



FEB 11 2015

Mr. Bernard 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-1150062**

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 incorporate recently issued ATC #C-4071-8-4 into the Title V operating permit. This ATC authorized the installation of an inlet air cooling system (fogger) for the existing gas turbine.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, recently issued ATC #C-4071-8-4, emission increases, application, and previous Title V permit. This project will be subject to a 45-day EPA commenting period prior to the District taking final action.

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

Thank you for your cooperation in this matter.

Sincerely,

Arnaud Marjollet
Director of Permit Services

Enclosures

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

Seyed Sadredin
Executive Director/Air Pollution Control Officer

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

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

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

TITLE V APPLICATION REVIEW

Minor Modification
Project #: C-1150062

Engineer: Jonah Aiyabei
Date: February 5, 2015

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 incorporate the recently issued ATC #C-4071-8-4 into the Title V operating permit. This ATC authorized the installation of an inlet air cooling system (fogger) for the existing gas turbine.

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

II. FACILITY LOCATION

The facility is located at 1125 Muscat Ave., Sanger.

III. EQUIPMENT DESCRIPTION

C-4071-8-5: 49 MW NOMINALLY RATED GE MODEL LM-6000 GAS TURBINE/GENERATOR WITH COMBUSTION CONTROLS SERVED BY A SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM WITH AMMONIA INJECTION AND INLET AIR FOGGER

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

Algonquin Power Sanger LLC proposes to add an evaporative cooling system (fogger) to the inlet air intake system of its existing LM6000 gas turbine. The proposed inlet air cooling system is intended to improve the turbine's performance. No other changes in the existing equipment, fuel usage rates, or method of operation will result from the installation of the inlet air cooling system.

The proposed project did not result in any change in permit conditions:

C-4071-8-5:

Permit conditions 1 through 37 on the current Permit to Operate were replaced by permit conditions 1 through 37 on the proposed Permit to Operate.

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-4071-8-5
- B. Authority to Construct No. C-4071-8-4
- C. Emissions Increases
- D. Application
- E. Previous Title V Operating Permit No. C-4071-8-3

ATTACHMENT A

Proposed Modified Title V Operating Permit No.
C-4071-8-5

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-4071-8-5

EXPIRATION DATE: 05/31/2017

EQUIPMENT DESCRIPTION:

49 MW NOMINALLY RATED GE MODEL LM-6000 GAS TURBINE/GENERATOR WITH COMBUSTION CONTROLS SERVED BY A SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM WITH AMMONIA INJECTION

PERMIT UNIT REQUIREMENTS

1. A selective catalytic reduction (SCR) system shall serve the gas turbine engine. Exhaust ducting may be equipped (if required) with a fresh air inlet blower to be used to lower the exhaust temperature prior to inlet of the SCR system catalyst. [District Rule 2201] Federally Enforceable Through Title V Permit
2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Turbine and associated electrical generator lube oil vents shall be equipped with mist eliminators. Visible emissions from lube oil vents shall not exhibit opacity of 5% or greater, except for a period or periods not exceeding three minutes in any one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
5. The gas turbine shall be fired exclusively on natural gas with a sulfur content of no greater than 1.0 grain of sulfur compounds (as S) per 100 dry scf of natural gas. [40 CFR 60.333(b) and District Rule 2201] Federally Enforceable Through Title V Permit
6. The rate of fuel consumption shall not exceed 11,000,000 scf per day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Combined natural gas consumption for this gas turbine, the 16.8 MMBtu/hr boiler listed under C-4071-9, and the dryer listed under C-4071-10, calculated on a twelve consecutive month rolling basis, shall not exceed 1,386 MMScf/year. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Annual emissions from this gas turbine, the 16.8 MMBtu/hr boiler listed under C-4071-9, and the dryer listed under C-4071-10, 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
9. During startup periods, gas turbine exhaust emissions shall not exceed any of the following limits: NO_x (as NO₂) - 21.9 lb/hr, CO - 66.0 lb/hr, or VOC - 11.6 lb/hr, based on a one hour average. [District Rules 2201, 4102 and 4703] Federally Enforceable Through Title V Permit
10. During shutdown periods, gas turbine stack exhaust emissions shall not exceed any of the following limits: NO_x (as NO₂) - 21.9 lb/hr, CO - 66.0 lb/hr, or VOC - 11.6 lb/hr, based on a one hour average. [District Rules 2201, 4102 and 4703] Federally Enforceable Through Title V Permit
11. Startup or shutdown periods shall be defined as periods of time during which the stack exhaust gas, gas turbine exhaust, and SCR temperature are not within the normal operating temperature range. Startup/shutdown emissions shall be counted toward all applicable emission limits (lb/day and lb/year). [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. The duration of each startup or shutdown period shall not exceed two hours. [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
13. The emission control systems shall be in operation and emissions shall be minimized insofar as technologically feasible during startup and shutdown. [District Rule 4703] Federally Enforceable Through Title V Permit
14. Emission rates from this unit, except during startup and shutdown periods, shall not exceed any of the following limits: NO_x (as NO₂) - 7.6 lb/hr or 5.0 ppmvd @ 15% O₂; SO_x (as SO₂) - 0.25 lb/hr; PM₁₀ - 4.33 lb/hr; CO - 33.0 lb/hr or 35.2 ppmvd @ 15% O₂; or VOC (as methane) - 5.7 lb/hr or 10.9 ppmvd @ 15% O₂. All emission concentration limits are based on three hour rolling averages. [40 CFR 60.332(a)(1), (a)(2) and District Rules 2201& 4703] Federally Enforceable Through Title V Permit
15. Ammonia (NH₃) emissions shall not exceed 15 ppmvd @ 15% O₂ based on 24 hr rolling average. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
16. Each one hour period in a three hour rolling average will commence on the hour. The three hour average will be compiled from the three most recent one hour periods. Each one hour period in a twenty-four hour average will commence on the hour. The twenty-four hour average will be calculated starting and ending at twelve-midnight. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Emissions from this unit, on days when a startup and/or shutdown occurs, shall not exceed the following: NO_x (as NO₂) - 134.0 lb/day; SO_x (as SO₂) - 14.4 lb/day; PM₁₀ - 52.0 lb/day; CO - 496.0 lb/day; or VOC - 87.0 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Daily emissions will be compiled for a twenty-four hour period starting and ending at twelve-midnight. Each month in the twelve consecutive month rolling average emissions shall commence at the beginning of the first day of the month. The twelve consecutive month rolling average emissions to determine compliance with annual emissions limitations shall be compiled from the twelve most recent calendar months. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Compliance with the ammonia emission limits shall be demonstrated utilizing one of the following procedures: 1) calculate the daily ammonia emissions using the following equation: $(\text{ppmvd @ 15\% O}_2) = ((a - (b \times c / 1,000,000)) \times (1,000,000 / b)) \times d$, where a = ammonia injection rate (lb/hr) / (17 lb/lb mol), b = dry exhaust flow rate (lb/hr) / (29 lb/lb mol), c = change in measured NO_x concentration ppmvd @ 15% O₂ across the catalyst, and d = correction factor. The correction factor shall be derived annually during compliance testing by comparing the measured and calculated ammonia slip; 2.) Utilize another District-approved calculation method using measured surrogate parameters to determine the daily ammonia emissions in ppmvd @ 15% O₂. If this option is chosen, the permittee shall submit a detailed calculation protocol for District approval at least 60 days prior to commencement of operation; 3.) Alternatively, the permittee may utilize a continuous in-stack ammonia monitor to verify compliance with the ammonia emissions limit. If this option is chosen, the permittee shall submit a monitoring plan for District approval at least 60 days prior to commencement of operation. [District Rule 4102]
20. Source testing to measure startup NO_x, CO, and VOC mass emission rates shall be conducted at least once every seven years. CEM relative accuracy audit (RAA) shall be determined during startup source testing in accordance with 40 CFR 60, Appendix F. [District Rule 1081] Federally Enforceable Through Title V Permit
21. Source testing to measure the NO_x, CO, VOC, and NH₃ emission rates (lb/hr and ppmvd @ 15% O₂) and PM₁₀ emission rate (lb/hr) shall be conducted at least once every four calendar quarters. [District Rules 1081 and 4703] Federally Enforceable Through Title V Permit
22. Compliance demonstration (source testing) shall be District witnessed or authorized and samples shall be collected by a certified testing laboratory. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified no less than 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. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

23. The following test methods shall be used: NO_x - EPA Method 7E or 20, PM₁₀ - EPA Method 5 (front half and back half), CO - EPA Method 10 or 10B, O₂ - EPA Method 3, 3A, or 20, VOC - EPA Method 18 or 25, ammonia - BAAQMD ST-1B, and fuel gas sulfur content - ASTM D6228 or D5504. NO_x test results shall be corrected to ISO standard conditions as defined in 40 CFR Part 60 Subpart GG Section 60.335. EPA approved alternative test methods as approved by the District may also be used to address the source testing requirements of this permit. The request to utilize EPA approved alternative source testing methods must be submitted in writing and written approval received from the District prior to the submission of the source test plan. [District Rules 1081, 4001, and 4703] Federally Enforceable Through Title V Permit
24. The exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples consistent with EPA test methods and shall be equipped with safe permanent provisions to sample stack gases with a portable NO_x, CO, and O₂ analyzer during District inspections. The sampling ports shall be located in accordance with the CARB regulation titled California Air Resources Board Air Monitoring Quality Assurance Volume VI, Standard Operating Procedures for Stationary Source Emission Monitoring and Testing. [District Rule 1081] Federally Enforceable Through Title V Permit
25. The turbine shall be equipped with a continuous monitoring system to measure and record hours of operation, mass ratio of water-to-fuel injected and fuel consumption. [District Rules 2201, 4001, and 4703] Federally Enforceable Through Title V Permit
26. The exhaust stack shall be equipped with a continuous emissions monitor (CEM) for NO_x, CO, and O₂. The CEMs shall meet the requirements of 40 CFR part 60, Appendices A, B, and F and shall be capable of monitoring emissions during startups and shutdowns as well as during normal operating conditions. [District Rules 1080, 2201, 4001, and 4703] Federally Enforceable Through Title V Permit
27. The facility shall install and maintain equipment, facilities, and systems compatible with the District's CEM data polling software system and shall make CEM data available to the District's automated polling system on a daily basis. [District Rule 1080] Federally Enforceable Through Title V Permit
28. Upon notice by the District that the facility's CEM system is not providing polling data, the facility may continue to operate without providing automated data for a maximum of 30 days per calendar year provided the CEM data is sent to the District by a District-approved alternative method. [District Rule 1080] Federally Enforceable Through Title V Permit
29. Results of continuous emissions monitoring shall be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [District Rule 1080] Federally Enforceable Through Title V Permit
30. Audits (RAA or CGA) of continuous emission monitors shall be conducted on a calendar quarterly basis, except during calendar quarters in which relative accuracy and total accuracy testing is performed. The District shall be notified prior to completion of the audits. Audit reports shall be submitted along with quarterly compliance reports to the District. [District Rule 1080] Federally Enforceable Through Title V Permit
31. The owner/operator shall perform a relative accuracy test audit (RATA) for the NO_x, CO and O₂ CEMS as specified by 40 CFR Part 60, Appendix F, 5.1.1, at least once every four calendar quarters. The permittee shall comply with the applicable requirements for quality assurance testing and maintenance of the continuous emission monitor equipment in accordance with the procedures and guidance specified in 40 CFR Part 60, Appendix F. [District Rule 1080] Federally Enforceable Through Title V Permit
32. The permittee shall submit a written report to the APCO for each calendar quarter, within 30 days of the end of the quarter, including: time intervals, data and magnitude of excess emissions, nature and cause of excess emissions (if known), corrective actions taken and preventive measures adopted; averaging period used for data reporting shall correspond to the averaging period for each respective emission standard; applicable time and date of each period during which the CEM was inoperative (except for zero and span checks excluding normal calibration periods or when the monitored source is not in operation) and the nature of system repairs and adjustments; and a negative declaration when no excess emissions occurred. [District Rule 1080] Federally Enforceable Through Title V Permit
33. Permittee shall provide notification and recordkeeping as required under 40 CFR, Part 60, Subpart A, 60.7. [District Rule 4001] 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.

34. The permittee shall maintain the following records: date and time, duration, and type of any startup, shutdown, or malfunction; performance testing, evaluations, calibrations, checks, adjustments, any period during which a continuous monitoring system or monitoring device was inoperative, and maintenance of any continuous emission monitor. [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
35. The permittee shall maintain the following records: hours of operation, fuel consumption (scf/hr and scf/rolling twelve month period), continuous emission monitor measurements, calculated ammonia slip, and calculated NOx mass emission rates (lb/hr and lb/twelve month rolling period). [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
36. The sulfur content of each fuel source shall be: (i) documented in a valid purchase contract, a supplier certification, tariff or transportation contract or (ii) the representative fuel sampling data shows that sulfur content of gas does not exceed 1.0 gr/100 scf. [District Rules 4001 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
37. All records required to be maintained by this permit shall be maintained for a period of at least five years and shall be made readily available for District inspection upon request. [District Rules 2201 and 4703] 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 No.
C-4071-8-4



AUTHORITY TO CONSTRUCT

PERMIT NO: C-4071-8-4

ISSUANCE DATE: 01/16/2015

LEGAL OWNER OR OPERATOR: ALGONQUIN POWER SANGER LLC

MAILING ADDRESS: PO BOX 397
SANGER, CA 93657-0397

LOCATION: 1125 MUSCAT AVE
SANGER, CA 93657

EQUIPMENT DESCRIPTION:

MODIFICATION OF 49 MW NOMINALLY RATED GE MODEL LM-6000 GAS TURBINE/GENERATOR WITH COMBUSTION CONTROLS SERVED BY A SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM WITH AMMONIA INJECTION; INSTALL INLET AIR FOGGER

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. A selective catalytic reduction (SCR) system shall serve the gas turbine engine. Exhaust ducting may be equipped (if required) with a fresh air inlet blower to be used to lower the exhaust temperature prior to inlet of the SCR system catalyst. [District Rule 2201] Federally Enforceable Through Title V Permit
3. 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
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. Turbine and associated electrical generator lube oil vents shall be equipped with mist eliminators. Visible emissions from lube oil vents shall not exhibit opacity of 5% or greater, except for a period or periods not exceeding three minutes in any one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
6. The gas turbine shall be fired exclusively on natural gas with a sulfur content of no greater than 1.0 grain of sulfur compounds (as S) per 100 dry scf of natural gas. [40 CFR 60.333(b) and District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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

Seyed Sacredin, Executive Director / APCD

Arnaud Marjollet, Director of Permit Services

C-4071-8-4 : Jan 18 2015 11:44AM - AIYABEU Joint Inspection NOT Required

7. The rate of fuel consumption shall not exceed 11,000,000 scf per day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Combined natural gas consumption for this gas turbine, the 16.8 MMBtu/hr boiler listed under C-4071-9, and the dryer listed under C-4071-10, calculated on a twelve consecutive month rolling basis, shall not exceed 1,386 MMScf/year. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Annual emissions from this gas turbine, the 16.8 MMBtu/hr boiler listed under C-4071-9, and the dryer listed under C-4071-10, calculated on a twelve consecutive month rolling basis, shall not exceed any of the following: NOx (as NO₂) - 31,086 lb/year; SOx (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
10. During startup periods, gas turbine exhaust emissions shall not exceed any of the following limits: NOx (as NO₂) - 21.9 lb/hr, CO - 66.0 lb/hr, or VOC - 11.6 lb/hr, based on a one hour average. [District Rules 2201, 4102 and 4703] Federally Enforceable Through Title V Permit
11. During shutdown periods, gas turbine stack exhaust emissions shall not exceed any of the following limits: NOx (as NO₂) - 21.9 lb/hr, CO - 66.0 lb/hr, or VOC - 11.6 lb/hr, based on a one hour average. [District Rules 2201, 4102 and 4703] Federally Enforceable Through Title V Permit
12. Startup or shutdown periods shall be defined as periods of time during which the stack exhaust gas, gas turbine exhaust, and SCR temperature are not within the normal operating temperature range. Startup/shutdown emissions shall be counted toward all applicable emission limits (lb/day and lb/year). [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
13. The duration of each startup or shutdown period shall not exceed two hours. [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
14. The emission control systems shall be in operation and emissions shall be minimized insofar as technologically feasible during startup and shutdown. [District Rule 4703] Federally Enforceable Through Title V Permit
15. Emission rates from this unit, except during startup and shutdown periods, shall not exceed any of the following limits: NOx (as NO₂) - 7.6 lb/hr or 5.0 ppmvd @ 15% O₂; SOx (as SO₂) - 0.25 lb/hr; PM₁₀ - 4.33 lb/hr; CO - 33.0 lb/hr or 35.2 ppmvd @ 15% O₂; or VOC (as methane) - 5.7 lb/hr or 10.9 ppmvd @ 15% O₂. All emission concentration limits are based on three hour rolling averages. [40 CFR 60.332(a)(1), (a)(2) and District Rules 2201 & 4703] Federally Enforceable Through Title V Permit
16. Ammonia (NH₃) emissions shall not exceed 15 ppmvd @ 15% O₂ based on 24 hr rolling average. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
17. Each one hour period in a three hour rolling average will commence on the hour. The three hour average will be compiled from the three most recent one hour periods. Each one hour period in a twenty-four hour average will commence on the hour. The twenty-four hour average will be calculated starting and ending at twelve-midnight. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Emissions from this unit, on days when a startup and/or shutdown occurs, shall not exceed the following: NOx (as NO₂) - 134.0 lb/day; SOx (as SO₂) - 14.4 lb/day; PM₁₀ - 52.0 lb/day; CO - 496.0 lb/day; or VOC - 87.0 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Daily emissions will be compiled for a twenty-four hour period starting and ending at twelve-midnight. Each month in the twelve consecutive month rolling average emissions shall commence at the beginning of the first day of the month. The twelve consecutive month rolling average emissions to determine compliance with annual emissions limitations shall be compiled from the twelve most recent calendar months. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. Compliance with the ammonia emission limits shall be demonstrated utilizing one of the following procedures: 1) calculate the daily ammonia emissions using the following equation: $(\text{ppmvd @ 15\% O}_2) = ((a - (b \times c / 1,000,000)) \times (1,000,000 / b)) \times d$, where a = ammonia injection rate (lb/hr) / (17 lb/lb mol), b = dry exhaust flow rate (lb/hr) / (29 lb/lb mol), c = change in measured NOx concentration ppmvd @ 15% O2 across the catalyst, and d = correction factor. The correction factor shall be derived annually during compliance testing by comparing the measured and calculated ammonia slip; 2.) Utilize another District-approved calculation method using measured surrogate parameters to determine the daily ammonia emissions in ppmvd @ 15% O2. If this option is chosen, the permittee shall submit a detailed calculation protocol for District approval at least 60 days prior to commencement of operation; 3.) Alternatively, the permittee may utilize a continuous in-stack ammonia monitor to verify compliance with the ammonia emissions limit. If this option is chosen, the permittee shall submit a monitoring plan for District approval at least 60 days prior to commencement of operation. [District Rule 4102]
21. Source testing to measure startup NOx, CO, and VOC mass emission rates shall be conducted at least once every seven years. CEM relative accuracy audit (RAA) shall be determined during startup source testing in accordance with 40 CFR 60, Appendix F. [District Rule 1081] Federally Enforceable Through Title V Permit
22. Source testing to measure the NOx, CO, VOC, and NH3 emission rates (lb/hr and ppmvd @ 15% O2) and PM10 emission rate (lb/hr) shall be conducted at least once every four calendar quarters. [District Rules 1081 and 4703] Federally Enforceable Through Title V Permit
23. Compliance demonstration (source testing) shall be District witnessed or authorized and samples shall be collected by a certified testing laboratory. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified no less than 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. 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
24. The following test methods shall be used: NOx - EPA Method 7E or 20, PM10 - EPA Method 5 (front half and back half), CO - EPA Method 10 or 10B, O2 - EPA Method 3, 3A, or 20, VOC - EPA Method 18 or 25, ammonia - BAAQMD ST-1B, and fuel gas sulfur content - ASTM D6228 or D5504. NOx test results shall be corrected to ISO standard conditions as defined in 40 CFR Part 60 Subpart GG Section 60.335. EPA approved alternative test methods as approved by the District may also be used to address the source testing requirements of this permit. The request to utilize EPA approved alternative source testing methods must be submitted in writing and written approval received from the District prior to the submission of the source test plan. [District Rules 1081, 4001, and 4703] Federally Enforceable Through Title V Permit
25. The exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples consistent with EPA test methods and shall be equipped with safe permanent provisions to sample stack gases with a portable NOx, CO, and O2 analyzer during District inspections. The sampling ports shall be located in accordance with the CARB regulation titled California Air Resources Board Air Monitoring Quality Assurance Volume VI, Standard Operating Procedures for Stationary Source Emission Monitoring and Testing. [District Rule 1081] Federally Enforceable Through Title V Permit
26. The turbine shall be equipped with a continuous monitoring system to measure and record hours of operation, mass ratio of water-to-fuel injected and fuel consumption. [District Rules 2201, 4001, and 4703] Federally Enforceable Through Title V Permit
27. The exhaust stack shall be equipped with a continuous emissions monitor (CEM) for NOx, CO, and O2. The CEMs shall meet the requirements of 40 CFR part 60, Appendices A, B, and F and shall be capable of monitoring emissions during startups and shutdowns as well as during normal operating conditions. [District Rules 1080, 2201, 4001, and 4703] Federally Enforceable Through Title V Permit
28. The facility shall install and maintain equipment, facilities, and systems compatible with the District's CEM data polling software system and shall make CEM data available to the District's automated polling system on a daily basis. [District Rule 1080] Federally Enforceable Through Title V Permit
29. Upon notice by the District that the facility's CEM system is not providing polling data, the facility may continue to operate without providing automated data for a maximum of 30 days per calendar year provided the CEM data is sent to the District by a District-approved alternative method. [District Rule 1080] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

30. Results of continuous emissions monitoring shall be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [District Rule 1080] Federally Enforceable Through Title V Permit
31. Audits (RAA or CGA) of continuous emission monitors shall be conducted on a calendar quarterly basis, except during calendar quarters in which relative accuracy and total accuracy testing is performed. The District shall be notified prior to completion of the audits. Audit reports shall be submitted along with quarterly compliance reports to the District. [District Rule 1080] Federally Enforceable Through Title V Permit
32. The owner/operator shall perform a relative accuracy test audit (RATA) for the NO_x, CO and O₂ CEMS as specified by 40 CFR Part 60, Appendix F, 5.1.1, at least once every four calendar quarters. The permittee shall comply with the applicable requirements for quality assurance testing and maintenance of the continuous emission monitor equipment in accordance with the procedures and guidance specified in 40 CFR Part 60, Appendix F. [District Rule 1080] Federally Enforceable Through Title V Permit
33. The permittee shall submit a written report to the APCO for each calendar quarter, within 30 days of the end of the quarter, including: time intervals, data and magnitude of excess emissions, nature and cause of excess emissions (if known), corrective actions taken and preventive measures adopted; averaging period used for data reporting shall correspond to the averaging period for each respective emission standard; applicable time and date of each period during which the CEM was inoperative (except for zero and span checks excluding normal calibration periods or when the monitored source is not in operation) and the nature of system repairs and adjustments; and a negative declaration when no excess emissions occurred. [District Rule 1080] Federally Enforceable Through Title V Permit
34. Permittee shall provide notification and recordkeeping as required under 40 CFR, Part 60, Subpart A, 60.7. [District Rule 4001] Federally Enforceable Through Title V Permit
35. The permittee shall maintain the following records: date and time, duration, and type of any startup, shutdown, or malfunction; performance testing, evaluations, calibrations, checks, adjustments, any period during which a continuous monitoring system or monitoring device was inoperative, and maintenance of any continuous emission monitor. [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
36. The permittee shall maintain the following records: hours of operation, fuel consumption (scf/hr and scf/rolling twelve month period), continuous emission monitor measurements, calculated ammonia slip, and calculated NO_x mass emission rates (lb/hr and lb/twelve month rolling period). [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
37. The sulfur content of each fuel source shall be: (i) documented in a valid purchase contract, a supplier certification, tariff or transportation contract or (ii) the representative fuel sampling data shows that sulfur content of gas does not exceed 1.0 gr/100 scf. [District Rules 4001 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
38. All records required to be maintained by this permit shall be maintained for a period of at least five years and shall be made readily available for District inspection upon request. [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit

ATTACHMENT C

Emissions Increases

	SSIPE (lb/yr)				
	NOx	VOC	CO	SOx	PM10
C-4071-8-5	0	0	0	0	0
TOTAL	0	0	0	0	0

ATTACHMENT D

Application



San Joaquin Valley Air Pollution Control District

www.valleyair.org



JAN 26 2015

Permit Application For:

Permits Services

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

1. PERMIT TO BE ISSUED TO: <u>Algonquin Power Sanger LLC</u>	
2. MAILING ADDRESS: STREET/P.O. BOX: <u>1125 Muscat Ave</u> CITY: <u>Sanger</u> STATE: <u>CA</u> 9-DIGIT ZIP CODE: <u>93657</u>	
3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED: STREET: <u>1125 Muscat Ave</u> CITY: <u>Sanger</u> _____ ¼ SECTION _____ TOWNSHIP _____ RANGE _____	INSTALLATION DATE: <u>??/??/2015</u>
4. GENERAL NATURE OF BUSINESS: <u>Power Plant – electrical generation</u>	
5. DESCRIPTION OF EQUIPMENT OR MODIFICATION FOR WHICH APPLICATION IS MADE (include Permit #'s if known, and use additional sheets if necessary) C-4071-8-4 We are installing an inlet air fogging system to the Gas Turbine. This will lower the inlet temperature and optimize operating performance. <u>ATC: 1142554</u>	
6. TYPE OR PRINT NAME OF APPLICANT: <u>Bernard Reed</u>	TITLE OF APPLICANT: <u>Business Manager</u>
7. SIGNATURE OF APPLICANT: 	DATE: <u>1/23/15</u> PHONE: (559) 875-0800 FAX: (559) 875-0667 EMAIL: <u>Bernie.reed@algonquinpower.com</u>

For APCD Use Only:

DATE STAMP	FILING FEE RECEIVED: \$ <u>19.00</u> CHECK#: <u>1881</u>
	DATE PAID: <u>January 26, 2015</u>
	PROJECT NO: <u>C-1150062</u> FACILITY ID: <u>C-4071</u>

**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: 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 Company	
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

2/4/15
Date

Bernard Reed
Name of Responsible Official (please print)

Business Manager
Title of Responsible Official (please print)

ATTACHMENT E

Previous Title V Operating Permit No.
C-4071-8-3

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-4071-8-3

EXPIRATION DATE: 05/31/2017

EQUIPMENT DESCRIPTION:

49 MW NOMINALLY RATED GE MODEL LM-6000 GAS TURBINE/GENERATOR WITH COMBUSTION CONTROLS SERVED BY A SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM WITH AMMONIA INJECTION

PERMIT UNIT REQUIREMENTS

1. A selective catalytic reduction (SCR) system shall serve the gas turbine engine. Exhaust ducting may be equipped (if required) with a fresh air inlet blower to be used to lower the exhaust temperature prior to inlet of the SCR system catalyst. [District Rule 2201] Federally Enforceable Through Title V Permit
2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Turbine and associated electrical generator lube oil vents shall be equipped with mist eliminators. Visible emissions from lube oil vents shall not exhibit opacity of 5% or greater, except for a period or periods not exceeding three minutes in any one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
5. The gas turbine shall be fired exclusively on natural gas with a sulfur content of no greater than 1.0 grain of sulfur compounds (as S) per 100 dry scf of natural gas. [40 CFR 60.333(b) and District Rule 2201] Federally Enforceable Through Title V Permit
6. The rate of fuel consumption shall not exceed 11,000,000 scf per day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Combined natural gas consumption for this gas turbine, the 16.8 MMBtu/hr boiler listed under C-4071-9, and the dryer listed under C-4071-10, calculated on a twelve consecutive month rolling basis, shall not exceed 1,386 MMScf/year. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Annual emissions from this gas turbine, the 16.8 MMBtu/hr boiler listed under C-4071-9, and the dryer listed under C-4071-10, calculated on a twelve consecutive month rolling basis, shall not exceed any of the following: NOx (as NO2) - 31,086 lb/year; SOx (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
9. During startup periods, gas turbine exhaust emissions shall not exceed any of the following limits: NOx (as NO2) - 21.9 lb/hr, CO - 66.0 lb/hr, or VOC - 11.6 lb/hr, based on a one hour average. [District Rules 2201, 4102 and 4703] Federally Enforceable Through Title V Permit
10. During shutdown periods, gas turbine stack exhaust emissions shall not exceed any of the following limits: NOx (as NO2) - 21.9 lb/hr, CO - 66.0 lb/hr, or VOC - 11.6 lb/hr, based on a one hour average. [District Rules 2201, 4102 and 4703] Federally Enforceable Through Title V Permit
11. Startup or shutdown periods shall be defined as periods of time during which the stack exhaust gas, gas turbine exhaust, and SCR temperature are not within the normal operating temperature range. Startup/shutdown emissions shall be counted toward all applicable emission limits (lb/day and lb/year). [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. The duration of each startup or shutdown period shall not exceed two hours. [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
13. The emission control systems shall be in operation and emissions shall be minimized insofar as technologically feasible during startup and shutdown. [District Rule 4703] Federally Enforceable Through Title V Permit
14. Emission rates from this unit, except during startup and shutdown periods, shall not exceed any of the following limits: NOx (as NO₂) - 7.6 lb/hr or 5.0 ppmvd @ 15% O₂; SOx (as SO₂) - 0.25 lb/hr; PM₁₀ - 4.33 lb/hr; CO - 33.0 lb/hr or 35.2 ppmvd @ 15% O₂; or VOC (as methane) - 5.7 lb/hr or 10.9 ppmvd @ 15% O₂. All emission concentration limits are based on three hour rolling averages. [40 CFR 60.332(a)(1), (a)(2) and District Rules 2201 & 4703] Federally Enforceable Through Title V Permit
15. Ammonia (NH₃) emissions shall not exceed 15 ppmvd @ 15% O₂ based on 24 hr rolling average. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
16. Each one hour period in a three hour rolling average will commence on the hour. The three hour average will be compiled from the three most recent one hour periods. Each one hour period in a twenty-four hour average will commence on the hour. The twenty-four hour average will be calculated starting and ending at twelve-midnight. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Emissions from this unit, on days when a startup and/or shutdown occurs, shall not exceed the following: NOx (as NO₂) - 134.0 lb/day; SOx (as SO₂) - 14.4 lb/day; PM₁₀ - 52.0 lb/day; CO - 496.0 lb/day; or VOC - 87.0 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Daily emissions will be compiled for a twenty-four hour period starting and ending at twelve-midnight. Each month in the twelve consecutive month rolling average emissions shall commence at the beginning of the first day of the month. The twelve consecutive month rolling average emissions to determine compliance with annual emissions limitations shall be compiled from the twelve most recent calendar months. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Compliance with the ammonia emission limits shall be demonstrated utilizing one of the following procedures: 1) calculate the daily ammonia emissions using the following equation: $(\text{ppmvd @ 15\% O}_2) = ((a - (b \times c / 1,000,000)) \times (1,000,000 / b)) \times d$, where a = ammonia injection rate (lb/hr) / (17 lb/lb mol), b = dry exhaust flow rate (lb/hr) / (29 lb/lb mol), c = change in measured NOx concentration ppmvd @ 15% O₂ across the catalyst, and d = correction factor. The correction factor shall be derived annually during compliance testing by comparing the measured and calculated ammonia slip; 2.) Utilize another District-approved calculation method using measured surrogate parameters to determine the daily ammonia emissions in ppmvd @ 15% O₂. If this option is chosen, the permittee shall submit a detailed calculation protocol for District approval at least 60 days prior to commencement of operation; 3.) Alternatively, the permittee may utilize a continuous in-stack ammonia monitor to verify compliance with the ammonia emissions limit. If this option is chosen, the permittee shall submit a monitoring plan for District approval at least 60 days prior to commencement of operation. [District Rule 4102]
20. Source testing to measure startup NOx, CO, and VOC mass emission rates shall be conducted at least once every seven years. CEM relative accuracy audit (RAA) shall be determined during startup source testing in accordance with 40 CFR 60, Appendix F. [District Rule 1081] Federally Enforceable Through Title V Permit
21. Source testing to measure the NOx, CO, VOC, and NH₃ emission rates (lb/hr and ppmvd @ 15% O₂) and PM₁₀ emission rate (lb/hr) shall be conducted at least once every four calendar quarters. [District Rules 1081 and 4703] Federally Enforceable Through Title V Permit
22. Compliance demonstration (source testing) shall be District witnessed or authorized and samples shall be collected by a certified testing laboratory. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified no less than 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. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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23. The following test methods shall be used: NO_x - EPA Method 7E or 20, PM₁₀ - EPA Method 5 (front half and back half), CO - EPA Method 10 or 10B, O₂ - EPA Method 3, 3A, or 20, VOC - EPA Method 18 or 25, ammonia - BAAQMD ST-1B, and fuel gas sulfur content - ASTM D6228 or D5504. NO_x test results shall be corrected to ISO standard conditions as defined in 40 CFR Part 60 Subpart GG Section 60.335. EPA approved alternative test methods as approved by the District may also be used to address the source testing requirements of this permit. The request to utilize EPA approved alternative source testing methods must be submitted in writing and written approval received from the District prior to the submission of the source test plan. [District Rules 1081, 4001, and 4703] Federally Enforceable Through Title V Permit
24. The exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples consistent with EPA test methods and shall be equipped with safe permanent provisions to sample stack gases with a portable NO_x, CO, and O₂ analyzer during District inspections. The sampling ports shall be located in accordance with the CARB regulation titled California Air Resources Board Air Monitoring Quality Assurance Volume VI, Standard Operating Procedures for Stationary Source Emission Monitoring and Testing. [District Rule 1081] Federally Enforceable Through Title V Permit
25. The turbine shall be equipped with a continuous monitoring system to measure and record hours of operation, mass ratio of water-to-fuel injected and fuel consumption. [District Rules 2201, 4001, and 4703] Federally Enforceable Through Title V Permit
26. The exhaust stack shall be equipped with a continuous emissions monitor (CEM) for NO_x, CO, and O₂. The CEMs shall meet the requirements of 40 CFR part 60, Appendices A, B, and F and shall be capable of monitoring emissions during startups and shutdowns as well as during normal operating conditions. [District Rules 1080, 2201, 4001, and 4703] Federally Enforceable Through Title V Permit
27. The facility shall install and maintain equipment, facilities, and systems compatible with the District's CEM data polling software system and shall make CEM data available to the District's automated polling system on a daily basis. [District Rule 1080] Federally Enforceable Through Title V Permit
28. Upon notice by the District that the facility's CEM system is not providing polling data, the facility may continue to operate without providing automated data for a maximum of 30 days per calendar year provided the CEM data is sent to the District by a District-approved alternative method. [District Rule 1080] Federally Enforceable Through Title V Permit
29. Results of continuous emissions monitoring shall be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [District Rule 1080] Federally Enforceable Through Title V Permit
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31. The owner/operator shall perform a relative accuracy test audit (RATA) for the NO_x, CO and O₂ CEMS as specified by 40 CFR Part 60, Appendix F, 5.1.1, at least once every four calendar quarters. The permittee shall comply with the applicable requirements for quality assurance testing and maintenance of the continuous emission monitor equipment in accordance with the procedures and guidance specified in 40 CFR Part 60, Appendix F. [District Rule 1080] Federally Enforceable Through Title V Permit
32. The permittee shall submit a written report to the APCO for each calendar quarter, within 30 days of the end of the quarter, including: time intervals, data and magnitude of excess emissions, nature and cause of excess emissions (if known), corrective actions taken and preventive measures adopted; averaging period used for data reporting shall correspond to the averaging period for each respective emission standard; applicable time and date of each period during which the CEM was inoperative (except for zero and span checks excluding normal calibration periods or when the monitored source is not in operation) and the nature of system repairs and adjustments; and a negative declaration when no excess emissions occurred. [District Rule 1080] Federally Enforceable Through Title V Permit
33. Permittee shall provide notification and recordkeeping as required under 40 CFR, Part 60, Subpart A, 60.7. [District Rule 4001] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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34. The permittee shall maintain the following records: date and time, duration, and type of any startup, shutdown, or malfunction; performance testing, evaluations, calibrations, checks, adjustments, any period during which a continuous monitoring system or monitoring device was inoperative, and maintenance of any continuous emission monitor. [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
35. The permittee shall maintain the following records: hours of operation, fuel consumption (scf/hr and scf/rolling twelve month period), continuous emission monitor measurements, calculated ammonia slip, and calculated NOx mass emission rates (lb/hr and lb/twelve month rolling period). [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
36. The sulfur content of each fuel source shall be: (i) documented in a valid purchase contract, a supplier certification, tariff or transportation contract or (ii) the representative fuel sampling data shows that sulfur content of gas does not exceed 1.0 gr/100 scf. [District Rules 4001 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
37. All records required to be maintained by this permit shall be maintained for a period of at least five years and shall be made readily available for District inspection upon request. [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit

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