



DEC 24 2012

Bernie Reed
Algonquin Power Sanger, LLC.
1125 Muscat Ave.
Sanger, CA 93657

**Re: Notice of Minor Title V Permit Modification
District Facility # C-4071
Project # C-1123027**

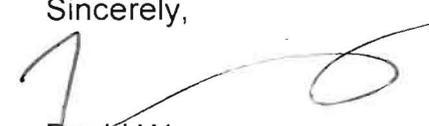
Dear Mr. Reed:

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 modify Permit(s) to Operate C-4071-9-1 of the current Title V operating permit. Permit unit is being to reactivate the 16.8 MMBtu/hr natural gas-fired boiler permitted under C-4071-9-1 from compliant dormant status.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V PTO(s) C-4071-9-4, application, and previous Title V permit. This project will be finalized after the 45-day EPA comment period.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Jim Swaney at (559) 230-5900.

Sincerely,



David Warner
Director of Permit Services



Enclosures
cc: Kamaljit Sran, Permit Services

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



DEC 24 2012

Gerardo C. Rios, Chief
Permits Office
Air Division
U.S. EPA - Region IX
75 Hawthorne St
San Francisco, CA 94105

Re: **Notice of Minor Title V Permit Modification**
District Facility # C-4071
Project # C-1123027

Dear Mr. Rios:

Enclosed for you to review is an application for minor Title V permit modification for the facility identified above. Algonquin Power Sanger, LLC. is proposing a Title V minor permit modification to modify Permit(s) to Operate (PTOs) C-4071-9-1 of the facility's current Title V operating permit. Permit unit is being to reactivate the 16.8 MMBtu/hr natural gas-fired boiler permitted under C-4071-9-1 from compliant dormant status.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V PTO(s) C-4071-9-4, application, and previous Title V permit. Please submit your written comments on this project within the 45-day comment period that begins on the date you receive this letter.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Jim Swaney at (559) 230-5900.

Sincerely,

David Warner
Director of Permit Services

Enclosures
cc: Kamaljit Sran, Permit Services

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TITLE V APPLICATION REVIEW

Minor Modification
Project #: C-1123027

Engineer: Kamaljit Sran
Date: December 21, 2012

Facility Number: C-4071
Facility Name: Algonquin Power Sanger, LLC.
Mailing Address: 1125 Muscat Ave
Sanger, CA 93657

Contact Name: Bernard Reed
Phone: (559) 875-0800

Responsible Official: Bernard Reed
Title: Business Manager

I. PROPOSAL

Algonquin Power Sanger, LLC. is proposing a Title V minor permit modification to reactivate the 16.8 MMBtu/hr natural gas-fired boiler permitted under C-4071-9-3. This permit unit has been in compliant dormant status.

Facility's primary business is production of electrical power. However, it also operates a hydromulch plant that uses the exhaust gas (heat) from the natural gas fired turbine listed under C-4071-8-3. The exhaust gas from this turbine is used to heat a waste heat recovery boiler. The steam generated by the waste heat recovery boiler is used to saturate wood chips prior to them being ground into mulch. Additionally, stack heat from the turbine is used to dry the ground wood chips before it is packaged and sent to customers.

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 1125 Muscat Avenue in Sanger.

III. EQUIPMENT DESCRIPTION

C-4071-9-4: 16.8 MMBTU HURST MODEL S5-X-400-150 NATURAL GAS-FIRED BOILER EQUIPPED WITH POWER FLAME MODEL NVC9-G-30 ULTRA LOW NOX BURNER AND FLUE GAS RECIRCULATION (FGR)

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

Facility operates a natural gas-fired boiler to supply steam and heat for the onsite hydromulch production process.

The following conditions from existing permit to operate C-4071-9-1 have been removed to allow normal operation of this boiler.

- ~~1. Operation of the unit is not authorized until modifications are made to comply with District Rules as authorized by an Authority to Construct. [District Rule 2010] Federally Enforceable Through Title V Permit~~
- ~~2. The fuel line shall be physically disconnected from the unit. [District Rule 2080] Federally Enforceable Through Title V Permit~~
- ~~3. {4560} While dormant, normal source testing shall not be required. [District Rule 2080]~~

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. C-4071-9-4
- B. Emissions Increases
- C. Application
- D. Existing Title V Operating Permit No.'s C-4071-9-1

ATTACHMENT A

Proposed Modified Title V Operating Permit No.
C-4071-9-4

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-4071-9-4

EXPIRATION DATE: 05/31/2017

EQUIPMENT DESCRIPTION:

16.8 MMBTU HURST MODEL S5-X-400-150 NATURAL GAS-FIRED BOILER WITH POWER FLAME MODEL NVC9-G-30 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 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. The unit shall only be fired on PUC-regulated natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
4. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
5. Maximum annual heat input of the unit shall not exceed 30 billion Btu per calendar year. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
6. Emissions from the natural gas-fired unit shall not exceed any of the following limits: 9 ppmvd NO_x @ 3% O₂ or 0.011 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 100 ppmvd CO @ 3% O₂ or 0.074 lb-CO/MMBtu, or 0.004 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
7. The permittee shall submit an analysis showing the fuel's sulfur content at least once every year. Valid purchase contracts, supplier certifications, tariff sheets, or transportation contacts may be used to satisfy this requirement, provided they establish the fuel parameters mentioned above. [District Rule 4320] Federally Enforceable Through Title V Permit
8. 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.

9. 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 performing the notification and testing required by this condition. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
10. 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
11. 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
12. 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 4306. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
13. Source testing to measure NO_x and CO emissions from this unit while fired on natural gas 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
14. 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
15. 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
16. 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
17. 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
18. 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
19. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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. Records of monthly and annual heat input of the unit shall be maintained. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
22. 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
23. Combined natural gas consumption for this boiler, permitted as C-4071-9, and the 49 MW turbine, permitted as C-4071-8, calculated on a twelve consecutive month rolling basis, shall not exceed 1,386 MMScf/year. [District Rule 2201] Federally Enforceable Through Title V Permit
24. Annual emissions from this boiler, permitted as C-4071-9, and the 49 MW turbine, permitted as C-4071-8, calculated on a twelve consecutive month rolling basis, shall not exceed any of the following: NO_x (as NO₂) - 31,086 lb/year; SO_x (as SO₂) - 3,960 lb/year; PM₁₀ - 14,289 lb/year; CO - 122,760 lb/year; or VOC - 21,576 lb/year. Records of annual natural gas consumption for these units shall be maintained to enforce these emissions limits. [District Rule 2201] Federally Enforceable Through Title V Permit

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

DRAFT

ATTACHMENT B

Emissions Increases

There is no emission increase associated with the proposed modification.

ATTACHMENT C

Application



Algonquin

POWER INVESTED

Algonquin Power Co.
1125 Muscat Ave
Sanger, California
USA 93657
Tel: 559.875.0800
Fax: 559.875.0667

September 24, 2012
San Joaquin Valley Air Pollution Control District
Attn: Jim Swaney
1990 E. Gettysburg
Fresno, Ca. 93726
C-4071-9-3

Mr. Swaney,

Algonquin Power Sanger LLC would like to reactivate permit C-4071-9-3. This permit has been in a dormant status since March 2012. The conditions that existed in March are no longer relevant and we expect to return this boiler to its previous schedule. I will schedule a Source Test for this boiler as quickly as possible and submit the testing date for approval through normal channels.

I appreciate your assistance in this matter; please contact me if I have left anything out.

Sincerely,

Bernie Reed
Plant Manager

San Joaquin Valley Air Pollution Control District

www.valleyair.org

RECEIVED

SEP 24 2012

Permit Application For:

[] ADMINISTRATIVE AMENDMENT MINOR MODIFICATION [] SIGNIFICANT MODIFICATION

Permits Svc
SJVAPCD

| | |
|--|--|
| 1. PERMIT TO BE ISSUED TO: ALGONQUIN POWER SANGER LLC | |
| 2. MAILING ADDRESS: STREET/P.O. BOX: 1125 MUSCAT AVE CITY: SANGER STATE: CA. 9-DIGIT ZIP CODE: 93657 | |
| 3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED: STREET: 1125 MUSCAT AVE CITY: SANGER ¼ SECTION _____ TOWNSHIP _____ RANGE _____ | INSTALLATION DATE: |
| 4. GENERAL NATURE OF BUSINESS: GENERATING ELECTRICITY | |
| 5. DESCRIPTION OF EQUIPMENT OR MODIFICATION FOR WHICH APPLICATION IS MADE (include Permit #'s if known, and use additional sheets if necessary) C-4071-9-3 Aux BOILER 16mm BTU <div style="float: right; text-align: right;">Per Martin, create file w/ø project#.</div> | |
| 6. TYPE OR PRINT NAME OF APPLICANT: BERNARD REED | TITLE OF APPLICANT: BUSINESS MANAGER |
| 7. SIGNATURE OF APPLICANT: | PHONE: (559) 875-0800 FAX: (559) 875-0667 EMAIL: BERNIE.REED@ALGONQUINPOWER.COM |

For APCD Use Only:

| | |
|------------|--|
| DATE STAMP | FILING FEE RECEIVED: \$ _____ CHECK#: _____ DATE PAID: _____ PROJECT NO: C-1123027 FACILITY ID: C-4071 |
|------------|--|

**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
 MINOR PERMIT MODIFICATION

ADMINISTRATIVE
AMENDMENT

| | |
|--|-----------------------|
| COMPANY NAME: Algonquin Power Sanger LLC | FACILITY ID: C - 4071 |
| 1. Type of Organization: <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Sole Ownership <input type="checkbox"/> Government <input type="checkbox"/> Partnership <input type="checkbox"/> Utility | |
| 2. Owner's Name: Algonquin Power Co | |
| 3. Agent to the Owner: Bernard Reed | |

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:

Bernard Reed

Signature of Responsible Official

September 24, 2012

Date

Bernard Reed

Name of Responsible Official (please print)

Business Manager

Title of Responsible Official (please print)

ATTACHMENT D

Existing Title V Operating Permit No.
C-4071-9-1

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-4071-9-1

EXPIRATION DATE: 05/31/2017

EQUIPMENT DESCRIPTION:

NON-COMPLIANT DORMANT EMISSION UNIT - 16.8 MMBTU HURST MODEL S5-X-400-150 NATURAL GAS-FIRED BOILER WITH POWER FLAME MODEL NVC9-G-30 ULTRA LOW NOX BURNER

PERMIT UNIT REQUIREMENTS

1. Operation of the unit is not authorized until modifications are made to comply with District Rules as authorized by an Authority to Construct. [District Rule 2010] Federally Enforceable Through Title V Permit
2. The fuel line shall be physically disconnected from the unit. [District Rule 2080] Federally Enforceable Through Title V Permit
3. While dormant, normal source testing shall not be required. [District Rule 2080]
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 2201]
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
6. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
7. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
8. The unit shall only be fired on PUC-regulated natural gas. [District Rule 2201]
9. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained. [District Rules 2201, 4305, 4306 and 4320]
10. Maximum annual heat input of the unit shall not exceed 30 billion Btu per calendar year. [District Rules 2201, 4305, 4306 and 4320]
11. Emissions from the natural gas-fired unit shall not exceed any of the following limits: 9 ppmvd NO_x @ 3% O₂ or 0.011 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 100 ppmvd CO @ 3% O₂ or 0.074 lb-CO/MMBtu, or 0.004 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306 and 4320]
12. On and after July 1, 2012, the permittee shall submit an analysis showing the fuel's sulfur content at least once every year. Valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts may be used to satisfy this requirement, provided they establish the fuel parameters mentioned above. [District Rule 4320]
13. 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]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. 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 performing the notification and testing required by this condition. [District Rules 4305, 4306 and 4320]
15. 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]
16. 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]
17. 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 4306. [District Rules 4305, 4306 and 4320]
18. Source testing to measure NO_x and CO emissions from this unit while fired on natural gas 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]
19. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306 and 4320]
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]
21. 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]
22. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306 and 4320]
23. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306 and 4320]
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]
25. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
26. Records of monthly and annual heat input of the unit shall be maintained. [District Rules 2201, 4305, 4306 and 4320]
27. 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]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

28. Combined natural gas consumption for this boiler, permitted as C-4071-9, and the 49 MW turbine, permitted as C-4071-8, calculated on a twelve consecutive month rolling basis, shall not exceed 1,386 MMScf/year. [District Rule 2201]
29. Annual emissions from this boiler, permitted as C-4071-9, and the 49 MW turbine, permitted as C-4071-8, calculated on a twelve consecutive month rolling basis, shall not exceed any of the following: NO_x (as NO₂) - 31,086 lb/year; SO_x (as SO₂) - 3,960 lb/year; PM₁₀ - 14,289 lb/year; CO - 122,760 lb/year; or VOC - 21,576 lb/year. Records of annual natural gas consumption for these units shall be maintained to enforce these emissions limits. [District Rule 2201]

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