San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

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

Re: Proposed Authority to Construct/Certificate of Conformity (Minor Mod)
District Facility # N-811
Project # N-1131878

Dear Ms. Livermore:

Enclosed for your review is the District's analysis of an application for Authority to Construct for the facility identified above. You requested that a Certificate of Conformity with the procedural requirements of 40 CFR Part 70 be issued with this project. The modification is to designate permit unit N-811-22 as a Dormant Emission Unit.

After addressing all comments made during the 45-day EPA comment period, the District intends to issue the Authority to Construct with a Certificate of Conformity. Prior to operating with modifications authorized by the Authority to Construct, the facility must submit an application to modify the Title V permit as an administrative amendment, in accordance with District Rule 2520, Section 11.5.

If you have any questions, please contact Mr. Rupi Gill, Permit Services Manager, at (209) 557-6400.

Thank you for your cooperation in this matter.

Sincerely,

David Warner
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

www.valleyair.org www.healthyairliving.com

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ATC/COC PROJECT CHECKLIST

PROJECT #: N-1131878 FACILITY ID #: N-811

√ √
REQST. COMPL.

√ __ ATC/COC PRELIMINARY NOTICE (MINOR MOD)

√ __ Send email to "OA-PublicNotices" containing the following:
SUBJECT: City of Stockton RWCF, FID N-811, project N-1131878, preliminary Notice
BODY: Based on ATC with COC

ENCLOSED DOCUMENTS REQUIRED:

√ __ Stamp current date on all letters.

√ __ Mail/Email ***PRELIMINARY*** Notice Letter to Applicant (email address: debbie.livermore@stocktongov.com) with the following attachments:
√ Engineering evaluation and attachments.

√ __ Email ***PRELIMINARY*** notice package to EPA

√ __ Send ***PRELIMINARY*** Notice Package to EDMS

__ __ Other special instructions:_____

_____

Date completed: July 19, 2013 By Mark Schonhoff

San Joaquin Valley Air Pollution Control District
Dormant Emissions Unit

Facility Name:	City of Stockton RWCF	Date:	July 18, 2013
Mailing Address:	2500 Navy Drive Stockton, CA 95206	Engineer:	Mark Schonhoff
		Lead Engineer:	Nick Peirce
Contact Person:	Debbie Livermore		
Telephone:	(209) 937-8852		
Application #:	N-811-22-5		
Project #:	N-1131878		
Complete:	July 10, 2013		

I. Proposal

The City of Stockton RWCF is requesting an Authority to Construct (ATC) to designate the engine operating under Permit to Operate N-811-22-4 as a compliant dormant emissions unit (DEU). The unit is currently off site for repair, but when it returns, its fuel line will be disconnected to ensure it does not operate while dormant.

Pursuant to District GEAR Policy, this application is administrative and not subject to District Rule 2201, *New and Modified Stationary Source Review Rule*.

Since the facility has specifically requested that this project be processed in that manner, the 45-day EPA comment period will be satisfied prior to the issuance of the ATC(s), and the facility must apply to administratively amend their Title V Operating Permit to include the requirements of the ATC(s) issued with this project.

II. Applicable Rules

Rule 1070 Inspections (12/17/92)
Rule 2010 Permits Required (12/17/92)
Rule 2080 Conditional Approval (12/17/92)
Rule 2520 Federally Mandated Operating Permits (6/21/01)

III. Project Location

The project is located at 2500 Navy Drive in Stockton, CA.

IV. Process Description

The engine burns digester gas fuel to power an electrical generator and to provide heat to various operations at the facility.

V. Equipment Listing

Pre-Project Equipment Description

N-811-22-4:

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)

Proposed Modification

N-811-22-5:

MODIFICATION OF THE 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.

Post-Project Equipment Description

No changes from the current permit description.

VI. Emission Control Technology Evaluation

There are no proposed physical changes to the equipment or any change in permitted emissions. Therefore there is no need to evaluate the emission control technology.

VII. General Calculations

Since this project is not subject to Rule 2201, calculations are not required.

VIII. Compliance

- {1830} This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2520] Y
- {1831} Prior to operating with modifications authorized by this Authority to Construct, the permittee shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Y

While the equipment is dormant, the established source testing will not be required. Whenever the operator designates the equipment as active, the established source testing requirements will resume.

Nothing in this evaluation shall be construed to shield a unit that has operated out of compliance with any District, state or federal requirements. A unit designated as a DEU is subject to enforcement action for any and all violations.

The following conditions are listed on the permit to ensure compliance.

- {4561} While dormant, the fuel line shall be physically disconnected from the unit. [District Rule 2080]
- {4562} Permittee shall submit written notification to the District upon designating the unit as dormant or active. [District Rule 2080]
- {4560} While dormant, normal source testing shall not be required. [District Rule 2080]
- {4563} Upon recommencing operation of this unit, normal source testing shall resume. [District Rule 2080]
- {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]
- {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]

IX. California Environmental Quality Act (CEQA)

CEQA requires each public agency to adopt objectives, criteria, and specific procedures consistent with CEQA Statutes and the CEQA Guidelines for administering its responsibilities under CEQA, including the orderly evaluation of projects and preparation of environmental documents. The San Joaquin Valley Unified Air Pollution Control District (District) adopted its *Environmental Review Guidelines* (ERG) in 2001.

The basic purposes of CEQA are to:

- Inform governmental decision-makers and the public about the potential, significant environmental effects of proposed activities.
- Identify the ways that environmental damage can be avoided or significantly reduced.
- Prevent significant, avoidable damage to the environment by requiring changes in projects through the use of alternatives or mitigation measures when the governmental agency finds the changes to be feasible.
- Disclose to the public the reasons why a governmental agency approved the project in the manner the agency chose if significant environmental effects are involved.

Consistent with CEQA and CEQA Guidelines requirements, the District has adopted procedures and guidelines for implementing CEQA. The District's ERG establishes procedures for avoiding unnecessary delay during the District's permitting process while ensuring that significant environmental impacts are thoroughly and consistently addressed.

The ERG includes policies and procedures to be followed when processing permits for projects that are exempt under CEQA.

The State Legislature granted a number of exemptions from CEQA, including projects that require only ministerial approval. Based upon analysis of its own laws and consideration of CEQA provisions, the District has identified a limited number of District permitting activities considered to be ministerial approvals. As set forth in §4.2.1 of the ERG, projects permitted consistent with the District's *Guidelines for Expedited Application Review* (GEARs) are standard application reviews in which little or no discretion is used in issuing ATC documents.

For the proposed project, the District performed an Engineering Evaluation (this document) and determined that the project qualifies for processing under the procedures set forth in the District's GEARs. Thus, as discussed above, this issuance of such ATC(s) is a ministerial approval for the District and is not subject to CEQA provisions.

X. Recommendation

Issue ATC N-811-22-5 subject to the permit conditions listed on the attached draft ATC in Appendix C.

XI. Billing Information

Billing Schedule			
Permit Number	Fee Schedule	Fee Description	Fee Amount
N-811-22-5	3020-10-F	1,408 bhp	$749

Appendixes
A: Current PTO
B. Compliance Certification Form
C: Draft ATC

Appendix A
Current PTO

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-811-22-4 **EXPIRATION DATE:** 11/30/2013

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. 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
2. The NOx emissions shall not exceed 0.87 grams/bhp-hr (65 ppmv @ 15% O2). [District NSR Rule and 4702] Federally Enforceable Through Title V Permit
3. The CO emissions shall not exceed 2.65 grams/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The VOC emissions shall not exceed 0.75 grams/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The SOx emissions shall not exceed 0.14 grams/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The PM10 emissions shall not exceed 0.1 grams/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
7. The hydrogen sulfide concentration of the influent digester gas shall not exceed 170 ppmv prior to combustion. [District NSR Rule] Federally Enforceable Through Title V Permit
8. 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
9. 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
10. 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
11. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (as amended 12/16/93). [District Rule 1081] Federally Enforceable Through Title V Permit
12. Source testing for NOx shall be conducted utilizing CARB method 100 or EPA method 7E. [District Rule 4701] Federally Enforceable Through Title V Permit
13. Source testing for CO shall be conducted utilizing CARB method 100 or EPA method 10. [District Rule 4701] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

14. Source testing for VOC emission concentration shall be conducted utilizing EPA method 25 or EPA method 18, referenced as methane. [District Rule 4701] Federally Enforceable Through Title V Permit

15. 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

16. 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

17. 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

18. 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

19. 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

20. 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

21. 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

22. The permittee shall maintain records of: (1) the date and time of O2 and NOx measurements; (2) the O2 and NOx 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

23. Records of the quantity and type of fuel burned, in BTUs, the influent hydrogen sulfide concentration, and of the annual SOx emissions shall be kept. [District NSR Rule] Federally Enforceable Through Title V Permit

24. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rule 1070 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

Appendix B
Compliance Certification Form

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
[X] MINOR PERMIT MODIFICATION
[ ] ADMINISTRATIVE AMENDMENT

COMPANY NAME: City of Stockton, Municipal Utilities/Regional Wastewater Control	FACILITY ID: N-811
1. Type of Organization:[ ] Corporation [ ] Sole Ownership [ ] Government [ ] Partnership [X] 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:

Signature of Responsible Official

5/30/2013
Date

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

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

Appendix C
Draft ATC

San Joaquin Valley
Air Pollution Control District

AUTHORITY TO CONSTRUCT

PERMIT NO: N-811-22-5

ISSUANCE DATE: DRAFT

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

LOCATION: 2500 NAVY DR
STOCKTON, CA 95206

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). MODIFICATION TO DESIGNATE THE UNIT A DORMANT EMISSION UNIT.

CONDITIONS

1. {1830} This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
2. {1831} Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
3. While dormant, the fuel line shall be physically disconnected from the unit. [District Rule 2080]
4. {4562} Permittee shall submit written notification to the District upon designating the unit as dormant or active. [District Rule 2080]
5. {4560} While dormant, normal source testing shall not be required. [District Rule 2080]
6. {4563} Upon recommencing operation of this unit, normal source testing shall resume. [District Rule 2080]
7. {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]

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

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DAVID WARNER, Director of Permit Services

N-811-22-5 : Jul 18 2013 1:51PM – SCHONHOM : Joint Inspection NOT Required

8. {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]

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 NOx emissions shall not exceed 0.87 grams/bhp-hr (65 ppmv @ 15% O2). [District NSR Rule and 4702] Federally Enforceable Through Title V Permit

11. The CO emissions shall not exceed 2.65 grams/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit

12. The VOC emissions shall not exceed 0.75 grams/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit

13. The SOx emissions shall not exceed 0.14 grams/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit

14. The PM10 emissions shall not exceed 0.1 grams/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit

15. The hydrogen sulfide concentration of the influent digester gas shall not exceed 170 ppmv prior to combustion. [District NSR Rule] Federally Enforceable Through Title V Permit

16. 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

17. 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

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. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (as amended 12/16/93). [District Rule 1081] Federally Enforceable Through Title V Permit

20. Source testing for NOx shall be conducted utilizing CARB method 100 or EPA method 7E. [District Rule 4701] Federally Enforceable Through Title V Permit

21. Source testing for CO shall be conducted utilizing CARB method 100 or EPA method 10. [District Rule 4701] Federally Enforceable Through Title V Permit

22. Source testing for VOC emission concentration shall be conducted utilizing EPA method 25 or EPA method 18, referenced as methane. [District Rule 4701] Federally Enforceable Through Title V Permit

23. 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

24. 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

25. 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

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CONDITIONS CONTINUE ON NEXT PAGE

26. 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

27. 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

28. 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

29. 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

30. The permittee shall maintain records of: (1) the date and time of O2 and NOx measurements, (2) the O2 and NOx 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

31. Records of the quantity and type of fuel burned, in BTUs, the influent hydrogen sulfide concentration, and of the annual SOx emissions shall be kept. [District NSR Rule] Federally Enforceable Through Title V Permit

32. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rule 1070 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

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