While dormant, the fuel line shall be physically disconnected from the unit. [District Rule 2080] N
2. {4562} Permittee shall submit written notification to the District upon designating the unit as dormant or active. [District Rule 2080] N
3. {4560} While dormant, normal source testing shall not be required. [District Rule 2080] N
4. {4563} Upon recommencing operation of this unit, normal source testing shall resume. [District Rule 2080] N

5. {4564} Any source testing required by this permit shall be performed within 60 days of recommencing operation of this unit, regardless of whether the unit remains active or is again designated as dormant. [District Rule 2080] N
6. {4565} Records of all dates and times that this unit is designated as dormant or active, and copies of all corresponding notices to the District, shall be maintained, retained for a period of at least five years, and made available for District inspection upon request. [District Rule 1070] N

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. Draft Title V Operating Permit N-811-21-10
- B. Authority to Construct N-811-21-9
- C. Emissions Increases
- D. Application

ATTACHMENT A

Proposed Modified Title V Operating Permit

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-811-21-10

EXPIRATION DATE: 11/30/2018

EQUIPMENT DESCRIPTION:

1,408 HP WAUKESHA MODEL L7042GLD DIGESTER GAS/NATURAL GAS-FIRED LEAN BURN PRECOMBUSTION CHAMBER TYPE IC ENGINE WITH SILOXANE SCRUBBER POWERING AN ELECTRICAL GENERATOR (DUAL SILOXANE FILTER SYSTEM (SCRUBBER) USED TO SCRUB THE DIGESTER GAS PRIOR TO COMBUSTION IN ENGINES N-811-21-2, -22-2, & -23-2).

PERMIT UNIT REQUIREMENTS

1. While dormant, the fuel line shall be physically disconnected from the unit. [District Rule 2080]
2. {4562} Permittee shall submit written notification to the District upon designating the unit as dormant or active. [District Rule 2080]
3. {4560} While dormant, normal source testing shall not be required. [District Rule 2080]
4. {4563} Upon recommencing operation of this unit, normal source testing shall resume. [District Rule 2080]
5. {4564} Any source testing required by this permit shall be performed within 60 days of recommencing operation of this unit, regardless of whether the unit remains active or is again designated as dormant. [District Rule 2080]
6. {4565} Records of all dates and times that this unit is designated as dormant or active, and copies of all corresponding notices to the District, shall be maintained, retained for a period of at least five years, and made available for District inspection upon request. [District Rule 1070]
7. 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 San Joaquin County Rule 407] Federally Enforceable Through Title V Permit
8. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201] Federally Enforceable Through Title V Permit
9. The permittee shall install and operate a nonresettable fuel meter and a nonresettable elapsed operating time meter. In lieu of installing a nonresettable fuel meter, the owner or operator may use a non-resettable elapsed operating time meter in conjunction with the engine manufacturer's maximum rated fuel consumption to determine monthly fuel usage. [District Rule 4702] Federally Enforceable Through Title V Permit
10. The engine shall be operated and maintained in accordance with manufacturer's emission related written instructions and in a manner consistent with safety and good air pollution control practice for minimizing emissions. Alternatively, the facility may develop a plan that provides maintenance that is consistent with good air pollution control practice for minimizing emissions. [40 CFR Parts 63.6605(b) and 63.6625(e)(3) and 40 CFR Part 63 Subpart ZZZZ Table 6] Federally Enforceable Through Title V Permit
11. The NOx emissions shall not exceed 65 ppmv @ 15% O2. [District NSR Rule and District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
12. The CO emissions shall not exceed 2.65 grams/bhp-hr. [District NSR Rule and District Rules 4701 and 4701] Federally Enforceable Through Title V Permit
13. The VOC emissions shall not exceed 0.75 grams/bhp-hr. [District NSR Rule and District Rules 4701 and 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. The SOx emissions shall not exceed 0.036 grams/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The PM10 emissions shall not exceed 0.1 grams/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
16. The fuel sulfur content shall not exceed 5 grains of total sulfur per 100 standard cubic feet. [District Rule 4702] Federally Enforceable Through Title V Permit
17. Source testing to demonstrate compliance with the NOx, CO, VOC, SOx and PM10 limits of this permit shall be conducted at least once every 24 months. [District NSR Rule, 4701, and 4702] Federally Enforceable Through Title V Permit
18. The fuel sulfur content shall be determined on an annual basis utilizing EPA Method 11 or EPA Method 15 as appropriate. Records of the fuel analyses shall be kept and provided to the District upon request. [District Rule 4702] 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 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
20. 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
21. Sampling facilities for source testing shall be provided in accordance with the provisions of District Rule 1081 (as amended 12/16/93). [District Rule 1081] Federally Enforceable Through Title V Permit
22. Source testing for NOx shall be conducted utilizing CARB method 100 or EPA method 7E. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
23. Source testing for CO shall be conducted utilizing CARB method 100 or EPA method 10. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
24. Source testing for VOC emission concentration shall be conducted utilizing EPA method 25 or EPA method 18, referenced as methane. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
25. Source testing for SOx shall be conducted utilizing EPA method 8 and ARB method 100. [District Rule 4801 and San Joaquin County Rule 407] Federally Enforceable Through Title V Permit
26. Source testing for PM10 emissions shall be conducted utilizing CARB method 501 in conjunction with CARB method 5, EPA methods 201 and 202 or EPA methods 201A and 202. If the facility agrees that the PM10 emissions are equal to the total particulate matter emissions then source testing for PM10 may be conducted utilizing CARB method 5 including the back half or CARB method 17 including the back half. [District NSR Rule] Federally Enforceable Through Title V Permit
27. The permittee shall monitor the hydrogen sulfide influent concentration on a daily basis with the use of a Draeger tube or District approved equivalent method. [District NSR Rule] Federally Enforceable Through Title V Permit
28. The permittee shall monitor and record the stack concentration of NOx at least once every calendar quarter (in which a source test is not performed) using a portable emission monitor that meets District specifications. All 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 4701 and 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

29. The permittee shall monitor and record the stack concentration of O₂ at least once every month using a portable emissions monitor that meets District specifications. [In-stack O₂ monitors may be allowed if approved by the APCO]. Monitoring shall not be required if the engine is not in operation, i.e. the engine need not be started solely to perform monitoring. Monitoring shall be performed within 1 day of restarting the engine unless monitoring has been performed within the last month. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
30. The exhaust gas O₂ concentration shall be maintained between 8.83 to 9.20 % O₂ for digester gas and between 9.55% to 9.89% for natural gas. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
31. If the concentration, as measured by the portable analyzer, is outside the permitted range, the permittee shall return the O₂ to within the acceptable range as soon as possible, but no longer than 8 hours after detection. If the portable analyzer readings continue outside the permitted range after 8 hours, the permittee shall notify the District within the following 1 hour, and conduct a certified source test within the 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 performing the notification and testing required by this condition. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
32. The motor oil and the motor oil filter shall be changed at least every 2,160 hours of operation or annually, whichever comes first. [40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit
33. The spark plugs shall be inspected at least every 2,160 hours of operation or annually, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit
34. All belts and hoses shall be inspected at least once every 2,160 hours of operation or annually, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit
35. The facility operator shall reevaluate the the Remote Stationary RICE status of this unit at least once every 12 months. If the evaluation shows that the unit no longer meets the definition of Remote Stationary Rice in this subpart, the operator shall comply with all of the requirements that apply to this unit within 1 year of the evaluation [40 CFR Part 63.6603(f)] Federally Enforceable Through Title V Permit
36. The facility operator shall keep records of the initial and annual evaluation of the Remote Stationary RICE status of the engine. [40 CFR Part 63.6603(f)] Federally Enforceable Through Title V Permit
37. The permittee shall maintain records of: (1) the date and time of O₂ and NO_x measurements, (2) the O₂ and NO_x concentration in percent, (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 limits with the acceptable range. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
38. Records of the quantity and type of fuel burned, in BTUs, the influent hydrogen sulfide concentration, and of the annual SO_x emissions shall be kept. [District NSR Rule] Federally Enforceable Through Title V Permit
39. The facility shall maintain records of all inspections and maintenance of the engine. [40 CFR Part 63.6655(e)(3)] Federally Enforceable Through Title V Permit
40. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, 9.4.2 and 4702] Federally Enforceable Through Title V Permit

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

DRAFT

ATTACHMENT B

Authority to Construct Permit



AUTHORITY TO CONSTRUCT

PERMIT NO: N-811-21-9

ISSUANCE DATE: 02/29/2016

LEGAL OWNER OR OPERATOR: STOCKTON RWCF
MAILING ADDRESS: 2500 NAVY DRIVE
STOCKTON, CA 95206

LOCATION: 2500 NAVY DR
STOCKTON, CA 95206

EQUIPMENT DESCRIPTION:

MODIFICATION OF 1,408 HP WAUKESHA MODEL L7042GLD DIGESTER GAS/NATURAL GAS-FIRED LEAN BURN PRECOMBUSTION CHAMBER TYPE IC ENGINE WITH SILOXANE SCRUBBER POWERING AN ELECTRICAL GENERATOR (DUAL SILOXANE FILTER SYSTEM (SCRUBBER) USED TO SCRUB THE DIGESTER GAS PRIOR TO COMBUSTION IN ENGINES N-811-21-2, -22-2, & -23-2); DESIGNATE AS A COMPLIANT DORMANT EMISSIONS UNIT (DEU)

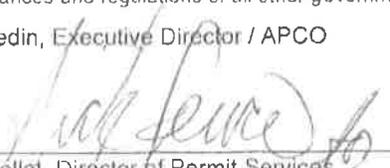
CONDITIONS

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. While dormant, the fuel line shall be physically disconnected from the unit. [District Rule 2080]
3. Permittee shall submit written notification to the District upon designating the unit as dormant or active. [District Rule 2080]
4. While dormant, normal source testing shall not be required. [District Rule 2080]
5. Upon recommencing operation of this unit, normal source testing shall resume. [District Rule 2080]
6. Any source testing required by this permit shall be performed within 60 days of recommencing operation of this unit, regardless of whether the unit remains active or is again designated as dormant. [District Rule 2080]
7. Records of all dates and times that this unit is designated as dormant or active, and copies of all corresponding notices to the District, shall be maintained, retained for a period of at least five years, and made available for District inspection upon request. [District Rule 1070]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (209) 557-6400 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


Arnaud Marjollet, Director of Permit Services

N-811-21-9 Feb 29 2016 3:31PM - GILLR Joint Inspection NOT Required

8. 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 San Joaquin County Rule 407] Federally Enforceable Through Title V Permit
9. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201] Federally Enforceable Through Title V Permit
10. The permittee shall install and operate a nonresettable fuel meter and a nonresettable elapsed operating time meter. In lieu of installing a nonresettable fuel meter, the owner or operator may use a non-resettable elapsed operating time meter in conjunction with the engine manufacturer's maximum rated fuel consumption to determine monthly fuel usage. [District Rule 4702] Federally Enforceable Through Title V Permit
11. The engine shall be operated and maintained in accordance with manufacturer's emission related written instructions and in a manner consistent with safety and good air pollution control practice for minimizing emissions. Alternatively, the facility may develop a plan that provides maintenance that is consistent with good air pollution control practice for minimizing emissions. [40 CFR Parts 63.6605(b) and 63.6625(e)(3) and 40 CFR Part 63 Subpart ZZZZ Table 6] Federally Enforceable Through Title V Permit
12. The NO_x emissions shall not exceed 65 ppmv @ 15% O₂. [District NSR Rule and District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
13. The CO emissions shall not exceed 2.65 grams/bhp-hr. [District NSR Rule and District Rules 4701 and 4701] Federally Enforceable Through Title V Permit
14. The VOC emissions shall not exceed 0.75 grams/bhp-hr. [District NSR Rule and District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
15. The SO_x emissions shall not exceed 0.036 grams/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
16. The PM₁₀ emissions shall not exceed 0.1 grams/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
17. The fuel sulfur content shall not exceed 5 grains of total sulfur per 100 standard cubic feet. [District Rule 4702] Federally Enforceable Through Title V Permit
18. Source testing to demonstrate compliance with the NO_x, CO, VOC, SO_x and PM₁₀ limits of this permit shall be conducted at least once every 24 months. [District NSR Rule, 4701, and 4702] Federally Enforceable Through Title V Permit
19. The fuel sulfur content shall be determined on an annual basis utilizing EPA Method 11 or EPA Method 15 as appropriate. Records of the fuel analyses shall be kept and provided to the District upon request. [District Rule 4702] 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 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
21. 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
22. Sampling facilities for source testing shall be provided in accordance with the provisions of District Rule 1081 (as amended 12/16/93). [District Rule 1081] Federally Enforceable Through Title V Permit
23. Source testing for NO_x shall be conducted utilizing CARB method 100 or EPA method 7E. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
24. Source testing for CO shall be conducted utilizing CARB method 100 or EPA method 10. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
25. Source testing for VOC emission concentration shall be conducted utilizing EPA method 25 or EPA method 18, referenced as methane. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit

26. Source testing for SO_x shall be conducted utilizing EPA method 8 and ARB method 100. [District Rule 4801 and San Joaquin County Rule 407] Federally Enforceable Through Title V Permit
27. Source testing for PM₁₀ emissions shall be conducted utilizing CARB method 501 in conjunction with CARB method 5, EPA methods 201 and 202 or EPA methods 201A and 202. If the facility agrees that the PM₁₀ emissions are equal to the total particulate matter emissions then source testing for PM₁₀ may be conducted utilizing CARB method 5 including the back half or CARB method 17 including the back half. [District NSR Rule] Federally Enforceable Through Title V Permit
28. The permittee shall monitor the hydrogen sulfide influent concentration on a daily basis with the use of a Draeger tube or District approved equivalent method. [District NSR Rule] Federally Enforceable Through Title V Permit
29. The permittee shall monitor and record the stack concentration of NO_x at least once every calendar quarter (in which a source test is not performed) using a portable emission monitor that meets District specifications. All 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 4701 and 4702] Federally Enforceable Through Title V Permit
30. The permittee shall monitor and record the stack concentration of O₂ at least once every month using a portable emissions monitor that meets District specifications. [In-stack O₂ monitors may be allowed if approved by the APCO]. Monitoring shall not be required if the engine is not in operation, i.e. the engine need not be started solely to perform monitoring. Monitoring shall be performed within 1 day of restarting the engine unless monitoring has been performed within the last month. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
31. The exhaust gas O₂ concentration shall be maintained between 8.83 to 9.20 % O₂ for digester gas and between 9.55% to 9.89% for natural gas. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
32. If the concentration, as measured by the portable analyzer, is outside the permitted range, the permittee shall return the O₂ to within the acceptable range as soon as possible, but no longer than 8 hours after detection. If the portable analyzer readings continue outside the permitted range after 8 hours, the permittee shall notify the District within the following 1 hour, and conduct a certified source test within the 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 performing the notification and testing required by this condition. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
33. The motor oil and the motor oil filter shall be changed at least every 2,160 hours of operation or annually, whichever comes first. [40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit
34. The spark plugs shall be inspected at least every 2,160 hours of operation or annually, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit
35. All belts and hoses shall be inspected at least once every 2,160 hours of operation or annually, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit
36. The facility operator shall reevaluate the the Remote Stationary RICE status of this unit at least once every 12 months. If the evaluation shows that the unit no longer meets the definition of Remote Stationary Rice in this subpart, the operator shall comply with all of the requirements that apply to this unit within 1 year of the evaluation [40 CFR Part 63.6603(f)] Federally Enforceable Through Title V Permit
37. The facility operator shall keep records of the initial and annual evaluation of the Remote Stationary RICE status of the engine. [40 CFR Part 63.6603(f)] Federally Enforceable Through Title V Permit
38. The permittee shall maintain records of: (1) the date and time of O₂ and NO_x measurements, (2) the O₂ and NO_x concentration in percent, (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 limits with the acceptable range. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

39. Records of the quantity and type of fuel burned, in BTUs, the influent hydrogen sulfide concentration, and of the annual SO_x emissions shall be kept. [District NSR Rule] Federally Enforceable Through Title V Permit
40. The facility shall maintain records of all inspections and maintenance of the engine. [40 CFR Part 63.6655(e)(3)] Federally Enforceable Through Title V Permit
41. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, 9.4.2 and 4702] Federally Enforceable Through Title V Permit

ATTACHMENT C

Emissions Increases

ATCs	SSIPE (lb/yr)				
	NO _x	VOC	CO	SO _x	PM ₁₀
N-811-21-9	0	0	0	0	0
TOTAL	0	0	0	0	0

ATTACHMENT D

Application

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: <u>City of Stockton</u>	
2. MAILING ADDRESS: STREET/P.O. BOX: <u>2500 Navy Dr.</u> CITY: <u>Stockton</u> STATE: <u>CA</u> 9-DIGIT ZIP CODE: <u>95206-1147</u>	
3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED: STREET: <u>2500 Navy Dr.</u> CITY: <u>Stockton</u> _____ ¼ SECTION _____ TOWNSHIP _____ RANGE _____	INSTALLATION DATE:
4. GENERAL NATURE OF BUSINESS: <u>Municipal Utilities</u>	
5. DESCRIPTION OF EQUIPMENT OR MODIFICATION FOR WHICH APPLICATION IS MADE (include Permit #'s if known, and use additional sheets if necessary) Request Dormant Emission Status for Cogeneration engine #1 N-811-21-7 (1,408 HP Waukesha Digester Gas/Natural Gas fired engine powering an electrical generator-Cogeneration Engine #1). Cogeneration engine #1 has been in a non-operational status since July 11, 2014, and is scheduled for a major rehabilitation in fiscal year 2016-17.	
6. TYPE OR PRINT NAME OF APPLICANT: <u>Robert L. Granberg P.E.</u>	TITLE OF APPLICANT: <u>Acting Director of Municipal Utilities</u>
7. SIGNATURE OF APPLICANT: 	DATE: <u>2/18/2016</u> PHONE: (209) 937-8700 FAX: () EMAIL: <u>Debbie.livermore@stocktonca.gov</u>

For APQD Use Only: **RECEIVED**

DATE STAMP <u>FEB 22 2016</u> SJVAPGD NORTHERN REGION	FILING FEE RECEIVED: \$ <u>0</u> CHECK#: _____ DATE PAID: _____ PROJECT NO: <u>N1160550</u> FACILITY ID: <u>N-811</u>
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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: City of Stockton- MUD	FACILITY ID: N-811
1. Type of Organization: <input type="checkbox"/> Corporation <input type="checkbox"/> Sole Ownership <input type="checkbox"/> Government <input type="checkbox"/> Partnership <input checked="" type="checkbox"/> Utility	
2. Owner's Name: City of Stockton	
3. Agent to the Owner: C. Mel Lytle, Ph.D.	

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:

C. Mel Lytle
Signature of Responsible Official

2/4/16
Date

for C. Mel Lytle, Ph.D.
Name of Responsible Official (please print)

Director of Municipal Utilities
Title of Responsible Official (please print)