

MAJOR SOURCE OPERATING PERMIT

PERMITTEE: TENNESSEE GAS PIPELINE COMPANY, L.L.C.
FACILITY NAME: COMPRESSOR STATION 550
FACILITY/PERMIT NO.: 710-0019
LOCATION: HAMILTON, MARION COUNTY, ALABAMA

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, Ala. Code §§ 22-28-1 to 22-28-23, as amended, the Alabama Environmental Management Act, Ala. Code §§ 22-22A-1 to 22-22A-17, as amended, and rules and regulations adopted there under, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

Pursuant to the Clean Air Act of 1990, all conditions of this permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the Clean Air Act of 1990 are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this permit.

Issuance Date: January 27, 2025
Effective Date: January 27, 2025
Expiration Date: January 27, 2030



Alabama Department of Environmental Management

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General Permit Provisos

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| <p>1. <u>Transfer</u></p> <p>This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in ADEM Admin. Code r. 335-3-16-.13(1)(a)5.</p> <p>2. <u>Renewals</u></p> <p>An application for permit renewal shall be submitted at least six (6) months, but not more than eighteen (18) months, before the date of expiration of this permit.</p> <p>The source for which this permit is issued shall lose its right to operate upon the expiration of this permit unless a timely and complete renewal application has been submitted within the time constraints listed in the previous paragraph.</p> <p>3. <u>Severability Clause</u></p> <p>The provisions of this permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgment shall not affect, impair, or invalidate the remainder of this permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivisions, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.</p> <p>4. <u>Compliance</u></p> <p>(a) The permittee shall comply with all conditions of ADEM Admin. Code 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code 335-3 and may result in an enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application by the permittee.</p> <p>(b) The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.</p> <p>5. <u>Termination for Cause</u></p> <p>This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.</p> | <p>ADEM Admin. Code r. 335-3-16-.02(6)</p> <p>ADEM Admin. Code r. 335-3-16-.12(2)</p> <p>ADEM Admin. Code r. 335-3-16-.05(e)</p> <p>ADEM Admin. Code r. 335-3-16-.05(f)</p> <p>ADEM Admin. Code r. 335-3-16-.05(g)</p> <p>ADEM Admin. Code r. 335-3-16-.05(h)</p> |

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| <p>6. <u>Property Rights</u></p> <p>The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(i)</p> |
| <p>7. <u>Submission of Information</u></p> <p>The permittee must submit to the Air Division, within 30 days or for such other reasonable time as the Air Division may set, any information that the Air Division may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon receiving a specific request, the permittee shall also furnish to the Air Division copies of records required to be kept by this permit.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(j)</p> |
| <p>8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u></p> <p>No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(k)</p> |
| <p>9. <u>Certification of Truth, Accuracy, and Completeness</u></p> <p>Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain 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.</p> | <p>ADEM Admin. Code r. 335-3-16-.07(a)</p> |
| <p>10. <u>Inspection and Entry</u></p> <p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the following:</p> <ul style="list-style-type: none"> (a) Enter upon the permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit; (b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit; (c) Inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit; | <p>ADEM Admin. Code r. 335-3-16-.07(b)</p> |

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| <p>(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements.</p> <p>11. <u>Compliance Provisions</u></p> <p>(a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance.</p> <p>(b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit.</p> <p>12. <u>Compliance Certification</u></p> <p>The Permittee shall submit a complete and accurate compliance certification by January 29th of each year for each annual reporting period of this permit (November 30th – November 29th).</p> <p>(a) The compliance certification shall include the following:</p> <ol style="list-style-type: none">(1) The identification of each term or condition of this permit that is the basis of the certification;(2) The compliance status;(3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with ADEM Admin. Code r. 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements);(4) Whether compliance has been continuous or intermittent;(5) Such other facts as the Air Division may require to determine the compliance status of the source; <p>(b) The compliance certification shall be submitted to:</p> <p style="text-align: center;">Alabama Department of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463 and to:</p> <p style="text-align: center;">EPA Region 4 via email at EPA_R4_CAA_Reports@epa.gov or through the EPA's Compliance and Emissions Data Reporting Interface (CEDRI)</p> | <p></p> <p>ADEM Admin. Code r. 335-3-16-.07(c)</p> <p></p> <p>ADEM Admin. Code r. 335-3-16-.07(e)</p> |

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| <p data-bbox="180 268 511 300">13. <u>Reopening for Cause</u></p> <p data-bbox="224 331 1118 394">Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:</p> <ul data-bbox="272 426 1118 1123" style="list-style-type: none"><li data-bbox="272 426 1118 651">(a) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (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 this permit is due to expire.<li data-bbox="272 682 1118 835">(b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this permit.<li data-bbox="272 867 1118 993">(c) The Department or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.<li data-bbox="272 1024 1118 1123">(d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements. | <p data-bbox="1143 331 1430 394">ADEM Admin. Code r. 335-3-16-.13(5)</p> |
| <p data-bbox="180 1150 690 1182">14. <u>Additional Rules and Regulations</u></p> <p data-bbox="224 1213 1118 1339">This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.</p> | <p data-bbox="1143 1213 1430 1308">§22-28-16(d), <u>Code of Alabama 1975</u>, as amended</p> |
| <p data-bbox="180 1371 768 1402">15. <u>Equipment Maintenance or Breakdown</u></p> <ul data-bbox="228 1434 1118 1969" style="list-style-type: none"><li data-bbox="228 1434 1118 1686">(a) In case of shutdown of air pollution control equipment (which operates pursuant to any permit issued by the Director) for necessary scheduled maintenance, the intent to shut down such equipment shall be reported to the Air Division at least (24) hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. Such prior notice shall include, but is not limited to the following:<ul data-bbox="277 1717 1118 1969" style="list-style-type: none"><li data-bbox="277 1717 1118 1780">(1) Identification of the specific facility to be taken out of service as well as its location and permit number;<li data-bbox="277 1812 1118 1875">(2) The expected length of time that the air pollution control equipment will be out of service;<li data-bbox="277 1906 1118 1969">(3) The nature and quality of emissions of air contaminants likely to occur during the shutdown period; | <p data-bbox="1143 1434 1430 1497">ADEM Admin. Code r. 335-3-1-.07(1),(2)</p> |

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| <p>(4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period;</p> <p>(5) The reasons that it would be impossible or impractical to shut down the sources operation during the maintenance period.</p> <p>(b) In the event that there is a breakdown of equipment or upset of process in such a manner as to cause, or is expected to cause, increased emissions of air contaminants which are above an applicable standard, the person responsible for such equipment shall notify the Director within 24 hours or the next working day and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Director will be notified when the breakdown has been corrected.</p> | |
| <p>16. <u>Operation of Capture and Control Devices</u></p> <p>All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.</p> | <p>§22-28-16(d), <u>Code of Alabama 1975</u>, as amended</p> |
| <p>17. <u>Obnoxious Odors</u></p> <p>This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.</p> | <p>ADEM Admin. Code r. 335-3-1-.08</p> |
| <p>18. <u>Fugitive Dust</u></p> <p>(a) Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.</p> <p>(b) Plant or haul roads and grounds will be maintained in the following manner so that dust will not become airborne. A minimum of one, or a combination, of the following methods shall be utilized to minimize airborne dust from plant or haul roads and grounds:</p> <p>(1) By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic;</p> <p>(2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created;</p> <p>(3) By paving;</p> | <p>ADEM Admin. Code r. 335-3-4-.02</p> |

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| <p>(4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions.</p> <p>Should one, or a combination, of the above methods fail to adequately reduce airborne dust from plant or haul roads and grounds, alternative methods shall be employed, either exclusively or in combination with one or all of the above control techniques, so that dust will not become airborne. Alternative methods shall be approved by the Air Division prior to utilization.</p> <p>19. Additions and Revisions</p> <p>Any modifications to this source shall comply with the modification procedures in ADEM Admin. Code r. 335-3-16-.13 or 335-3-16-.14.</p> | |
| <p>20. Recordkeeping Requirements</p> <p>(a) Records of required monitoring information of the source shall include the following:</p> <ul style="list-style-type: none">(1) The date, place, and time of all sampling or measurements;(2) The date analyses were performed;(3) The company or entity that performed the analyses;(4) The analytical techniques or methods used;(5) The results of all analyses; and(6) The operating conditions that existed at the time of sampling or measurement. <p>(b) Retention of records of all required monitoring data and support information of the source for a period of at least 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 for continuous monitoring instrumentation and copies of all reports required by the permit.</p> | <p>ADEM Admin. Code r. 335-3-16-.13 and 335-3-16-.14</p> |
| <p>21. Reporting Requirements</p> <p>(a) Reports to the Air Division of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with ADEM Admin. Code r. 335-3-16-.04(9).</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)2.</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)3.</p> |

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| <p>(b) Deviations from permit requirements shall be reported within 48 hours or 2 working days of such deviations, including those attributable to upset conditions as defined in the permit. The report will include the probable cause of said deviations, and any corrective actions or preventive measures that were taken.</p> | |
| <p>22. <u>Emission Testing Requirements</u></p> <p>Each point of emission which requires testing will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.</p> <p>The Air Division must be notified in writing at least 10 days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations.</p> <p>To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:</p> <p>(a) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests.</p> <p>(b) A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedures requires probe cleaning).</p> <p>(c) A description of the process(es) to be tested including the feed rate, any operating parameters used to control or influence the operations, and the rated capacity.</p> <p>(d) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances.</p> <p>A pretest meeting may be held at the request of the source owner or the Air Division. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis.</p> <p>All test reports must be submitted to the Air Division within 30 days of the actual completion of the test unless an extension of time is specifically approved by the Air Division.</p> | <p>ADEM Admin. Code r. 335-3-1-.05(3) and 335-3-1-.04(1)</p> <p>ADEM Admin. Code r. 335-3-1-.04</p> <p>ADEM Admin. Code r. 335-3-1-.04</p> |
| <p>23. <u>Payment of Emission Fees</u></p> <p>(a) The permittee shall remit the annual Operating Permit Fees required by ADEM Admin. Code r. 335-1-7-.04 according to the schedule in ADEM Admin. Code r. 335-1-7-.05.</p> | <p>ADEM Admin. Code r. 335-1-7-.04</p> |

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| <p>(b) The permittee shall submit its estimate of actual emissions for the previous calendar year according to the schedule in ADEM Admin. Code r. 335-1-7-.05.</p> | <p>ADEM Admin. Code r. 335-1-7-.05</p> |
| <p>24. <u>Other Reporting and Testing Requirements</u></p> | |
| <p>Submission of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require emission testing at any time.</p> | <p>ADEM Admin. Code r. 335-3-1-.04(1)</p> |
| <p>25. <u>Title VI Requirements (Refrigerants)</u></p> | |
| <p>Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in 40 CFR Part 82, Subpart A, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(a)</p> |
| <p>No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F.</p> | |
| <p>The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR §82.166. Reports shall be submitted to the US EPA and the Department as required.</p> | |
| <p>26. <u>Chemical Accidental Prevention Provisions</u></p> | |
| <p>If a chemical listed in Table 1 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:</p> | <p>40 CFR Part 68</p> |
| <p>(a) The owner or operator shall comply with the provisions in 40 CFR Part 68.</p> | |
| <p>(b) The owner or operator shall submit one of the following:</p> | |
| <p>(1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,</p> | |
| <p>(2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan.</p> | |

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| <p><u>27. Display of Permit</u></p> <p>This permit shall be kept under file or on display at all times at the site where the facility for which the permit is issued is located and will make the permit readily available for inspection by any or all persons who may request to see it.</p> | <p>ADEM Admin. Code r. 335-3-16-.02(2)</p> |
| <p><u>28. Circumvention</u></p> <p>No person shall cause or permit the installation or use of any device or any means which, without resulting in the reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations.</p> | <p>ADEM Admin. Code r. 335-3-1-.10</p> |
| <p><u>29. Visible Emissions</u></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit.</p> | <p>ADEM Admin. Code r. 335-3-4-.01(1)&(2)</p> |
| <p><u>30. Fuel-Burning Equipment</u></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge particulate emissions in excess of the emissions specified in ADEM Admin. Code r. 335-3-4-.03.</p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge sulfur dioxide emissions in excess of the emissions specified in ADEM Admin. Code r. 335-3-5-.01.</p> | <p>ADEM Admin. Code r. 335-3-4-.03</p> <p>ADEM Admin. Code r. 335-3-5-.01</p> |
| <p><u>31. Process Industries – General</u></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in ADEM Admin. Code r. 335-3-4-.04.</p> | <p>ADEM Admin. Code r. 335-3-4-.04</p> |
| <p><u>32. Averaging Time for Emission Limits</u></p> <p>Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method.</p> | <p>ADEM Admin. Code r. 335-3-1-.05</p> |

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| <p>33. <u>Open Burning</u></p> <p>Precautions should be taken to ensure that no person shall ignite, cause to ignite, permit to be ignited, or maintain any open fire in such a manner as to cause the Department's rules and regulations applicable to open burning to be violated.</p> <p>34. <u>Permit Shield</u></p> <p>A Permit Shield exists under this operating permit in accordance with ADEM Admin. Code r. 335-3-16-.10 in that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in this operating permit.</p> | <p>ADEM Admin. Code r. 335-3-3-.01</p> <p>ADEM Admin. Code r. 335-3-16-.10</p> |

Emission Unit Nos. 001, 002, 003, and 004 (Engines 1A-4A)**Summary Page**

Description: Four (4) 5,500 hp Clark TCV16 2-Stroke, Lean-Burn Natural Gas-fired Reciprocating Engines

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{365 \text{ Days}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission Limitations:

| Emission Point Nos. | Description | Pollutant | Emission Limit | Regulation |
|----------------------------|---|------------------|-----------------------|------------------------------|
| ENG 1A-4A | Four (4) 5,500 hp Clark TCV16 2-stroke, lean-burn natural gas-fired reciprocating engines | NO _x | 66.69 lb/hr, each | ADEM Admin. Code r. 3-8-.04 |
| | | CO | 30.80 lb/hr, each | ADEM Admin. Code r. 3-14-.04 |
| | | VOC | N/A | N/A |
| | | SO ₂ | N/A | N/A |
| | | PM | N/A | N/A |
| | | HAP | N/A | N/A |

Emission Unit Nos. 001, 002, 003, and 004 (Engines 1A-4A)
Unit Specific Provisos

| Federally Enforceable Provisos | Regulations |
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| <p>1. <u>Applicability</u></p> <p>(a) These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-8-.04, Standards for Stationary Reciprocating Internal Combustion Engines</p> <p>(c) These units are affected sources under 40 CFR Part 63, Subpart ZZZZ, the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.</p> <p>(d) These units are subject to a synthetic minor source emission limit to restrict their potential to emit below the applicability threshold established at ADEM Admin. Code r. 335-3-14-.04, Air Permits Authorizing Construction in Clean Areas [Prevention of Significant Deterioration (PSD)].</p> | <p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-8-.04</p> <p>ADEM Admin. Code r. 335-3-11-.06(103)</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> |
| <p>2. <u>Emission Standards</u></p> <p>(a) The permittee shall not cause or allow emissions of nitrogen oxides (NO_x) from each unit to exceed 66.69 lb/hr.</p> <p>(b) The permittee shall not cause or allow emissions of carbon monoxide (CO) from each unit to exceed 30.80 lb/hr.</p> | <p>ADEM Admin. Code r. 335-3-8-.04</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> |
| <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>(a) Compliance with the nitrogen oxides (NO_x) emission rate of these units shall be determined by Reference Methods 1, 2, 3 and 4 or 19, and Reference Method 7E in Appendix A of 40 CFR 60. Conditional Test Method (CTM) 034 (portable analyzer) may be utilized in accordance with a protocol/method approved in advance by the Air Division.</p> <p>(b) Compliance with the carbon monoxide (CO) emission rate of these units shall be determined by Reference Methods 1, 2, 3 and 4 or 19, and Reference Method 10 in Appendix A of 40 CFR 60. Conditional Test Method (CTM) 034 (portable analyzer) may be utilized in accordance with a protocol/method approved in advance by the Air Division.</p> | <p>ADEM Admin. Code r. 335-3-1-.05 & ADEM Admin. Code r. 335-3-8-.04</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> |

| Federally Enforceable Provisos | Regulations |
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| <p>4. <u>Emission Monitoring</u></p> <p>(a) For each unit, the permittee shall conduct emissions testing for NO_x and CO once per year (defined as October 1st – September 30th) during which the unit operates 250 hours or more for the purpose of production (i.e. the compression/transmission of natural gas). The Emission testing shall be conducted with a minimum of three (3) calendar months elapsing between tests. For each unit, the first emission testing conducted following the effective date of this permit shall be conducted in accordance with an approved EPA Reference Method for that pollutant. All subsequent emission testing during the permit term may be conducted using either an approved EPA Reference Method for that pollutant or utilizing CTM-034 with a portable analyzer in accordance with a protocol/method approved in advance by the Air Division.</p> <p>(b) For any ozone season (May 1st- September 30th) in which a unit operates 250 hours or more for the purpose of production (i.e. the compression/transmission of natural gas), the permittee shall conduct emissions testing for NO_x on that unit at least once during that ozone season or at least once during the six-month period preceding the first day of the ozone season. For each unit, the first NO_x ozone emission testing conducted following the effective date of this permit shall be conducted in accordance with an approved EPA Reference Method for that pollutant. All subsequent emission testing during the permit term may be conducted using either an approved EPA Reference Method for that pollutant or utilizing CTM-034 with a portable analyzer in accordance with a protocol/method approved in advance by the Air Division.</p> <p>(c) The permittee shall only fire natural gas in these units.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-8-.04(6)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |
| <p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>(a) The permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual period (November 30th-May 29th and May 30th–November 29th). The report shall include a statement addressing whether only natural gas was fired in these units and all emission monitoring was conducted as required during the reporting period. If all emission monitoring was not conducted, the report shall explain the reason(s) why it was not performed.</p> <p>(b) The permittee shall submit the results of emission testing within 30 days of the actual completion of the test unless the Air Division specifically approves an extension of time.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-8-.04(7)(c)</p> |

| Federally Enforceable Provisos | Regulations |
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| <p>(c) The permittee shall maintain the following records for these units for each ozone season (May 1st – September 30th). These records shall be compiled into a permanent form suitable for inspection within 30 days of the end of each ozone season and shall be maintained on-site for a period of five years from the date of generation of each record.</p> <ul style="list-style-type: none"> (i) Identification and location of the unit; (ii) Calendar date of record; (iii) Number of hours operated during the ozone season; (iv) Type and quantity of fuel used during the ozone season; (v) Date and results of each emission-related inspection and a summary of any emissions-related maintenance, if taken; (vi) Results of all emission tests; and (vii) Any additional information described in the permittee's Phase II NO_x SIP Call Compliance Plan. | <p>ADEM Admin. Code r. 335-3-8-.04(7)(c)</p> |

Emission Unit No. 005 (Engine 1B)

Summary Page

Description: 7,500 hp GE M3752HR natural gas-fired combustion turbine

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{365 \text{ Days}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission Limitations:

| Emission Point No. | Description | Pollutant | Emission Limit | Regulation |
|--------------------|--|-----------------|----------------|------------|
| ENG1B | 7,500 hp GE M3752HR natural gas-fired combustion turbine | NO _x | N/A | N/A |
| | | CO | N/A | N/A |
| | | VOC | N/A | N/A |
| | | SO ₂ | N/A | N/A |
| | | PM | N/A | N/A |
| | | HAP | N/A | N/A |

Emission Unit No. 005 (Engine 1B)
Unit Specific Provisos

| Federally Enforceable Provisos | Regulations |
|---|--|
| <p>1. <u>Applicability</u></p> <p>(a) This unit is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) This unit is an affected source under 40 CFR Part 63, Subpart YYYY, the National Emission Standards for Hazardous Air Pollutants for Stationary Combustion Turbines.</p> <p>2. <u>Emission Standards</u></p> <p>There are no unit-specific emission standards applicable to this emission source</p> <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>There are no unit-specific compliance or performance test methods or procedures applicable to this emission source.</p> <p>4. <u>Emission Monitoring</u></p> <p>The permittee shall only fire natural gas in this unit.</p> <p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>The permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (November 30th-May 29th and May 30th -November 29th). The report shall include a statement addressing whether only natural gas was fired in this unit and all emission monitoring was conducted as required during the reporting period. If all emission monitoring was not conducted, the report shall explain the reason(s) why it was not performed.</p> | <p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(102)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |

Emission Unit No. 007 (AUX 1A)

Summary Page

Description: 637 hp Caterpillar G3412 4-stroke, lean-burn natural gas-fired emergency generator

Permitted Operating Schedule: Unlimited for emergency situations with 100 hours per year for maintenance and testing, and up to 50 hours per year in non-emergency situations, but those 50 hours are counted toward the 100 hours per year provided for maintenance and testing.

Emission Limitations:

| Emission Point No. | Description | Pollutant | Emission Limit | Regulation |
|--------------------|--|-----------------|----------------|------------|
| AUX1A | 637 hp Caterpillar G3412 4-stroke, lean-burn natural gas-fired emergency generator | NO _x | N/A | N/A |
| | | CO | N/A | N/A |
| | | VOC | N/A | N/A |
| | | SO ₂ | N/A | N/A |
| | | PM | N/A | N/A |
| | | HAP | N/A | N/A |

Emission Unit No. 007 (AUX 1A)
Unit Specific Provisos

| Federally Enforceable Provisos | Regulations |
|---|--|
| <p>1. <u>Applicability</u></p> <p>(a) This unit is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) This unit is an affected source under to 40 CFR 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE), and meets the definition for an emergency stationary RICE as provided by 40 CFR §63.6640(f)(1). The permittee shall only operate this unit as an emergency stationary RICE as defined in this standard.</p> | <p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(103)</p> |
| <p>2. <u>Emission Standards</u></p> <p>There are no unit specific emission standards applicable to this emission source.</p> | <p>N/A</p> |
| <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>There are no unit specific compliance or performance test methods or procedures applicable to this emission source.</p> | <p>N/A</p> |
| <p>4. <u>Emission Monitoring</u></p> <p>There are no unit specific emission monitoring requirements applicable to this emission source.</p> | <p>N/A</p> |
| <p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>(a) The permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (November 30th-May 29th and May 30th -November 29th). The report shall include a statement addressing whether only natural gas was fired in this unit and all emission monitoring was conducted as required during the reporting period. If all emission monitoring was not conducted, the report shall explain the reason(s) why it was not performed.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |

| Federally Enforceable Provisos | Regulations |
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| <p>(b) For each period of operation, the length of operation and the reason the engine was in operation during that time. For periods of operation designated as "emergency operation," the records shall reflect what classified the operation as emergency. Within 15 days of the end of each month, the permittee shall record the hours of operation for the previous month for this unit and calculate these hours based on a 12-month calendar year.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |

Emission Unit No. 009 (Fuel Gas Heater)

Summary Page

Description: One 0.50 MMBtu/hr Dynaflame DFH-0500, Natural Gas-fired Fuel Gas Heater

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{365 \text{ Days}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission Limitations:

| Emission Point No. | Description | Pollutant | Emission Limit | Regulation |
|--------------------|---|-----------------|----------------|------------|
| 009 | One 0.50 MMBtu/hr Dynaflame DFH-0500, natural gas-fired fuel gas heater | NO _x | N/A | N/A |
| | | CO | N/A | N/A |
| | | VOC | N/A | N/A |
| | | SO ₂ | N/A | N/A |
| | | PM | N/A | N/A |
| | | HAP | N/A | N/A |

Emission Unit No. 009 (Fuel Gas Heater)
Unit Specific Provisos

| Federally Enforceable Provisos | Regulations |
|--|--|
| 1. <u>Applicability</u> | |
| (a) This unit is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits." | ADEM Admin. Code r. 335-3-16-.03 |
| (b) This unit is subject to the applicable requirements of 40 CFR Part 63, Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boiler and Process Heaters. Pursuant to 40 CFR §63.7495(b) the facility must comply with this rule no later than January 31, 2016. | 40 CFR Part 63, Subpart DDDDD and ADEM Admin. Code r. 335-3-11-.06 (107) |
| 2. <u>Emission Standards</u> | |
| There are no specific emission standards applicable to the unit. | N/A |
| 3. <u>Compliance and Performance Test Methods and Procedures</u> | |
| There are no unit specific compliance or performance test methods or procedures applicable to this unit. | N/A |
| 4. <u>Emission Monitoring</u> | |
| (a) The permittee shall only fire natural gas in this unit. | ADEM Admin. Code r. 335-3-16-.05(c) |
| (b) In accordance with 40 CFR §63.7500(e), the permittee shall conduct a tune-up on this unit every five years upon start up as specified in 40 CFR §63.7540(a)(12). | 40 CFR §63.7500(e) |
| 5. <u>Recordkeeping and Reporting Requirements</u> | |
| (a) The permittee shall keep a copy of each notification and report submitted to comply with 40 CFR Part 63, Subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance or compliance report submitted according to the requirements in 40 CFR §63.10(b)(2)(xiv). | 40 CFR §63.7555 and 40 CFR §63.10 |
| (b) The permittee shall submit a compliance report every five years upon startup, containing the applicable information specified in 40 CFR §63.7550(c)(1). The compliance report must be postmarked or submitted no later than January 31 st following the end of the five-year period. | 40 CFR §63.7540(a) |

| Federally Enforceable Provisos | Regulations |
|---|--|
| <p>(c) The permittee shall submit a Semiannual Monitoring Report, as required by general Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (November 30th-May 29th and May 30th -November 29th). The report shall include a statement addressing whether only natural gas was fired in this unit during the reporting period.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |