**CLASS I AIR QUALITY PERMIT**

**DRAFT PERMIT No. 110023**

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| **PERMITTEE:** | **Arizona Electric Power Cooperative, Inc.** |
| **FACILITY:** | **Mohave Energy Park** |
| **PLACE ID:** | **251311** |
| **DATE ISSUED:** | **Date Pending** |
| **EXPIRY DATE:** | **Date Pending** |

## SUMMARY

This new Class I air quality permit is being issued to Arizona Electric Power Cooperative, Inc. (AEPCO), the Permittee, for the construction and operation of a peaking plant identified as Mohave Energy Park (MEP). The facility is located at 2897 E. King Street in Mohave Valley, Arizona 86440 in Mohave County.

MEP will involve the construction and operation of a natural gas-fired electric generating facility. The facility is designed to provide sustained power during periods of peak demand and when renewable energy is unavailable. The facility will have a total generating capacity of approximately 195 megawatts (MW) from four (4) simple cycle combustion turbines. These will burn pipeline-quality natural gas and will be equipped with a selective catalytic reduction (SCR) system to control nitrogen oxide ($NO_X$) emissions and an oxidation catalyst to control carbon monoxide (CO) and volatile organic compound (VOC) emissions. A continuous emission monitoring system (CEMS) will be installed to monitor $NO_X$ and CO along with heat input to demonstrate compliance with applicable emission limits. The project also includes the installation of one (1) emergency generator and one (1) emergency fire pump. Both of these will fire ultra-low sulfur diesel (ULSD) and be limited to a maximum of 100 hours per year for performance testing and maintenance purposes.

Based on the facility's potential to emit (PTE), NOx and CO emissions exceed major source thresholds as defined under the Arizona Administrative Code (A.A.C.) R18-2-101(76). Therefore, MEP is classified as a major source and thus, it is required to obtain a new Class I air quality permit in accordance with A.A.C. R18-2-302.B.1. Moreover, the facility's PTE exceeds the minor New Source Review (NSR) permitting exemption thresholds for NOx and CO. Thus, triggering Minor NSR in accordance with A.A.C. R18-2-334.A.1. An air dispersion modeling was conducted to demonstrate that the facility will not cause or contribute to a violation of the National Ambient Air Quality Standards (NAAQS).

This permit is issued in accordance with Arizona Revised Statutes (A.R.S.) § 49-426. It contains requirements from Title 18, Chapter 2 of the A.A.C. and Title 40 of the Code of Federal Regulations (CFR). All definitions, terms, and conditions used in this permit conform to those in the Arizona Administrative Code R18-2-101 et. seq. (A.A.C.) and Title 40 of the CFR, except as otherwise defined in this permit.

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## ATTACHMENT "A": GENERAL PROVISIONS

## I. PERMIT EXPIRATION AND RENEWAL

**A.** This permit is valid for a period of five (5) years from the date of issuance.

[A.R.S. § 49-426.F, A.A.C. R18-2-306.A.1]

**B.** The Permittee shall submit an application for renewal of this permit at least six (6) months, but not more than eighteen (18) months, prior to the date of permit expiration.

[A.A.C. R18-2-304.D.2]

## II. COMPLIANCE WITH PERMIT CONDITIONS

**A.** The Permittee shall comply with all conditions of this permit including all applicable requirements of the Arizona Revised Statutes (A.R.S.) Title 49, Chapter 3, and the air quality rules under Title 18, Chapter 2 of the Arizona Administrative Code. Any permit noncompliance is grounds for enforcement action; for permit termination, revocation and reissuance, revision; or for denial of a permit renewal application. In addition, noncompliance with any federally enforceable requirement constitutes a violation of the Clean Air Act.

[A.A.C. R18-2-306.A.8.a]

**B.** It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

[A.A.C. R18-2-306.A.8.b]

## III. PERMIT REVISION, REOPENING, REVOCATION AND REISSUANCE, OR TERMINATION FOR CAUSE

**A.** The permit may be revised, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a permit revision, revocation and reissuance, termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

[A.A.C. R18-2-306.A.8.c]

**B.** The permit shall be reopened and revised under any of the following circumstances:

1. Additional applicable requirements under the Clean Air Act become applicable to the Class I source. Such a reopening shall only occur if there are three (3) or more years remaining in the permit term. The reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of it terms and conditions has been extended pursuant to A.A.C. R18-2-322.B. Any permit revision required pursuant to this subparagraph shall comply with the provisions in A.A.C. R18-2-322 for permit renewal and shall reset the 5-year permit term;

[A.A.C. R18-2-321.A.1.a]

2. Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the EPA Region 9 Administrator, excess emissions offset plans shall be deemed to be incorporated into the Class I permit;

[A.A.C. R18-2-321.A.1.b]

3. The ADEQ Director or the EPA Region 9 Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit; and

[A.A.C. R18-2-321.A.1.c]

4. The ADEQ Director or the EPA Region 9 Administrator determines that the permit needs to be revised or revoked to assure compliance with the applicable requirements.

[A.A.C. R18-2-321.A.1.d]

**C.** Proceedings to reopen and issue a permit, including appeal of any final action relating to a permit reopening, shall follow the same procedures as apply to initial permit issuance and shall, except for reopenings under Condition III.B.1 above, affect only those parts of the permit for which cause to reopen exists. Such reopening shall be made as expeditiously as practicable. Permit reopenings for reasons other than those stated in Condition III.B.1 above shall not result in a resetting of the 5-year permit term.

[A.A.C. R18-2-321.A.2]

## IV. POSTING OF PERMIT

**A.** The Permittee shall post this permit or a certificate of permit issuance at the facility in such a manner as to be clearly visible and accessible. All equipment covered by this permit shall be clearly marked with one of the following:

[A.A.C. R18-2-315.A]

1. Current permit number; or

2. Serial number or other equipment identification number (equipment ID number) that is also listed in the permit to identify that piece of equipment.

**B.** A copy of the complete permit shall be kept on site.

[A.A.C. R18-2-315.B]

## V. FEE PAYMENT

The Permittee shall pay fees to the ADEQ Director pursuant to A.R.S. § 49-426(E) and A.A.C. R18-2-326.

[A.A.C. R18-2-306.A.9 and -326]

## VI. EMISSIONS INVENTORY QUESTIONNAIRE

**A.** The Permittee shall complete and submit to the ADEQ Director an emissions inventory questionnaire no later than June 1 of each year.

[A.A.C. R18-2-327.A.1.a]

**B.** The emissions inventory questionnaire shall be on an electronic or paper form provided by the ADEQ Director and shall include the information required by A.A.C. R18-2-327.A.3 for the previous calendar year.

[A.A.C. R18-2-327.A.3]

**C.** The Permittee shall submit to the ADEQ Director an amendment to an emissions inventory questionnaire, containing the documentation required by A.A.C. R18-2-327.A.3, whenever the Permittee discovers or receives notice, within two (2) years of the original submittal, that incorrect or insufficient information was submitted to the ADEQ Director by a previous emissions inventory questionnaire. The amendment shall be submitted to the ADEQ Director within 30 days of discovery or receipt of notice. If the incorrect or insufficient information resulted in an incorrect annual emissions fee, the ADEQ Director shall require that additional payment be made or shall apply an amount as a credit to a future annual emissions fee. The submittal of an amendment shall not subject the Permittee to an enforcement action or a civil or criminal penalty if the original submittal of incorrect or insufficient information was not due to willful neglect.

[A.A.C. R18-2-327.A.4]

## VII. COMPLIANCE CERTIFICATION

**A.** The Permittee shall submit a compliance certification to the ADEQ Director semiannually, which describes the compliance status of the source with respect to each permit condition. The first certification shall be submitted no later than May 15th, and shall report the compliance status of the source during the period between October 1st of the previous year and March 31st of the current year. The second certification shall be submitted no later than November 15th, and shall report the compliance status of the source during the period between April 1st and September 30th of the current year.

[A.A.C. R18-2-309.2.a]

**B.** The compliance certifications shall include the following:

1. Identification of each term or condition of the permit that is the basis of the certification;

[A.A.C. R18-2-309.2.c.i]

2. Identification of the methods or other means used by the Permittee for determining the compliance status with each term and condition during the certification period;

[A.A.C. R18-2-309.2c.ii]

3. Status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certifications shall identify each deviation (including any deviations reported pursuant to Condition

XI.B of this Attachment) during the period covered by the certification and take it into account for consideration in the compliance certification;

[A.A.C. R18-2-309.2.c.iii]

4. For emission units subject to 40 CFR Part 64, the certification shall also identify as possible exceptions to compliance any period during which compliance is required and in which an excursion or exceedance defined under 40 CFR Part 64 occurred;

[A.A.C. R18-2-309.2.c.iii]

5. Other facts the ADEQ Director may require to determine the compliance status of the source.

[A.A.C. R18-2-309.2.c.iv]

**C.** A copy of all compliance certifications shall also be submitted to the EPA Region 9 Administrator.

[A.A.C. R18-2-309.2.d]

**D.** If any outstanding compliance schedule exists, a progress report shall be submitted with the semiannual compliance certifications required in Condition VII.A above. The progress reports shall contain the information required by A.A.C R18-2-309.5.d.

[A.A.C. R18-2-309.5.d]

## VIII. CERTIFICATION OF TRUTH, ACCURACY AND COMPLETENESS

Any document required to be submitted by this permit, including reports, shall contain a certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

[A.A.C. R18-2-309.3]

## IX. INSPECTION AND ENTRY

Upon presentation of proper credentials, the Permittee shall allow the ADEQ Director or the authorized representative of the ADEQ Director to:

**A.** Enter upon the Permittee's premises where a source is located, emissions-related activity is conducted, or where records are required to be kept under the conditions of the permit;

[A.A.C. R18-2-309.4.a]

**B.** Have access to and copy, at reasonable times, any records that are required to be kept under the conditions of the permit;

[A.A.C. R18-2-309.4.b]

**C.** Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;

[A.A.C. R18-2-309.4.c]

**D.** Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or other applicable requirements; and

[A.A.C. R18-2-309.4.d]

**E.** Record any inspection by use of written, electronic, magnetic and photographic media.

[A.A.C. R18-2-309.4.e]

## X. ACCIDENTAL RELEASE PROGRAM

If this source becomes subject to the provisions of 40 CFR Part 68, then the Permittee shall comply with these provisions according to the time line specified in 40 CFR Part 68.

[40 CFR Part 68]

## XI. EXCESS EMISSIONS, PERMIT DEVIATIONS AND EMERGENCY REPORTING

**A.** Excess Emissions Reporting

[A.A.C. R18-2-310.01.A, B, and C]

1. Excess emissions shall be reported as follows:

a. The Permittee shall report to the ADEQ Director any emissions in excess of the limits established by this permit. Such report shall be in two parts as specified below:

(1) Notification by telephone or facsimile within 24 hours of the time when the Permittee first learned of the occurrence of excess emissions including all available information from Condition XI.A.1.b below.

(2) Detailed written notification by submission of an excess emissions report within 72 hours of the notification pursuant to Condition XI.A.1.a(1) above.

[A.A.C. R18-2-310.01.A]

b. The report shall contain the following information:

(1) Identity of each stack or other emission point where the excess emissions occurred;

[A.A.C. R18-2-310.01.B.1]

(2) Magnitude of the excess emissions expressed in the units of the applicable emission limitation and the operating data and calculations used in determining the magnitude of the excess emissions;

[A.A.C. R18-2-310.01.B.2]

(3) Time and duration, or expected duration, of the excess emissions;

[A.A.C. R18-2-310.01.B.3]

(4) Identity of the equipment from which the excess emissions emanated;

[A.A.C. R18-2-310.01.B.4]

(5) Nature and cause of such emissions;

[A.A.C. R18-2-310.01.B.5]

(6) If the excess emissions were the result of a malfunction, steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of such malfunctions;

[A.A.C. R18-2-310.01.B.6]

(7) Steps that were or are being taken to limit the excess emissions; and

[A.A.C. R18-2-310.01.B.7]

(8) If the excess emissions resulted from startup or malfunction, the report shall contain a list of the steps taken to comply with any permit procedures governing source operation during periods of startup or malfunction.

[A.A.C. R18-2-310.01.B.8]

2. In the case of continuous or recurring excess emissions, the notification requirements shall be satisfied if the source provides the required notification after excess emissions are first detected and includes in such notification an estimate of the time the excess emissions will continue. Excess emissions occurring after the estimated time period, or changes in the nature of the emissions as originally reported, shall require additional notification pursuant to Condition XI.A.1.

[A.A.C. R18-2-310.01.C]

**B.** Permit Deviations Reporting

The Permittee shall promptly report deviations from permit requirements, including those attributable to upset conditions as defined in the permit, the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the applicable requirement contains a definition of prompt or otherwise specifies a timeframe for reporting deviations, that definition or timeframe shall govern. Where the applicable requirement does not address the timeframe for reporting deviations, the Permittee shall submit reports of deviations according to the following schedule:

1. Notice that complies with Condition XI.A.1 above is prompt for deviations that constitute excess emissions;

[A.A.C. R18-2-306.A.5.b.i]

2. Notice that is submitted within two (2) working days of discovery of the deviation is prompt for deviations of permit conditions identified by Condition I.C.1 of Attachment “B”;

[A.A.C. R18-2-306.A.5.b.ii]

3. Except as provided in Conditions XI.B.1 and 2 above, prompt notification of all other types of deviations shall be every six (6) months, concurrent with the semiannual compliance certifications required in Section VII, and can be submitted via myDEQ, the Arizona Department of Environmental Quality's online portal.

[A.A.C. R18-2-306.A.5.b.ii]

**C.** Emergency Provision

1. An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, that require immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

[A.A.C. R18-2-306.E.1]

2. An emergency constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if Condition XI.C.3 below is met.

[A.A.C. R18-2-306.E.2]

3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

[A.A.C. R18-2-306.E.3]

a. An emergency occurred and that the Permittee can identify the cause(s) of the emergency;

[A.A.C. R18-2-306.E.3.a]

b. The permitted facility was being properly operated at the time of the emergency;

[A.A.C. R18-2-306.E.3.b]

c. During the period of the emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and

[A.A.C. R18-2-306.E.3.c]

d. The Permittee submitted notice of the emergency to the ADEQ Director by certified mail, facsimile, or hand delivery within two (2) working days of the time when emission limitations were exceeded due to the emergency. This notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective action taken.

[A.A.C. R18-2-306.E.3.d]

4. In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

[A.A.C. R18-2-306.E.4]

5. This provision is in addition to any emergency or upset provision contained in any applicable requirement.

[A.A.C. R18-2-306.E.5]

## XII. RECORDKEEPING REQUIREMENTS

**A.** The Permittee shall keep records of all required monitoring information including, but not limited to, the following:

[A.A.C. R18-2-306.A.4.a]

1. The date, place as defined in the permit, and time of sampling or measurements;

[A.A.C. R18-2-306.A.4.a.i]

2. The date(s) any analyses were performed;

[A.A.C. R18-2-306.A.4.a.ii]

3. The name of the company or entity that performed the analyses;

[A.A.C. R18-2-306.A.4.a.iii]

4. A description of the analytical techniques or methods used;

[A.A.C. R18-2-306.A.4.a.iv]

5. The results of analyses; and

[A.A.C. R18-2-306.A.4.a.v]

6. The operating conditions as existing at the time of sampling or measurement.

[A.A.C. R18-2-306.A.4.a.vi]

**B.** The Permittee shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings or other data recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

[A.A.C. R18-2-306.A.4.b]

## XIII. REPORTING REQUIREMENTS

The Permittee shall submit the following reports:

**A.** Semiannual compliance certifications in accordance with Section VII;

[A.A.C. R18-2-306.A.5.a]

**B.** Excess emissions; permit deviations, and emergency reports in accordance with Section XI; and

[A.A.C. R18-2-306.A.5.b]

**C.** Other reports required by any condition of Attachment "B".

[A.A.C. R18-2-306.A.5.a]

## XIV. DUTY TO PROVIDE INFORMATION

**A.** The Permittee shall furnish to the ADEQ Director, within a reasonable time, any information that the ADEQ Director may request in writing to determine whether cause exists for revising, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. Upon request, the Permittee shall also furnish to the ADEQ Director copies of records required to be kept by the permit. For information claimed to be confidential, the Permittee shall furnish an additional copy of such records directly to the Administrator along with a claim of confidentiality.

[A.A.C. R18-2-304.G and -306.A.8.e]

**B.** If the Permittee has failed to submit any relevant facts or has submitted incorrect information in the permit application, the Permittee shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrected information.

[A.A.C. R18-2-304.H]

## XV. PERMIT AMENDMENT OR REVISION

The Permittee shall apply for a permit amendment or revision for changes to the facility which do not qualify for a facility change without revision under Section XVI, as follows:

**A.** Administrative Permit Amendment;

[A.A.C. R18-2-318]

**B.** Minor Permit Revision; and

[A.A.C. R18-2-319]

**C.** Significant Permit Revision.

[A.A.C. R18-2-320]

The applicability and requirements for such action are defined in the above referenced regulations.

## XVI. FACILITY CHANGE WITHOUT A PERMIT REVISION

**A.** The Permittee may make changes that contravene an express permit term without a permit revision if all of the following apply:

1. The changes are not modifications under any provision of Title I of the Act or under A.R.S. § 49-401.01(24);

[A.A.C. R18-2-317.A.1]

2. The changes do not exceed the emissions allowable under the permit whether expressed therein as a rate of emissions or in terms of total emissions;

[A.A.C. R18-2-317.A.2]

3. The changes do not violate any applicable requirements or trigger any additional applicable requirements;

[A.A.C. R18-2-317.A.3]

4. The changes satisfy all requirements for a minor permit revision under A.A.C. R18-2-319.A;

[A.A.C. R18-2-317.A.4]

5. The changes do not contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements; and

[A.A.C. R18-2-317.A.5]

6. The changes do not constitute a minor NSR modification.

[A.A.C. R18-2-317.A.6]

**B.** The substitution of an item of process or pollution control equipment for an identical or substantially similar item of process or pollution control equipment shall qualify as a change that does not require a permit revision, if it meets all of the requirements of Conditions XVI.A, C, and D of this Attachment.

[A.A.C. R18-2-317.B]

**C.** For each change under Conditions XVI.A and XVI.B, a written notice by certified mail or hand delivery shall be received by the ADEQ Director and the EPA Region 9 Administrator a minimum of 7 working days in advance of the change. Notifications of changes associated with emergency conditions, such as malfunctions necessitating the replacement of equipment, may be provided less than 7 working days in advance of the change, but must be provided as far in advance of the change~~,~~ as possible or, if advance notification is not practicable, as soon after the change as possible.

[A.A.C. R18-2-317.D]

**D.** Each notification shall include:

1. When the proposed change will occur;

[A.A.C. R18-2-317.E.1]

2. A description of the change;

[A.A.C. R18-2-317.E.2]

3. Any change in emissions of regulated air pollutants; and

[A.A.C. R18-2-317.E.3]

4. Any permit term or condition that is no longer applicable as a result of the change.

[A.A.C. R18-2-317.E.7]

**E.** The permit shield described in A.A.C. R18-2-325 shall not apply to any change made under this Section XVI.

[A.A.C. R18-2-317.F]

**F.** Except as otherwise provided for in the permit, making a change from one alternative operating scenario to another as provided under A.A.C. R18-2-306.A.11 shall not require any prior notice under this Section XVI.

[A.A.C. R18-2-317.G]

**G.** Notwithstanding any other part of Section XVI, the ADEQ Director may require a permit to be revised for any change that, when considered together with any other changes submitted by the same source under Section XVI over the term of the permit, do not satisfy Condition XVI.A.

[A.A.C. R18-2-317.H]

## XVII. TESTING REQUIREMENTS

**A.** Except as provided in Condition XVII.F, the Permittee shall conduct performance tests as specified in the permit and at such other times as may be required by the ADEQ Director.

[A.A.C. R18-2-312.A]

**B.** Operational Conditions During Performance Testing

Performance tests shall be conducted under such conditions as the ADEQ Director shall specify to the plant operator based on representative performance of the source. The Permittee shall make available to the ADEQ Director such records as may be necessary to determine the conditions of the performance tests. Operations during periods of start-up, shutdown, and malfunction (as defined in A.A.C. R18-2-101) shall not constitute representative conditions of performance tests unless otherwise specified in the applicable standard.

[A.A.C. R18-2-312.C]

**C.** Performance tests shall be conducted and data reduced in accordance with the test methods and procedures contained in the Arizona Testing Manual unless modified by the ADEQ Director pursuant to A.A.C. R18-2-312.B.

[A.A.C. R18-2-312.B]

**D.** Test Plan

At least 14 working days prior to performing a test, the Permittee shall submit a test plan to the ADEQ Director, which must include the following, in addition to all other applicable requirements, as identified in the Arizona Testing Manual:

[A.A.C. R18-2-312.B]

1. Test duration;
2. Test location(s);
3. Test method(s); and
4. Source operation and other parameters that may affect test results.

**E.** Stack Sampling Facilities

The Permittee shall provide, or cause to be provided, performance testing facilities as follows:

[A.A.C. R18-2-312.E]

1. Sampling ports adequate for test methods applicable to the facility;

2. Safe sampling platform(s);

3. Safe access to sampling platform(s); and

4. Utilities for sampling and testing equipment.

**F.** Interpretation of Final Results

Each performance test shall consist of three (3) separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic mean of the results of the three runs shall apply. In the event that a sample is accidentally lost or conditions occur in which one of the three (3) runs is required to be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances beyond the Permittee's control, compliance may, upon the ADEQ Director's approval, be determined using the arithmetic mean of the results of the other two (2) runs. If the ADEQ Director or the ADEQ Director's designee is present, tests may only be stopped with the ADEQ Director's or such designee's approval. If the ADEQ Director or the ADEQ Director's designee is not present, tests may only be stopped for good cause. Good cause includes: forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances beyond the Permittee's control. Termination of any test without good cause after the first run is commenced shall constitute a failure of the test. Supporting documentation, which demonstrates good cause, must be submitted.

[A.A.C. R18-2-306.A.3.c and A.A.C. R18-2-312.F]

**G.** Report of Final Test Results

A written report of the results of performance tests conducted pursuant to 40 CFR 60 or 63 shall be submitted to the ADEQ Director within 60 days after the test is performed. A written report of the results of all other performance tests shall be submitted within 4 weeks after the completion of the testing as specified in the Arizona Testing Manual. All performance testing reports shall be submitted in accordance with the Arizona Testing Manual and A.A.C. R18-2-312.A.

[A.A.C. R18-2-312.A and B]

**H.** Extension of Performance Test Deadline

For performance testing required under Condition XVII.A above, the Permittee may request an extension to a performance test deadline due to a force majeure event as follows:

[A.A.C. R18-2-312.J]

1. If a force majeure event is about to occur, occurs, or has occurred for which the Permittee intends to assert a claim of force majeure, the Permittee shall notify the ADEQ Director in writing as soon as practicable following the date the Permittee first knew, or through due diligence should have known that the event may cause or caused a delay in testing beyond the regulatory deadline. The notification must occur before the performance test deadline unless the initial force majeure or a subsequent force majeure event delays the notice, and in such cases, the notification shall be given as soon as practicable.

[A.A.C. R18-2-312.J.1]

2. The Permittee shall provide to the ADEQ Director a written description of the force majeure event and a rationale for attributing the delay in testing beyond the regulatory deadline to the force majeure, describe the measures taken or to be taken to minimize the delay, and identify a date by which the Permittee proposes to conduct the performance test. The performance test shall be conducted as soon as practicable after the force majeure event occurs.

[A.A.C. R18-2-312.J.2]

3. The decision as to whether or not to grant an extension to the performance test deadline is solely within the discretion of the ADEQ Director. The ADEQ Director shall notify the Permittee in writing of approval or disapproval of the request for an extension as soon as practicable.

[A.A.C. R18-2-312.J.3]

4. Until an extension of the performance test deadline has been approved by the ADEQ Director under Conditions XVII.H.1, 2, and 3 above, the Permittee remains subject to the requirements of Section XVII.

[A.A.C. R18-2-312.J.4]

5. For purposes of this Section XVII, a “force majeure event” means an event that will be or has been caused by circumstances beyond the control of the Permittee, its contractors, or any entity controlled by the Permittee that prevents it from complying with the regulatory requirement to conduct performance tests within the specified timeframe despite the Permittee's best efforts to fulfill the obligation. Examples of such events are acts of nature, acts of war or terrorism, or equipment failure or safety hazard beyond the control of the Permittee.

[A.A.C. R18-2-312.J.5]

## XVIII. PROPERTY RIGHTS

This permit does not convey any property rights of any sort, or any exclusive privilege.

[A.A.C. R18-2-306.A.8.d]

## XIX. SEVERABILITY CLAUSE

The provisions of this permit are severable. In the event of a challenge to any portion of this permit, or if any portion of this permit is held invalid, the remaining permit conditions remain valid and in force.

[A.A.C. R18-2-306.A.7]

## XX. PERMIT SHIELD

**A.** Compliance with the conditions of this permit shall be deemed compliance with all applicable requirements identified in the portions of this permit subtitled "Permit Shield". The permit shield shall not apply to minor revisions pursuant to Condition XV.B of this Attachment and any facility changes without a permit revision pursuant to Condition XVI of this Attachment.

[A.A.C. R18-2-317.F, - 320, and -325]

**B.** Nothing in this permit shall alter or affect the following:

a. The provisions of Section 303 of the Clean Air Act, including the authority of the EPA Region 9 Administrator under that Section;

b. The liability of the facility for any violation of applicable requirements prior to or at the time of permit issuance;

c. The applicable requirements of the acid rain program, consistent with Section -408(a) of the Clean Air Act;

d. The ability of the EPA Region 9 Administrator or the ADEQ Director to obtain information from the facility pursuant to Section 114 of the Clean Air Act, or any provision of state law; and

e. The authority of the ADEQ Director to require compliance with new applicable requirements adopted after the permit is issued.

[A.A.C. R18-2-325.B]

## XXI. PROTECTION OF STRATOSPHERIC OZONE

If this source becomes subject to the provisions of 40 CFR Part 82, then the Permittee shall comply with these provisions accordingly.

[40 CFR Part 82]

## XXII. APPLICABILITY OF NSPS/NESHAP GENERAL PROVISIONS

For all equipment subject to a New Source Performance Standard or a National Emission Standard for Hazardous Air Pollutants, the Permittee shall comply with all applicable requirements contained in Subpart A of Title 40, Chapter 60 and Chapter 63 of the Code of Federal Regulations.

[40 CFR Part 60 and Part 63 Subpart A]

## ATTACHMENT "B": SPECIFIC CONDITIONS

## I. FACILITY-WIDE REQUIREMENTS

**A.** Applicability

This Section is applicable to facility-wide requirements.

**B.** Opacity

1. Instantaneous Surveys and Six-Minute Observations

a. Instantaneous Surveys

Any instantaneous survey required by this permit shall be determined by EPA Reference Method 9 Certified Observer or an observer trained in EPA Reference Method 9.

[A.A.C. R18-2-311.B and -306.A.3.c]

b. Six-Minute Observations

Any six-minute observation required by this permit shall be determined by EPA Reference Method 9.

[A.A.C. R18-2-311.B]

c. The Permittee shall have on site or on call a person certified in EPA Reference Method 9.

[A.A.C. R18-2-306.A.3.c]

2. Monitoring, Recordkeeping, and Reporting Requirements

[A.A.C. R18-2-306.A.3.c]

a. At the frequency specified in the following sections of this permit, the Permittee shall conduct an instantaneous survey of visible emissions from both process stack sources, when in operation, and fugitive dust sources.

b. If the visible emissions on an instantaneous basis appears less than or equal to the applicable opacity standard, then the Permittee shall keep a record of the name of the observer, the date on which the instantaneous survey was made, and the results of the instantaneous survey. If any visible emissions are observed and the observer is not a currently certified Method 9 observer, the observer shall immediately notify the certified Method 9 observer to come take observations. The certified Method 9 observer shall then complete an instantaneous survey and record the results.

c. If the visible emissions on an instantaneous basis appears greater than the applicable opacity standard, then the Permittee shall immediately conduct a six-minute observation of the visible emissions.

(1) If the six-minute observation of the visible emissions is less than or equal to the applicable opacity standard, then the Permittee shall record the name of the observer, the date on which the six-minute observation was made, and the results of the six-minute observation.

(2) If the six-minute observation of the visible emissions is greater than the applicable opacity standard, then the Permittee shall do the following:

(a) Adjust or repair the controls or equipment to reduce opacity to less than or equal to the opacity standard;

(b) Record the name of the observer, the date on which the six-minute observation was made, the results of the six-minute observation, and all corrective action taken; and

(c) Report the event as an excess emission for opacity in accordance with Condition XI.A of Attachment "A".

(d) Conduct another six-minute observation to document the effectiveness of the adjustments or repairs completed.

**C.** Recordkeeping and Reporting Requirements

1. Deviations from the following Attachment "B" permit conditions shall be promptly reported in accordance with Condition XI.B of Attachment "A":

[A.A.C. R18-2-306.A.5.b]

a. Conditions II.D.2.a-c, II.E.2.a-b, II.F.f-g, II.F.u; and

b. Condition III.F.1.

2. The Permittee shall submit reports of all monitoring activities required in Attachment "B" along with the semiannual compliance certification required by Section VII of Attachment "A."

[A.A.C. R18-2-306.A.5.a]

## II. NATURAL GAS TURBINE REQUIREMENTS

**A.** Applicability

This Section applies to the simple-cycle combustion turbine units GT-1 through GT-4 identified in Attachment "C" as subject to 40 CFR 60 Subpart KKKKa for Stationary Combustion Turbines and the requirements of 40 CFR 60 Subpart TTTTa for Greenhouse Gas Emissions for Electric Generating Units. In addition,

this Section incorporates the requirements for General Provisions in 40 CFR 60 Subpart A.

**B.** General Provisions

1. All requests, reports, applications, submittals, and other communications pursuant to this Section shall be submitted in duplicate to the U.S. Environmental Protection Agency (EPA) to the attention of the Director of the Division at Region 9:

   Director, Air Division
   U.S. Environmental Protection Agency
   75 Hawthorne Street
   San Francisco, CA 94105

   [40 CFR 60.4(a)]

2. The Permittee shall comply with the general notification requirements identified in 40 CFR 60.7(a), including, but not limited to:

   a. Notification of the date of construction and installation of each affected facility is commenced postmarked no later than 30 days after such date.

   b. Notification of the actual date of initial startup of each affected facility postmarked within 15 days after such date.

   c. Notification of the date upon which demonstration of the continuous monitoring system performance commences in accordance with 40 CFR 60.13(c) postmarked not less than 30 days prior to such date.

3. The Permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction, any malfunction of the air pollution control equipment, or any periods during which a continuous monitoring system or monitoring device is inoperative.

   [40 CFR 60.7(b)]

4. The Permittee shall submit excess emissions, monitoring systems performance reports, and/or summary report forms on a quarterly basis as required by 40 CFR 60.7(c)(1)-(4) and (d)(1)-(2). The frequency of reporting may be reduced to a semiannual basis in accordance with 40 CFR 60.7(e).

   [40 CFR 60.7(c), (d) and (e)]

5. The Permittee shall maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements, all continuous monitoring system performance evaluations, all continuous monitoring system or monitoring device calibration checks, adjustments and maintenance performed on these systems or devices, and all other information required in a permanent form suitable for inspection. The file shall be retained for at least two (2) years

following the date of such measurements, maintenance, reports, and records, except as provided in 40 CFR 60.7(f)(1) and (2).

[40 CFR 60.7(f)]

6. For the purpose of submitting semiannual compliance certifications or establishing whether or not the Permittee has violated or is in violation of any standard in 40 CFR Part 60, nothing shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether the facility would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed.

[40 CFR 60.11(g)]

7. The Permittee shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission, which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with opacity standard or with a standard, which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

[40 CFR 60.12]

8. The Permittee shall comply with the "General Notification and Reporting Requirements" found in 40 CFR 60.19.

[40 CFR 60.19]

**C.** Fuel Limitation

*The Permittee shall combust only pipeline-quality natural gas in the combustion turbines GT-1 through GT-4.*

[A.A.C. R18-2-306.01 and -331.A.3.a]
[Material Permit Conditions are indicated by underlines and italics]

**D.** Nitrogen Oxides ($NO_X$)

1. Emission Limitations and Standards

a. *The Permittee shall not operate any combustion turbine such that $NO_X$ emissions exceed 30.06 pounds per hour (lb/hr) per combustion turbine.*

[A.A.C. R18-2-334.C.2.c and -331.A.3.a]
[Material Permit Conditions are indicated by underlines and italics]

b. *The total combined emissions of $NO_X$ from combustion turbines, GT-1 through GT-4, shall not exceed 133 tons per year (tpy) calculated on a 365-day rolling basis.*

[A.A.C. R18-2-306.01 and -331.A.3.a]
[Material Permit Conditions are indicated by underlines and italics]

c. The Permittee shall not cause or allow the $NO_X$ emissions to exceed an input-based NOx emissions standard of 42 ppm at 15 percent

oxygen ($O_2$) or 67 ng/J (0.15 lb/MMBtu) each. For purposes of 40 CFR 60, Subpart KKKKa, input-based standards are determined on a 4-operating-hour rolling average basis.

[40 CFR 60.4320a(b)(2) and Table 1 to Subpart KKKKa of Part 60]

2. Air Pollution Control Requirements

a. *At all times when combustion turbines GT-1 through GT-4 are in operation, including during startup, shutdown, and malfunction, the Permittee shall, to the extent practicable, maintain and operate the water injection systems in a manner consistent with good air pollution control practices for minimizing $NO_X$ emissions.*

[40 CFR 60.11(d), 40 CFR 60.4333a(a), and A.A.C. R18-2-331.A.3.e]
[Material Permit Conditions are indicated by underlines and italics]

b. *The Permittee shall install, maintain, and operate a Selective Catalytic Reduction (SCR) system on each combustion turbine while in operation, except during startup, shutdown, or malfunction.*

[A.A.C. R18-2-331.A.3.d]
[Material Permit Conditions are indicated by underlines and italics]

c. *The Permittee shall operate the SCR system within the manufacturer-recommended operating range when each combustion turbine is in operation, except during startup, shutdown, or malfunction.*

[A.A.C. R18-2-331.A.3.e]
[Material Permit Conditions are indicated by underlines and italics]

3. General Compliance Requirements

a. The Permittee shall conduct an initial $NO_X$ performance test in accordance with 40 CFR 60.8 using the applicable methods in 40 CFR 60.4400a or 60.4405a.

[40 CFR 60.4333a(b)]

b. You must meet the applicable $NO_X$ emissions standard in Condition II.D.1.c to your affected facility during all times that the affected facility is operating including periods of startup, shutdown, and malfunction.

[40 CFR 60.4320a(d)]

c. The Permittee shall demonstrate continuous compliance using a continuous emission monitoring system (CEMS) for measuring $NO_X$ emissions from combustion turbines GT-1 through GT-4 per the requirements in 40 CFR 60.4345a.

[40 CFR 60.4333a(c)]

**E.** Carbon Monoxide (CO) and Volatile Organic Compounds (VOCs)

1. Emissions Limitations

a. *The Permittee shall not operate any combustion turbine such that CO emissions exceed 67.87 lb/hr per combustion turbine.*

[A.A.C. R18-2-334.C.2.c and -331.A.3.a]
[Material Permit Conditions are indicated by underlines and italics]

b. *The total combined emissions of CO from combustion turbines, GT-1 through GT-4 shall not exceed 190 tpy calculated on a 365-day rolling basis.*

[A.A.C. R18-2-306.01 and -331.A.3.a]
[Material Permit Conditions are indicated by underlines and italics]

2. Air Pollution Control Equipment

a. *The Permittee shall install an oxidation catalyst when combustion turbines GT-1 through GT-4 are in operation, except during startup, shutdown, or malfunction.*

[A.A.C. R18-2-306.01 and -331.A.3.c]
[Material Permit Conditions are indicated by underlines and italics]

b. *The Permittee shall operate and maintain the oxidation catalyst in a manner consistent with manufacturer specifications and good air pollution control practices for minimizing emissions. The Permittee shall monitor and record, when each combustion turbine is in operation, the oxidation catalyst inlet temperature to demonstrate performance.*

[A.A.C. R18-2-306.01and -331.A.3.d and e]
[Material Permit Conditions are indicated by underlines and italics]

**F.** Monitoring, Recordkeeping, Reporting Requirements

[A.A.C. R18-2-306.A.3, 4, 5, and -312.H.3]

a. For the purpose of compliance demonstration with the $NO_X$ and CO emission limitations in Conditions II.D.1.a-b and II.E.1.a-b, the Permittee shall comply with the monitoring, recordkeeping and reporting requirements in below.

b. For demonstrating compliance with Conditions II.D.1 and II.E.1.a-b, the Permittee shall utilize $NO_X$ and diluent continuous emissions monitoring system (CEMS) required under Condition II.F.f, CO and diluent CEMS required under Condition II.F.u, fuel flow rate monitoring system required under Condition II.F.g, and the hours of turbines' operation recorded under Condition II.b, in conjunction with the CEMS Data Acquisition and Handling System (DAHS), shall calculate the total emissions of $NO_X$ and CO from combustion turbines GT-1 through GT-4 in units of pounds per hour (lb/hr), pounds per day, and tons per 365-day rolling totals.

c. For purposes of compliance with Condition II.D.1.b, the Permittee shall consider the first day the 365-day rolling sum exceeds 133

tons as a single day of excess emissions in determining excess emissions under the 365-day rolling sum basis. The Permittee shall report the excess emissions in compliance with the requirements in Attachment "A", Condition XI.A.

d. For purposes of compliance with Condition II.E.1.b, the Permittee shall consider the first day the 365-day rolling sum exceeds 190 tons as a single day of excess emissions in determining excess emissions under the 365-day rolling sum basis. The Permittee shall report the excess emissions in compliance with the requirements in Attachment "A", Condition XI.A.

e. The Permittee shall maintain the following records in accordance with Section XII of Attachment "A":

(1) CEMS and fuel flow rate monitoring system performance evaluations, calibration checks and adjustments, and maintenance activities;

(2) Oxidation catalyst inlet temperature measurements for each combustion turbine when in operation; and

(3) All records including calculations, reports, and supporting documents.

f. *The Permittee shall install, certify, maintain, and operate a CEMS consisting of a $NO_X$ monitor and a diluent gas (oxygen ($O_2$) or carbon dioxide ($CO_2$)) monitor to determine the hourly average $NO_X$ mass emission rate in parts per million (ppm).*

[40 CFR 60.4345a(a)(1)-(2), A.A.C. R18-2-334.C.2.c and -331.A.3.c]
[Material Permit Conditions are indicated by underlines and italics]

g. *The Permittee shall install, calibrate, maintain,* and operate *either a fuel flow meter or stack flow monitor to continuously measure the heat input to combustion turbine GT-1 through 4. Each fuel flow meter must be installed, calibrated, maintained, and operated according to the manufacturer's instructions. Alternatively, fuel flow meters that meet the installation, certification, and quality assurance requirements in Appendix D to 40 CFR 75 are acceptable for use.*

[40 CFR 60.4345a(a)(4) & (d) and -331.A.3.c]
[Material permit conditions are indicated by underline and italic]

h. The Permittee shall install and certify the $NO_X$ diluent CEMS according to Appendix A for 40 CFR 75. The relative accuracy test audit (RATA) of the CEMS shall be performed on a lb/MMBtu basis.
[40 CFR 60.4345a(b)]

i. During each full operating hour, both the $NO_X$ monitor and the diluent monitor must complete a minimum of one cycle of operation

(sampling, analyzing, and data recording) for each 15-minute quadrant of the hour. For partial operating hours, at least one valid data point must be obtained with each monitor for each quadrant of the hour in which the unit operates. For operating hours in which required quality assurance and maintenance activities are performed on the CEMS, a minimum of two valid data points (one in each of two quadrants) are required for each monitor.

[40 CFR 60.4345a(c)]

j. The Permittee shall maintain records of the SCR monitoring data that demonstrates that the SCR system was operated within manufacturer-recommended operating range during combustion turbine operation. These records shall be made available to ADEQ upon request.

[A.A.C. R18-2-306.A.4]

k. The Permittee shall develop, submit to the EPA Region 9 Administrator for approval, maintain, and adhere to an on-site quality assurance (QA) plan for all of the continuous monitoring equipment used. At a minimum, such a QA plan must address the requirements of 40 CFR 60.13(d), (e), and (h).

[40 CFR 60.4345a(f)]

l. For the purpose of identifying excess emissions:

(1) Excess emissions are defined as the applicable compliance period for the stationary combustion turbine on 4-operating-hours basis, during which the average $NO_X$ emissions from the combustion turbine measured by the CEMS is greater than the applicable maximum allowable $NO_X$ emissions limitation as determined using the procedures specified below.

[40 CFR 60.4350a(a)]

(2) The $NO_X$ CEMS data for each operating hour as measured according to the requirements in 40 CFR 60.4345a must be used to determine the hourly average $NO_X$ emissions. The hourly average for a given operating hour is the average of all data points for the operating hour. However, for any periods during which the $NO_X$, diluent, flow (as applicable) are out-of-control, the data points are not used in determining the hourly average $NO_X$ emissions. All data points that are not collected during out-of-control periods must be used to determine the hourly average $NO_X$ emissions.

[40 CFR 60.4350a(b)]

(3) For each operating hour in which an hourly average is obtained, the data acquisition and handling system must calculate and record the hourly average $NO_X$ emissions in

units of lb/MMBtu or lbs, as applicable, using the appropriate equation from EPA Method 19 in Appendix A-7 of 40 CFR Part 60. For any hour in which the hourly average $O_2$ concentration exceeds 19.0 percent $O_2$ (or the hourly average $CO_2$ concentration is less than 1.0 percent $CO_2$), a diluent cap value of 19.0 percent $O_2$ or 1.0 percent $CO_2$ (as applicable) may be used in the emission calculations.

[40 CFR 60.4350a(c)]

(4) Data used to meet the requirements of NSPS Subpart KKKKa shall not include substitute data values derived from the missing data procedures of part 75 of this chapter, nor shall the data be bias adjusted according to the procedures of part 75.

[40 CFR 60.4350a(d)]

(5) All required fuel flow rate must be reduced to hourly averages. However, for any periods during which the flow monitors (as applicable) are out-of-control, the data points are not used in determining the appropriate hourly average value.

[40 CFR 60.4350a(e)]

(6) Calculate the hourly average $NO_X$ emissions rate, in units of the emissions standard under 40 CFR 60.4320a, using ppm rates for the combustion turbines GT-1 through GT-4.

[40 CFR 60.4350a(f)]

m. For purposes of complying with the emissions limits in Conditions II.D.1.a and II.D.1.b, during CEMS or fuel flow rate monitoring system downtime, the Permittee shall implement the missing data procedures in 40 CFR Part 75 Subpart D, Appendix C, and Appendix D, as applicable.

[A.A.C. R18-2-306.A.3.c]

n. The Permittee shall submit reports of excess emissions and monitor downtime, in accordance with 40 CFR 60.7(c). Excess emissions must be reported for all periods of unit operation, including start-up, shutdown, and malfunction.

[40 CFR 60.4375a(a)]

o. Within 60 days after the date of completing each performance test or CEMS performance evaluation that includes a relative accuracy test audit (RATA), the Permittee shall submit the results following the procedures specified in Condition II.F.q below. The Permittee shall submit the report in a file format generated using the EPA's Electronic Reporting Tool (ERT). Alternatively, the Permittee may submit an electronic file consistent with the extensible markup language (XML) schema listed on the EPA's ERT website (https://www.epa.gov/electronic-reporting-air-emissions/electronic-

reporting-tool-ert) accompanied by the other information required by 40 CFR 60.8(f)(2) in PDF format.

[40 CFR 60.4375a(e)]

p. The Permittee shall submit to the EPA Region 9 Administrator semiannual reports of the following recorded information. Beginning on January 15, 2027, or once the report template for 40 CFR Part 60 Subpart KKKKa has been available on the Compliance and Emissions Data Reporting Interface (CEDRI) website (https://www.epa.gov/electronic-reporting-air-emissions/cedri) for one year, whichever date is later, submit all subsequent reports using the appropriate electronic report template on the CEDRI website for 40 CFR Part 60 Subpart KKKKa and following the procedure specified in Condition II.F.q. The date report templates become available will be listed on the CEDRI website. All reports required under 40 CFR 60.7(c) must be electronically submitted via CEDRI by the 30th day following the end of each 6-month period. Unless the EPA Region 9 Administrator has approved a different schedule for submission of reports, the report must be submitted by the deadline specified in 40 CFR 60 Subpart KKKKa, regardless of the method in which the report is submitted.

[40 CFR 60.4375a(f) and 60.4395a]

q. If the Permittee is required to submit notifications or reports following the procedure specified in this Condition, the Permittee shall submit notifications or reports to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI) which can be accessed through the EPA's Central Data Exchange (CDX) (https://cdx.epa.gov/). The EPA will make all the information submitted through CEDRI available to the public without further notice to the Permittee. Do not use CEDRI to submit information you claim as CBI. Although EPA does not expect facilities to assert a claim of CBI, if the Permittee wishes to assert a CBI claim for some of the information in the report or notification, the Permittee shall submit a complete file in the format specified, including information claimed to be CBI, to the EPA following the procedures in Conditions II.F.q(1) and (2). Clearly mark the part or all of the information that is claimed to be CBI. Information not marked as CBI may be authorized for public release without prior notice. Information marked as CBI will not be disclosed except in accordance with procedures set forth in 40 CFR 2. All CBI claims must be asserted at the time of submission. Anything submitted using CEDRI cannot later be claimed CBI. Furthermore, under Clean Air Act Section 114(c), emissions data is not entitled to confidential treatment, and the EPA is required to make emissions data available to the public. Thus, emissions data will not be protected as CBI and will be made publicly available. The Permittee shall submit the same file submitted to the CBI office with the CBI omitted to the EPA via the EPA's CDX as described earlier in this Condition.

[40 CFR 60.4375a(g)]

(1) The preferred method to receive CBI is for it to be transmitted electronically using email attachments, File Transfer Protocol, or other online file sharing services. Electronic submissions must be transmitted directly to the OAQPS CBI Office at the email address oaqps_cbi@epa.gov, and as described above, should include clear CBI markings. ERT files should be flagged to the attention of the Group Leader, Measurement Policy Group; all other files should be flagged to the attention of the Stationary Combustion Turbine Sector Lead. If assistance is needed with submitting large electronic files that exceed the file size limit for email attachments, and if the Permittee does not have their own file sharing service, the Permittee shall email oaqps_cbi@epa.gov to request a file transfer link.

[40 CFR 60.4375a(g)(1)]

(2) If the Permittee cannot transmit the file electronically, the Permittee shall send CBI information through the postal service to the following address: U.S. EPA, Attn: OAQPS Document Control Officer, Mail Drop: C404-02, 109 T.W. Alexander Drive, P.O. Box 12055, RTP, NC 27711. In addition to the OAQPS Document Control Officer, ERT files should also be sent to the attention of the Group Leader, Measurement Policy Group, and all other files should also be sent to the attention of the Stationary Combustion Turbine Sector Lead. The mailed CBI material should be double wrapped and clearly marked. Any CBI markings should not show through the outer envelope.

[40 CFR 60.4375a(g)(2)]

r. If the Permittee is required to electronically submit a report through CEDRI in the EPA's CDX, the Permittee may assert a claim of EPA system outage for failure to timely comply with that reporting requirement. To assert a claim of EPA system outage, the Permittee shall meet the requirements outlined in 40 CFR 60.4375a(h)(1) through 40 CFR 60.4375a(h)(7).

[40 CFR 60.4375a(h)]

s. If the Permittee is required to electronically submit a report through CEDRI in the EPA's CDX, the Permittee may assert a claim of force majeure for failure to timely comply with that reporting requirement. To assert a claim of force majeure, the Permittee shall meet the requirements outlined in 40 CFR 60.4375a(i)(1) through 40 CFR 60.4375a(i)(5).

[40 CFR 60.4375a(i)]

t. For reports required under Condition II.F.n, periods of excess emissions and monitor downtime for combustion turbines GT-1

through GT-4 using CEMS, excess emissions must be reported as follows:

(1) An excess emission that must be reported is any unit operating period in which the 4-operating-hour average $NO_X$ emission rate exceeds the emission limitation in Condition II.D.1.c.

[40 CFR 60.4380a(b)(1)]

(2) A period of monitor downtime that must be reported is any operating hour in which the data for any of the parameters that are used to calculate the emission rate, as applicable, used to determine compliance, are either missing or out-of-control: $NO_X$ concentration, $CO_2$ or $O_2$ concentration, stack flow rate. The Permittee is only required to monitor parameters used for compliance purposes.

[40 CFR 60.4380a(b)(2)]

u. *The Permittee shall install, certify,* maintain, and operate *a CEMS consisting of a CO monitor and a diluent (oxygen ($O_2$) or $CO_2$)) monitor for measuring CO emissions to demonstrate compliance with Condition II.E.1.*

[A.A.C. R18-2-306.A.3 and -331.A.3.a]
[Material Permit Conditions are indicated by underlines and italics]

v. The CO CEMS shall meet all applicable requirements of 40 CFR 60, including but not limited to the following:

[A.A.C. R18-2-306.A.3]

(1) 60.13 – Monitoring Requirements;

(2) Appendix B – Performance Specification 4A; and

(3) Appendix F – Quality Assurance Procedures.

w. For purposes of complying with the emissions limits in Conditions II.E.1.a and II.E.1.b, during CEMS or fuel flow rate monitoring system downtime, the Permittee shall implement the missing data procedures in 40 CFR Part 75 Subpart D, Appendix C, and Appendix D, as applicable.

[A.A.C. R18-2-306.A.3.c]

2. Permit Shield

Compliance with the Conditions of this Section shall be deemed compliance with 40 CFR 60.4320a(a), -60.4333a(a)-(c), -60.4345a(a)(1)-(2), -60.4345a(a)(4), -60.4345a(b)-(d), -60.4345a(f), -60.4350a, -60.4375a(a), -60.4375a(e)-(i), 60.4380a(b)(1)-(2), and -60.4395a.

[A.A.C. R18-2-325]

**G.** Sulfur Dioxide ($SO_2$)

1. Emissions Limitations

a. The Permittee shall not discharge from combustion turbines GT-1 through GT-4 any gases that contain $SO_2$ in excess of 26 ng $SO_2$/J (0.060 lb $SO_2$/MMBtu) heat input.

[40 CFR 60.4330a(a)(2) and 40 CFR 60.4372a(e)(1)]

b. *The Permittee shall combust pipeline-quality natural gas in combustion turbines GT-1 through GT-4 containing 0.5 grains or less of total sulfur per 100 standard cubic feet.*

[A.A.C. R18-2-306.01 and -331.A.3.a]
[Material Permit Conditions are indicated by italics and underlines]

2. Compliance Requirement

The Permittee shall demonstrate that the fuel burned in combustion turbines GT-1 through GT-4 is in compliance with Conditions II.G.1.a and II.G.1.b of Attachment B. The Permittee shall conduct an initial $SO_2$ performance test in accordance with 40 CFR 60.8 using the applicable methods in 40 CFR 60.4415a. Thereafter, the Permittee shall maintain records such as a current, valid purchase contract, tariff sheet, or transportation contract documenting that total sulfur content for the initial and subsequent fuel combusted in combustion turbines GT-1 through GT-4 at all times does not exceed applicable conditions specified above.

[40 CFR 60.4333a(d)(3) and A.A.C. R18-2-306.01.B.2]

3. Monitoring, Recordkeeping, and Reporting Requirements

a. The Permittee shall maintain on-site records such as a current, valid purchase contract, tariff sheet, or transportation contract to demonstrate compliance with the $SO_2$ emission limitation in Condition II.G.1.

[40 CFR 60.4372a(a)-(b) & e]

b. The Permittee shall maintain these records for a minimum of 5 years and make such records available to ADEQ upon request.

[A.A.C. R18-2-306.A.4]

c. For the purpose of identifying excess emissions:

Excess emissions are defined as any period during which the Permittee combusts in combustion turbines GT-1 through GT-4 a fuel for which the Permittee does not have appropriate fuel records or which contains sulfur greater than the standard above.

[40 CFR 60.4385a(b)]

4. Permit Shield

Compliance with the Conditions of this Section shall be deemed compliance with 40 CFR 60.4330a(a)(2), -60.4333a(d)(2), -60.4360a(a), -60.4370a(a)(1)-(2), -60.4385a(a)(1)-(2), -60.4390a, and -60.4385a(a)(3).

[A.A.C. R18-2-325]

**H.** Particulate Matter (PM)

1. Emissions Limitations

a. *The Permittee shall not operate any combustion turbine such that* $PM_{10}/PM_{2.5}$ *emissions exceed 4.08 lb/hr per combustion turbine.*

[A.A.C. R18-2-334.C.2.c and -331.A.3.a]
[Material Permit Conditions are indicated by underlines and italics]

b. *The total combined particulate matter emissions of* $PM_{10}/PM_{2.5}$ *from the combustion turbines, GT-1 through GT-4, shall not exceed 72 tpy calculated on a 365-day rolling basis.*

[A.A.C. R18-2-306.01, -334.C.2.c and -331.A.3.a]
[Material Permit Conditions are indicated by underlines and italics]

2. Performance Testing Requirements

a. Within 60 days of achieving maximum production after the issuance of Permit No. 110023, but no later than 180 days after the initial startup, whichever occurs first, the Permittee shall conduct a performance test on combustion turbines GT-1 through GT-4 for $PM_{10}$ using EPA Method 201A and Method 202, or Method 5 and Method 202 treating all catch from Method 5 as PM = $PM_{10}$ = $PM_{2.5}$. The performance test shall be conducted with three (3) runs at the maximum achieved load, where load percent is defined as the gross Megawatts (MW) generated during the run divided by the generator nameplate capacity for the run period. Each run shall last at least one hour. The Permittee shall record the heat input, in MMBtu/hr, and the energy output, in gross MW, during each run. The performance test report shall set forth the load, in percent, and $PM_{10}$ emissions in lbs/hr to demonstrate compliance with the emissions limitation in Condition II.H.1.a above.

b. Within 60 days of achieving maximum production after the issuance of Permit No. 110023, but no later than 180 days after the initial startup, whichever occurs first, the Permittee shall conduct a performance test on combustion turbines GT-1 through GT-4 for particulate matter emissions using EPA Method 201A and Method 202. The performance test shall be conducted with at least one (1) run at approximately 50% load and one (1) run at approximately 80% load, where load percent is defined as the gross Megawatts (MW) generated during the run divided by the generator nameplate capacity for the run period. Each run shall last at least one hour. The Permittee shall record the heat input, in MMBtu/hr, and the energy output, in gross MW, during each run. The performance test report shall set forth the load, in percent, $PM_{10}$ emissions in lbs/hr and lbs/MMBtu for $PM_{10}$, the emissions from each run (or group of runs) at 50% and 80%. The report shall calculate and report the follow emission factors for $PM_{10}$:

[A.A.C. R18-2-312]

(1) For low load (any load less than 50%), the emission factor shall be the 50% test value in lb/MMBtu;

(2) For medium load (any load of 50% or greater, but less than 80%), the emission factor shall be the average of the 50% and 80% test values in lb/MMBtu;

(3) For moderate load (any load of 80% or greater, but less than the maximum achieved load), the emission factor shall be the average of the 80% and maximum achieved load test values in lb/MMBtu; and

(4) For high load (any load at or above the maximum achieved load), the emission factor shall be the maximum achieved load test value in lb/MMBtu as required in Condition II.H.2.a.

c. The Permittee shall retest combustion turbines GT-1 through GT-4 in the first quarter of every year in accordance with Conditions II.H.2.a and II.H.2.b.

[A.A.C. R18-2-312]

3. Compliance Demonstration Requirements

a. Within five (5) working days of the close of each calendar month, the Permittee shall calculate $PM_{10}/PM_{2.5}$ emissions from combustion turbines GT-1 through GT-4 according to the following procedures:

[A.A.C. R18-2-306.A.3.c]

(1) For each unit and each operating hour, the Permittee shall calculate hourly emissions of $PM_{10}/PM_{2.5}$ utilizing the emission factor from the most recent approved performance test based on the peak load measured during that operating hour:

[A.A.C. R18-2-306.A.3.c]

(a) For low load, use the heat input during that operating hour in MMBtu, multiplied by the $PM_{10}/PM_{2.5}$ emission factors in lb/MMBtu calculated in Condition II.H.2.b(1), to calculate the pounds of $PM_{10}/PM_{2.5}$ for that hour.

(b) For medium load, use the heat input during that operating hour in MMBtu, multiplied by the $PM_{10}/PM_{2.5}$ emission factors in lb/MMBtu calculated in Condition II.H.2.b(2), to calculate the pounds of $PM_{10}/PM_{2.5}$ for that hour.

(c) For moderate load, use the heat input during that operating hour in MMBtu, multiplied by the $PM_{10}$ emission factors in lb/MMBtu calculated in Condition II.H.2.b(3), to calculate the pounds of $PM_{10}/PM_{2.5}$ for that hour.

(d) For high load, use the heat input during that operating hour in MMBtu, multiplied by the $PM_{10}/PM_{2.5}$ emission factors in lb/MMBtu calculated in Condition II.H.2.b(4), to calculate the pounds of $PM_{10}/PM_{2.5}$ for that hour.

(e) If a startup, shutdown or both occurred in any operating hour, substitute the higher of the most recent approved highest performance test run value for that unit, in pounds, or 4.08 pounds for that operating hour in lieu of a lower hourly value calculated pursuant to Condition II.H.2.b(1) through (4).

(f) Until the performance test required by Condition II.H.2.a occurs, the Permittee shall use a value of 0.0085 lb $PM_{10}/PM_{2.5}$ per MMBtu of heat input for the test result in each load range, except that any operating hour with a startup, shutdown, or both shall use 4.08 pounds for that operating hour; provided that, if the approved initial stack test for that unit exceeds 0.0085 lb $PM_{10}/PM_{2.5}$ per MMBtu of heat input for any load range, the Permittee shall recalculate compliance for such range(s) from initial startup until the initial performance test using the higher stack test values.

(2) For each calendar month, the monthly emissions of $PM_{10}$ for each unit shall be calculated by summing all of the operating hour emissions of $PM_{10}$ calculated for that unit in accordance with the procedures in Conditions II.H.3.a(1)(a) through (f), and shall be converted to tons of $PM_{10}$ per month by dividing by 2,000.

[A.A.C. R18-2-306.A.3.c]

(3) The 12-month rolling emissions of $PM_{10}$ for each unit shall be calculated as the sum of the most recently calculated calendar month and the prior 11 calendar months, in tons. The Permittee shall sum the 12-month rolling total emissions of $PM_{10}$ for combustion turbines GT-1 through GT-4 in order to demonstrate compliance with the emissions limitation in Condition II.H.1.b above.

[A.A.C. R18-2-306.A.3.c]

**I.** Carbon Dioxide ($CO_2$)

1. The Permittee shall operate combustion turbines GT-1 through GT-4 such that each unit is not subject to the requirements for Base Load Combustion Turbines under 40 CFR 60.5520a(a) and Table 1 to Subpart TTTTa of Part 60. The Permittee shall comply with either the requirements for the Low Load Combustion Turbine Category or the requirements for the Intermediate Load Combustion Turbine Category below, as applicable. Low Load Combustion Turbine Requirements

   a. Emissions Limitations and Standards

      (1) For combustion turbines that supply 20 percent or less of its potential electric output as net-electric sales on both a 12-month operating and a 3-year rolling average basis, the Permittee shall not discharge any gases that contain $CO_2$ in excess of 120 lb/MMBtu as determined by the procedures in 40 CFR 60.5525a.

      [40 CFR 60.5520a(a) and Table 1 to Subpart TTTTa of Part 60]

      (2) The Permittee shall only burn pipeline-quality natural gas with consistent chemical composition that results in a consistent emission rate of 160 lb $CO_2$/MMBtu or less in combustion turbines GT-1 through GT-4.

      [40 CFR 60.5520a(d)(1) and A.A.C. R18-2-306.01.A]

   b. Recordkeeping Requirement

      The Permittee shall maintain purchase records of the fuel burned.

      [40 CFR 60.5520a(d)(1), -5525a and -5535a]

   c. Permit Shield

      Compliance with the Conditions of the Section shall be deemed compliance with 40 CFR 60.5520a(a), -5520a(d)(1), -5525a, and -5535a.

      [A.A.C. R18-2-325]

2. Intermediate Load Combustion Turbine Requirements

   a. Emissions Limitations and Standards

      (1) For combustion turbines that supply more than 20 percent but less than or equal to 40 percent of its potential electric output as net-electric sales on both a 12-month operating and a 3-year rolling average basis, the Permittee shall not discharge any gases that contain $CO_2$ in excess of 1,170 lb per MWh of gross energy output as determined by the procedures in 40 CFR 60.5525a.

      [40 CFR 60.5520a(a) and Table 1 to Subpart TTTTa of Part 60]

(2) At all times, the Permittee shall operate and maintain each combustion turbine, including associated equipment and monitors, in a manner consistent with safety and good air pollution control practice. The EPA Region 9 Administrator will determine if the Permittee is using consistent operation and maintenance procedures based on information available to the EPA Region 9 Administrator that may include, but is not limited to, fuel use records, monitoring results, review of operation and maintenance procedures and records, review of reports required by this subpart, and inspection of the combustion turbine.

[40 CFR 60.5525a(b)]

b. Monitoring Requirements

(1) For each combustion turbine, the Permittee shall determine compliance monthly by calculating the average $CO_2$ emissions rate at the end of the initial and each subsequent 12-month operating basis.

[40 CFR 60.5525a(a)(1)]

(2) Within 30 days after the end of the initial compliance period (i.e., no more than 30 days after the first 12-month operating compliance period), the Permittee shall make an initial compliance determination of the combustion turbines with respect to the applicable emission limitations and standards in Condition II.I.2.a above, in accordance with the requirements in 40 CFR 60 Subpart TTTTa. The first operating month included in the initial 12-month operating compliance basis shall be the first operating month after the calendar month in which emissions reporting is required to begin under Condition II.I.2.b(2)(a) below.

[40 CFR 60.5525a(c)(1)]

(a) Emissions of $CO_2$ emitted and the output of the facility generated when it operated during a system emergency as defined in 40 CFR 60.5580a are excluded for both applicability and compliance with the relevant standards of performance if the Permittee can sufficiently provide the documentation listed in Condition II.I.2.e(9). During these scenarios, the Permittee shall comply with the low load combustion turbines emission standard in Condition II.I.1 above.

[40 CFR 60.5525a(c)(3)(i)]

(3) The Permittee shall determine the hourly $CO_2$ mass emissions in kg from the combustion turbines according to the following requirements:

[40 CFR 60.5535a(b)]

(a) Install, certify, operate, maintain, and calibrate a $CO_2$ CEMS to directly measure and record hourly average $CO_2$ concentrations in the affected stationary combustion turbine exhaust gases emitted to the atmosphere, and a flow monitoring system to measure hourly average stack gas flow rates, according to 40 CFR 75.10(a)(3)(i). As an alternative to direct measurement of $CO_2$ concentration, use data from a certified oxygen ($O_2$) monitor to calculate hourly average $CO_2$ concentrations, in accordance with 40 CFR 75.10(a)(3)(iii). If the Permittee measures $CO_2$ concentration on a dry basis, the Permittee must also install, certify, operate, maintain, and calibrate a continuous moisture monitoring system, according to 40 CFR 75.11(b). Alternatively, the Permittee may either use an appropriate fuel-specific default moisture value from 40 CFR 75.11(b) or submit a petition to the U.S. EPA Region 9 Administrator under 40 CFR 75.66 for a site-specific default moisture value.

[40 CFR 60.5535a(b)(1)]

(b) For each continuous monitoring system used to determine the $CO_2$ mass emissions, the Permittee shall meet the applicable certification and quality assurance procedures in 40 CFR 75.20 and Appendices A and B to 40 CFR part 75.

[40 CFR 60.5535a(b)(2) and A.A.C. R18-2-331.A.3.c]

(c) The Permittee shall use only unadjusted exhaust gas volumetric flow rates to determine the hourly $CO_2$ mass emissions rate from the affected stationary combustion turbines; the Permittee shall not apply the bias adjustment factors described in Section 7.6.5 of Appendix A to 40 CFR 75 to the exhaust gas flow rate data.

[40 CFR 60.5535a(b)(3)]

(d) The Permittee shall select an appropriate reference method to setup (characterize) the flow monitor and to perform the on-going RATAs, in accordance with 40 CFR 75. If the Permittee uses a Type-S pitot tube or a pitot tube assembly for the flow RATAs, the Permittee shall calibrate the pitot tube or pitot tube assembly; the Permittee shall not use the 0.84 default Type-S pitot tube coefficient specified in Method 2.

[40 CFR 60.5535a(b)(4)]

(e) Calculate the hourly $CO_2$ mass emissions (kg) as described below. Perform this calculation only for "valid operating hours", as defined in 40 CFR 60.5540(a)(1).

[40 CFR 60.5535a(b)(5)]

(i) Begin with the hourly $CO_2$ mass emission rate (tons/h), obtained either from Equation F-11 in Appendix F to 40 CFR 75 (if $CO_2$ concentration is measured on a wet basis), or by following the procedure in section 4.2 of Appendix F to 40 CFR 75 (if $CO_2$ concentration is measured on a dry basis).

(ii) Next, multiply each hourly $CO_2$ mass emission rate by the combustion turbine or stack operating time in hours (as defined in 40 CFR 72.2), to convert it to tons of $CO_2$.

(iii) Finally, multiply the result from Condition II.I.2.b(3)(e)(ii) by 907.2 to convert it from tons of $CO_2$ to kg. Round off to the nearest kg.

(iv) The hourly $CO_2$ tons/h values and combustion turbine (or stack) operating times used to calculate $CO_2$ mass emissions are required to be recorded under 40 CFR 75.57(e) and must be reported electronically under 40 CFR 75.64(a)(6). The Permittee shall use these data to calculate the hourly $CO_2$ mass emissions.

(4) As an alternative to complying with Condition II.I.2.b(3)II.I.2.b(3) above, the Permittee may determine the hourly $CO_2$ mass emissions as described below:

[40 CFR 60.5535a(c)]

(a) The Permittee shall implement the applicable procedures in Appendix D to 40 CFR 75 to determine hourly combustion turbine heat input rates (MMBtu/h), based on hourly measurements of fuel flow rate and periodic determinations of the gross calorific value (GCV) of each fuel combusted.

(b) For each measured hourly heat input rate, use Equation G-4 in Appendix G to 40 CFR 75 to calculate the hourly $CO_2$ mass emission rate (tons/h). The Permittee may determine site-specific

carbon-based F-factors (Fc) using Equation F-7b in Section 3.3.6 of Appendix F to 40 CFR 75, and the Permittee may use these Fc values in the emissions calculations instead of using the default Fc values in the Equation G-4 nomenclature.

(c) For each "valid operating hour" (as defined in 40 CFR 60.5540(a)(1)), multiply the hourly tons/h $CO_2$ mass emission rate from Condition II.I.2.b(4)(b) by the combustion turbine or stack operating time in hours (as defined in 40 CFR 72.2), to convert it to tons of $CO_2$. Then, multiply the result by 907.2 to convert from tons of $CO_2$ to kg. Round off to the nearest two significant figures.

(d) The hourly $CO_2$ tons/h values and combustion turbine (or stack) operating times used to calculate $CO_2$ mass emissions are required to be recorded under 40 CFR 75.57(e) and must be reported electronically under 40 CFR 75.64(a)(6). The Permittee shall use these data to calculate the hourly $CO_2$ mass emissions.

(5) The Permittee shall install, calibrate, maintain, and operate a sufficient number of watt meters to continuously measure and record the hourly gross electric output or net electric output, as applicable, from the combustion turbines. These measurements must be performed using 0.2 class electricity metering instrumentation and calibration procedures as specified under ANSI No. C12.20-2010 (incorporated by reference, see 40 CFR 60.17).

[40 CFR 60.5535a(d)(1)]

c. General Requirements

(1) For the initial and each subsequent 12-month operating average compliance basis, the Permittee shall follow the procedures in 40 CFR 60.5540a(a)(1) through (8) of 40 CFR 60 Subpart TTTTa to calculate the $CO_2$ mass emissions rate for the combustion turbines in units of the applicable emissions standard (e.g., either kg/MWh or kg/GJ). The Permittee shall use the hourly $CO_2$ mass emissions calculated under Conditions II.I.2.b(3) or (4), as applicable, and the generating load data from Condition II.I.2.b(5).

[40 CFR 60.5540a(a)]

(2) To demonstrate compliance with the applicable $CO_2$ emission standard, for the initial and each subsequent 12-month operating compliance basis, the $CO_2$ mass emissions rate for the combustion turbines must be determined

according to the procedures specified in 40 CFR 60.5540a(a)(1) through (8) of 40 CFR 60 Subpart TTTTa and must be less than or equal to the applicable $CO_2$ emissions standard.

[40 CFR 60.5540a(b)]

d. Reporting Requirements

(1) The Permittee shall prepare and submit notifications specified in 40 CFR 60.5550a(a), Table 3 to 40 CFR 60 Subpart TTTTa, and 40 CFR 75.61, as applicable.

[40 CFR 60.5550a(a)-(b)]

(2) The Permittee shall prepare and submit reports according to the following requirements:

(a) The Permittee shall submit quarterly reports as follows. After accumulating the first 12 months of operation for combustion turbines, the Permittee shall submit a report for the calendar quarter that includes the twelfth operating month no later than 30 days after the end of that quarter. Thereafter, the Permittee shall submit a report for each subsequent calendar quarter, no later than 30 days after the end of each quarter.

[40 CFR 60.5555a(a)(1)]

(b) Each quarterly report shall contain the following information:

[40 CFR 60.5555a(a)(2)]

(i) Each rolling average $CO_2$ mass emissions rate for which the last (twelfth) operating month in a 12-month operating compliance basis falls within the calendar quarter. The Permittee shall calculate each average $CO_2$ mass emissions rate for the compliance period according to the procedures in 40 CFR 60.5540a. The Permittee shall report the dates (month and year) of the first and twelfth operating months in each compliance period for which the $CO_2$ mass emissions rate was calculated. If there are no compliance periods that end in the quarter, the Permittee shall include a statement to that effect;

(ii) If one or more compliance periods end in the quarter, the Permittee identify each operating month in the calendar quarter

where the EGU violated the applicable $CO_2$ emission standard;

(iii) If one or more compliance periods end in the quarter and there are no violations for the combustion turbines, the Permittee shall include a statement indicating this in the report;

(iv) The percentage of valid operating hours in each 12-month operating compliance basis (i.e., the total number of valid operating hours (as defined in 40 CFR 60.5540a(a)(1)) in that period divided by the total number of operating hours in that period, multiplied by 100 percent);

(v) The $CO_2$ emissions standard with which the combustion turbines must comply; and

(vi) An indication whether or not the hourly gross or net energy output ($P_{gross/net}$) values used in the compliance determinations are based solely upon gross electrical load.

(c) In the final quarterly report of each calendar year, the Permittee shall include the following:
[40 CFR 60.5555a(a)(3)]

(i) Gross energy output or net energy output sold to an electric grid, as applicable to the units of the emission standard, over the four quarters of the calendar year; and

(ii) The potential electric output of the combustion turbines.

(3) The Permittee shall submit all electronic reports using the Emissions Collection and Monitoring Plan System (ECMPS) Client Tool provided by the Clean Air Markets Division in the Office of Atmospheric Programs of EPA.
[40 CFR 60.5555a(b)]

(4) Acid Rain Program Reporting Requirements

(a) The Permittee shall meet all applicable reporting requirements and submit reports as required under 40 CFR 75 Subpart G, as applicable.
[40 CFR 60.5555a(c)(1)]

(b) For all newly-constructed combustion turbines that are also subject to the Acid Rain Program, the Permittee shall begin submitting the quarterly electronic emissions reports described in Condition II.I.2.d(4)(a) in accordance with 40 CFR 75.64(a), i.e., beginning with data recorded on and after the earlier of:

[40 CFR 60.5555a(c)(3)(i)]

(i) The date of provisional certification, as defined in 40 CFR 75.20(a)(3); or

(ii) 180 days after the date on which the combustion turbines commence commercial operation (as defined in 40 CFR 72.2).

(c) If any required monitoring system has not been provisionally certified by the applicable date on which emissions data reporting is required to begin under Condition II.I.2.d(4)(b), the maximum (or in some cases, minimum) potential value for the parameter measured by the monitoring system shall be reported until the required certification testing is successfully completed, in accordance with 40 CFR 75.4(j), 40 CFR 75.37(b), or Section 2.4 of Appendix D to 40 CFR 75 (as applicable). Operating hours in which $CO_2$ mass emission rates are calculated using maximum potential values are not "valid operating hours" (as defined in 40 CFR 60.5540(a)(1)), and shall not be used in the compliance determinations under 40 CFR 60.5540.

[40 CFR 60.5555a(c)(4)]

(d) For combustion turbines subject to the Acid Rain Program, the reports required under Conditions II.I.2.d(1) and II.I.2.d(4)(a) shall be submitted by:

[40 CFR 60.5555a(d)]

(i) The person appointed as the Designated Representative (DR) under 40 CFR 72.20; or

(ii) The person appointed as the Alternate Designated Representative (ADR) under 40 CFR 72.22; or

(iii) A person (or persons) authorized by the DR or ADR under 40 CFR 72.26 to make the required submissions.

e. Recordkeeping Requirements

(1) The Permittee shall maintain records of the information used to demonstrate compliance with 40 CFR 60 Subpart TTTTa as specified in 40 CFR 60.7(b) and (f).

[40 CFR 60.5560a(a)]

(2) For combustion turbines subject to the Acid Rain Program, the Permittee shall follow the applicable recordkeeping requirements and maintain records as required under 40 CFR 75 Subpart F.

[40 CFR 60.5560a(b)(1)]

(3) The Permittee shall keep records of the calculations performed to determine the hourly and total $CO_2$ mass emissions (tons) for:

[40 CFR 60.5560a(c)]

(a) Each operating month (for the combustion turbines); and

(b) Each compliance period, including, each 12-month operating compliance basis.

(4) The Permittee shall keep records of the applicable data recorded and calculations performed that were used to determine the combustion turbines' gross or net energy output for each operating month.

[40 CFR 60.5560a(d)]

(5) The Permittee shall keep records of the calculations performed to determine the percentage of valid $CO_2$ mass emission rates in each compliance period.

[40 CFR 60.5560a(e)]

(6) The Permittee shall keep records of the calculations performed to assess compliance with each applicable $CO_2$ mass emissions standard.

[40 CFR 60.5560a(f)]

(7) The Permittee shall keep records of the calculations performed to determine any site-specific carbon-based F-factors used in the emissions calculations (if applicable).

[40 CFR 60.5560a(g)]

(8) The Permittee shall keep records of electric sales to determine the applicable subcategory.

[40 CFR 60.5560a(h)]

(9) The Permittee shall keep the records during a system emergency.

[40 CFR 60.5560a(i)]

(a) Documentation that the system emergency to which the combustions turbines was responding was in effect from the entity issuing the alert and documentation of the exact duration of the system emergency;

[40 CFR 60.5560a(i)(1)]

(b) Documentation from the entity issuing the alert that the system emergency included the affected source/region where the facility was located; and

[40 CFR 60.5560a(i)(2)]

(c) Documentation that the facility was instructed to increase output beyond the planned day-ahead or other near-term expected output and/or was asked to remain in operation outside its scheduled dispatch during emergency conditions from a Reliability Coordinator, Balancing Authority, or Independent System Operator/Regional Transmission Organization.

[40 CFR 60.5560a(i)(3)]

(10) Records shall be in a form suitable and readily available for expeditious review.

[40 CFR 60.5565a(a)]

(11) The Permittee shall maintain each record for five (5) years after the date of conclusion of each compliance period.

[40 CFR 60.5565a(b)]

(12) The Permittee shall maintain each record on site for at least two (2) years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 60.7. Records that are accessible from a central location by a computer or other means that instantly provide access at the site meet this requirement. The Permittee may maintain the records off site for the remaining year(s) as required above.

[40 CFR 60.5565a(c)]

f. Permit Shield

Compliance with the Conditions of this Section shall be deemed compliance with the requirements of 40 CFR 60.5520a(a), 60.5525a(a)-(b), 60.5525a(c)(1)-(3), 60.5535a(b)(1)-(5), 60.5535a(c), 60.5535a(d)(1), 60.5540a(a)-(b), 60.5550a(a)-(b), 60.5555a(a)(1)-(3), 60.5555a(b)-(d), 60.5560a(a)-(i) 60.5565a(a)-(b), and 60.5565a(c).

[A.A.C. R18-2-325]

## III. EMERGENCY GENERATOR REQUIREMENTS

**A.** Applicability

This Section applies to the Emergency Diesel Generator (EGEN) and Fire Pump Engine (FPEN) identified in the equipment list in Attachment "C". These are subject to 40 CFR 60 Subpart IIII for Stationary Compression Ignition (CI) Internal Combustion Engines (ICEs). They are also subject to 40 CFR 63 Subpart ZZZZ for Stationary Reciprocating ICEs. Pursuant to 40 CFR 63.6590(c)(1), compliance with the requirements of 40 CFR 60 Subpart IIII satisfies the applicable requirements of Subpart ZZZZ.

**B.** Fuel Requirements

The Permittee shall use diesel fuel that meets the following requirements:
[40 CFR 60.4207(b)]

1. Sulfur content – maximum 15 ppm; and
[40 CFR 1090.305(b)]

2. A minimum cetane index of 40 or a maximum aromatic content of 35 volume percent.
[40 CFR 1090.305(c)(1)-(2)]

**C.** Operating Requirements

The Permittee shall operate and maintain each emergency ICE to achieve the emission standards over the entire life of the engine as required in Condition III.D.
[40 CFR 60.4206]

**D.** Emission Limitations and Standards

1. For EGEN, the Permittee shall comply with the Tier 2 or Tier 3 emission standards for new nonroad engines for the same rated power as described in 40 CFR 1039, Appendix I, for all pollutants and the smoke standards as specified in 40 CFR 1039.105.
[40 CFR 60.4202(a) and 60.4205(b)]

2. For FPEN, the Permittee must comply with the emission standards in Table 4 of 40 CFR 60 Subpart IIII.
[40 CFR 60.4205(c)]

**E.** Compliance Requirements

1. The Permittee shall comply with the following requirements:

   a. Operate and maintain the EGEN and control device according to the manufacturer's emission-related written instructions.
   [40 CFR 60.4211(a)(1)]

   b. Change only those emission-related settings that are permitted by the manufacturer.
   [40 CFR 60.4211(a)(2)]

c. Meet the requirements of 40 CFR Part 1068, as applicable.
[40 CFR 60.4211(a)(3)]

2. The Permittee shall purchase an engine certified to the emission standards in Conditions III.D, as applicable, for the same model year and maximum engine power. EGEN and FPEN shall be installed and configured according to the manufacturer's emission-related specifications, except as permitted in Condition III.E.3.c.
[40 CFR 60.4211(c)]

3. The Permittee shall operate EGEN according to the requirements in Conditions III.E.3.a through b(2) below. In order for the engine to be considered an EGEN under 40 CFR 60 Subpart IIII, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in Conditions III.E.3.a through b(2), is prohibited. If the Permittee does not operate the engine according to the requirements in Conditions III.E.3.a through b(2), the engine will not be considered an emergency engine and shall meet all requirements for non-emergency engines.
[40 CFR 60.4211(f)]

a. There is no time limit on the use of EGEN in emergency situations.
[40 CFR 60.4211(f)(1)]

b. The Permittee may operate the EGEN for any combination of the purposes specified in Condition III.E.3.b(1) below for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by Condition III.E.3.b(2) counts as part of the 100 hours per calendar year allowed by Condition III.E.3.b.
[40 CFR 60.4211(f)(2)]

(1) EGEN may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition the EPA Region 9 Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that federal, state, or local standards require maintenance and testing of EGEN beyond 100 hours per calendar year.

(2) EGEN may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in Condition III.E.3.b. Except as provided in Condition III.E.3.b(3), the 50

hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

[40 CFR 60.4211(f)(3)]

(3) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

[40 CFR 60.4211(f)(3)(i)]

(a) The engine is dispatched by the local balancing authority or local transmission and distribution system operator.

(b) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(c) The dispatch follows reliability, emergency operation or similar protocols that follow specific North American Electric Reliability Corporation (NERC), regional, state, public utility commission or local standards or guidelines.

(d) The power is provided only to the facility itself or to support the local transmission and distribution system.

(e) The Permittee identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

c. If the Permittee does not install, configure, operate, and maintain the EGEN and control device according to the manufacturer's emission-related written instructions, or the Permittee changes the emission-related settings in a way that is not permitted by the manufacturer, the Permittee shall demonstrate compliance as follows:

[40 CFR 60.4211(g)]

(1) If EGEN is greater than or equal to 100 HP and less than or equal to 500 HP, the Permittee shall keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the Permittee shall conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after the Permittee changes the emission-related settings in a way that is not permitted by the manufacturer.

[40 CFR 60.4211(g)(2)]

(2) If EGEN is greater than 500 HP, the Permittee shall keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the Permittee shall conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer. The Permittee shall conduct subsequent performance testing every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards.

[40 CFR 60.4211(g)(3)]

**F.** Monitoring and Recordkeeping Requirements

1. The Permittee shall install a non-resettable hour meter prior to startup of the EGEN if one is not already installed.

[40 CFR 60.4209(a) and -331.A.3.c]
[Material Permit Conditions are indicated by underlines and italics]

2. If the EGEN is equipped with a diesel particulate filter, the Permittee shall maintain records of any corrective action taken after the backpressure monitor has notified the facility that the high backpressure limit of EGEN is approached.

[40 CFR 60.4209(b)]

3. The Permittee shall record the hours of operation from each EGEN and the reason each EGEN was in operation during that time.

[40 CFR 60.4214(b)]

4. The Permittee shall keep records of the hours of operation that are recorded through the non-resettable hour meter for EGEN on a 12-month rolling basis.

[40 CFR 60.4214(b) and A.A.C. R18-2-306.A.4]

**G.** Reporting Requirements

1. If the EGEN does not meet the standards applicable to non-emergency engines in the applicable model year, the Permittee shall maintain records of the operation of EGEN and non-emergency service that are recorded through the non-resettable hour meter. The Permittee shall record the time of operation of EGEN and the reason the engine was in operation during that time.

[40 CFR 60.4214(b) and A.A.C. R18-2-306.A.4]

2. If the EGEN has a maximum engine power more than 100 HP that operates for the purposes specified in Condition III.E.3.b(1), the Permittee shall submit an annual report according to the following requirements:

[40 CFR 60.4214(d) and A.A.C. R18-2-306.A.4]

a. The annual report shall contain the following information:

(1) Company name and address where the engine is located.

(2) Date of the report and beginning and ending dates of the reporting period.

(3) Engine site rating and model year.

(4) Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.

(5) Hours spent for operation for the purposes specified in Condition III.E.3.b(1), including the date, start time, and end time for EGEN operation for the purposes specified in Condition III.E.3.b(1). The report must also identify the entity that dispatched EGEN and the situation that necessitated the dispatch of the EGEN.

b. Annual reports for each calendar year must be submitted no later than March 31st of the following calendar year.

[40 CFR 60.4214(d)(2)]

c. The annual report must be submitted electronically using the specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (*www.epa.gov/cdx*). However, if the reporting form specific is not available in CEDRI at the time that the report is due, the written report must be submitted to the EPA

Region 9 Administrator at the appropriate address listed in 40 CFR 60.4.

[40 CFR 60.4214(d)(3)]

**H.** Permit Shield

Compliance with the Conditions in this Section shall be deemed compliance with the requirements of A.A.C. R18-2-306, 40 CFR 60.4205, -60.4206, -60.4207, -60.4209, -60.4211, -60.4211, -60.4214, and 40 CFR 63.6590(c)(1).

[A.A.C. R18-2-325]

## IV. FUGITIVE DUST REQUIREMENTS

**A.** Applicability

This Section applies to any non-point source of fugitive dust in the facility.

**B.** Particulate Matter and Opacity

Open Areas, Roadways & Streets, Storage Piles, and Material Handling

1. Emission Limitations and Standards

a. Opacity of emissions from any fugitive dust non-point source shall not be greater than 40 percent.

[A.A.C. R18-2-614]

b. The Permittee shall employ the following reasonable precautions to prevent excessive amounts of particulate matter from becoming airborne:

(1) Keep dust and other types of air contaminants to a minimum in an open area where construction operations, repair operations, demolition activities, clearing operations, leveling operations, or any earth moving or excavating activities are taking place, by good modern practices such as using an approved dust suppressant or adhesive soil stabilizer, paving, covering, landscaping, continuous wetting, detouring, barring access, or other acceptable means;

[A.A.C. R18-2-604.A]

(2) Keep dust to a minimum from driveways, parking areas, and vacant lots where motor vehicular activity occurs by using an approved dust suppressant, or adhesive soil stabilizer, or by paving, or by barring access to the property, or by other acceptable means;

[A.A.C. R18-2-604.B]

(3) Keep dust and other particulates to a minimum by employing dust suppressants, temporary paving, detouring,

wetting down or by other reasonable means when a roadway or alley is used, repaired, constructed, or reconstructed;

[A.A.C. R18-2-605.A]

(4) Take reasonable precautions, such as wetting, applying dust suppressants, or covering the load when transporting material likely to give rise to airborne dust. Earth or other material that is deposited by trucking or earth moving equipment shall be removed from paved streets by the person responsible for such deposits;

[A.A.C. R18-2-605.B]

(5) Take reasonable precautions, such as the use of spray bars, wetting agents, dust suppressants, covering the load, and hoods when crushing, screening, handling, transporting or conveying of materials or other operations likely to result in significant amounts of airborne dust;

[A.A.C. R18-2-606]

(6) Take reasonable precautions such as chemical stabilization, wetting, or covering when organic or inorganic dust producing material is being stacked, piled, or otherwise stored;

[A.A.C. R18-2-607.A]

(7) Operate stacking and reclaiming machinery utilized at storage piles at all times with a minimum fall of material, or with the use of spray bars and wetting agents;

[A.A.C. R18-2-607.B]

(8) Any other method as proposed by the Permittee and approved by the ADEQ Director.

[A.A.C. R18-2-306.A.3.c]

2. Monitoring and Recordkeeping Requirements

a. The Permittee shall maintain records of the dates on which any of the activities listed above were performed and the control measures that were adopted in Condition IV.B.1.b.

[A.A.C. R18-2-306.A.3.c]

b. The Permittee shall monitor monthly visible emissions in accordance with Condition I.B.2 of this Attachment.

[A.A.C. R18-2-306.A.3.c]

**C.** Permit Shield

Compliance with the Conditions of this Section shall be deemed compliance with A.A.C. R18-2-604.A-B, -605.A-B, -606, -607.A-B, and -614.

[A.A.C. R18-2-325]

# V. OTHER PERIODIC ACTIVITIES

**A.** Abrasive Blasting

1. Particulate Matter and Opacity

a. Emission Limitations and Standards

The Permittee shall not cause or allow sandblasting or other abrasive blasting without minimizing dust emissions to the atmosphere through the use of good modern practices. Good modern practices include:

[A.A.C. R18-2-726]

(1) Wet blasting;

(2) Effective enclosures with necessary dust collecting equipment; or

(3) Any other method approved by the ADEQ Director.

b. Opacity

The Permittee shall not cause, allow or permit visible emissions from sandblasting or other abrasive blasting operations in excess of 20% opacity.

[A.A.C. R18-2-702.B.3]

2. Monitoring and Recordkeeping Requirements

a. Each time an abrasive blasting project is conducted, the Permittee shall make a record of the following:

[A.A.C. R18-2-306.A.3.c]

(1) The date the project was conducted;

(2) The duration of the project; and

(3) Type of control measures employed.

b. Each time an abrasive blasting project is conducted, the Permittee shall monitor visible emissions from the project in accordance with Condition I.B of Attachment “B”.

[A.A.C. R18-2-306.A.3.c]

3. Permit Shield

Compliance with Conditions of this Section shall be deemed compliance with A.A.C. R18-2-702.B.3 and -726.

[A.A.C. R18-2-325]

**B.** Use of Paints

1. Volatile Organic Compounds

a. Emission Limitations and Standards

While performing spray painting operations, the Permittee shall comply with the following requirements:

(1) The Permittee shall not conduct or cause to be conducted any spray-painting operation without minimizing organic solvent emissions. Such operations, other than architectural coating and spot painting, shall be conducted in an enclosed area equipped with controls containing no less than 96 percent of the overspray.

[A.A.C. R18-2-727.A]

(2) The Permittee or their designated contractor shall not either:

(a) Employ, apply, evaporate, or dry any architectural coating containing photochemically reactive solvents for industrial or commercial purposes; or

(b) Thin or dilute any architectural coating with a photochemically reactive solvent.

[A.A.C. R18-2-727.B]

(3) For the purposes of Condition V.B.1.a(1), a photochemically reactive solvent shall be any solvent with an aggregate of more than 20 percent of its total volume composed of the chemical compounds classified in Condition V.B.1.a(2), or which exceeds any of the following percentage composition limitations, referred to the total volume of solvent:

[A.A.C. R18-2-727.C]

(a) A combination of the following types of compounds having an olefinic or cyclo-olefinic type of unsaturation-hydrocarbons, alcohols, aldehydes, esters, ethers, or ketones: 5 percent.

[A.A.C. R18-2-727.C.1]

(b) A combination of aromatic compounds with eight or more carbon atoms to the molecule except ethylbenzene: 8 percent.

[A.A.C. R18-2-727.C.2]

(c) A combination of ethylbenzene, ketones having branched hydrocarbon structures, trichloroethylene or toluene: 20 percent.

[A.A.C. R18-2-727.C.3]

(4) Whenever any organic solvent or any constituent of an organic solvent may be classified from its chemical structure into more than one of the groups of organic compounds described in Condition V.B.1.a(3), it shall be considered to be a member of the group having the least allowable percent of the total volume of solvents.

[A.A.C. R18-2-727.D]

b. Monitoring and Recordkeeping Requirements

(1) Each time a spray-painting project is conducted, the Permittee shall make a record of the following:

[A.A.C. R18-2-306.A.3.c]

(a) The date the project was conducted;

(b) The duration of the project;

(c) Type of control measures employed;

(d) Safety Data Sheets (SDS) for all paints and solvents used in the project; and

(e) The amount of paint consumed during the project.

(2) Architectural coating and spot painting projects shall be exempt from the recordkeeping requirements of Condition V.B.1.b(1).

c. Permit Shield

Compliance with Conditions of this Section shall be deemed compliance with A.A.C. R18-2-727.

[A.A.C. R18-2-325]

2. Opacity

a. Emission Limitation and Standard

The Permittee shall not cause, allow or permit visible emissions from painting operations in excess of 20% opacity.

[A.A.C. R18-2-702.B.3]

b. Monitoring, Recordkeeping and Reporting Requirements

Each time a spray-painting project is conducted, the Permittee shall monitor visible emissions in accordance with Condition I.B of Attachment “B”.

c. Permit Shield

Compliance with Conditions of this Section shall be deemed compliance with A.A.C. R18-2-702.B.3.

[A.A.C. R18-2-325]

**C.** Demolition and Renovation - Hazardous Air Pollutants

1. Emission Limitation and Standard

The Permittee shall comply with all of the requirements of 40 CFR 61 Subpart M for National Emission Standards for Hazardous Air Pollutants - Asbestos.

[A.A.C. R18-2-1101.A.12]

2. Monitoring and Recordkeeping Requirement

The Permittee shall keep all required records in a file. The required records shall include the “NESHAP Notification for Renovation and Demolition Activities” form and all supporting documents.

[A.A.C. R18-2-306.A.3.c]

3. Permit Shield

Compliance with the Conditions of this Section shall be deemed compliance with A.A.C. R18-2-1101.A.12.

[A.A.C. R18-2-325]

## ATTACHMENT "C": EQUIPMENT LIST

| EQUIPMENT TYPE | MAX. CAPACITY | MAKE | MODEL | SERIAL NUMBER | MANUFACTURE DATE | EQUIP. ID NUMBER | A.A.C. / NSPS / NESHAP |
|---|---|---|---|---|---|---|---|
| Combustion Turbine 1 (GT-1) | 482.5 MMBtu/hr | ProEnergy | LM6000 | TBD | TBD | GT 1 | NSPS Subpart TTTTa; NSPS Subpart KKKKa |
| Combustion Turbine 2 (GT-2) | 482.5 MMBtu/hr | ProEnergy | LM6000 | TBD | TBD | GT 2 | NSPS Subpart TTTTa; NSPS Subpart KKKKa |
| Combustion Turbine 3 (GT-3) | 482.5 MMBtu/hr | ProEnergy | LM6000 | TBD | TBD | GT 3 | NSPS Subpart TTTTa; NSPS Subpart KKKKa |
| Combustion Turbine 4 (GT-4) | 482.5 MMBtu/hr | ProEnergy | LM6000 | TBD | TBD | GT 4 | NSPS Subpart TTTTa; NSPS Subpart KKKKa |
| Emergency Fire Pump (FPEN) | 350 hp | TBD | TBD | TBD | Post-2007 | FPEN | NSPS Subpart IIII and NESHAP Subpart ZZZZ |
| Emergency Diesel Generator (EGEN) | Less than or equal to 2,000 kW | TBD | TBD | TBD | Post-2007 | EGEN | NSPS Subpart IIII and NESHAP Subpart ZZZZ |