



MAJOR SOURCE OPERATING PERMIT

Permittee: **TENNESSEE VALLEY AUTHORITY**
 Facility Name: **COLBERT COMBUSTION TURBINE PLANT**
 Facility/Permit No.: 701-0010
 Location: TUSCUMBIA, COLBERT 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: *DRAFT*
 Expiration Date: *XXXX*

TABLE OF CONTENTS

GENERAL PERMIT PROVISOS3

SUMMARY PAGE FOR COMBUSTION TURBINES 1-8 15

PROVISOS FOR COMBUSTION TURBINES 1-8..... 16

Applicability..... 16

Emission Standards 16

Compliance and Performance Test Methods and Procedures..... 16

Emission Monitoring 16

Recordkeeping and Reporting Requirements..... 16

SUMMARY PAGE FOR EMERGENCY FIRE PUMP ENGINE 18

PROVISOS FOR THE EMERGENCY FIRE PUMP ENGINE..... 19

Applicability..... 19

Emission Standards 19

Compliance and Performance Test Methods and Procedures..... 19

Emission Monitoring 20

Recordkeeping and Reporting Requirements..... 20

General Permit Provisos

| Federally Enforceable Provisos | Regulations |
|---|---|
| <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 Rule 335-3-16-.13(1)(a)5.</p> | Rule 335-3-16-.02(6) |
| <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> | Rule 335-3-16-.12(2) |
| <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> | Rule 335-3-16-.05(e) |
| <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>Rule 335-3-16-.05(f)</p> <p>Rule 335-3-16-.05(g)</p> |

General Permit Provisos

| Federally Enforceable Provisos | Regulations |
|---|----------------------|
| <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> | Rule 335-3-16-.05(h) |
| <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> | Rule 335-3-16-.05(i) |
| <p>7. <u>Submission of Information</u></p> <p>The permittee must submit to the Department, within 30 days or for such other reasonable time as the Department may set, any information that the Department 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 Department copies of records required to be kept by this permit.</p> | Rule 335-3-16-.05(j) |
| <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> | Rule 335-3-16-.05(k) |
| <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> | Rule 335-3-16-.07(a) |
| <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</p> | Rule 335-3-16-.07(b) |

General Permit Provisos

| Federally Enforceable Provisos | Regulations |
|---|-----------------------------|
| <p>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; (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements. | |
| <p>11. <u>Compliance Provisions</u></p> <ul style="list-style-type: none"> (a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance. (b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit. | <p>Rule 335-3-16-.07(c)</p> |
| <p>12. <u>Compliance Certification</u></p> <p>A compliance certification shall be submitted annually within 60 days of the anniversary date of issuance of this permit.</p> <ul style="list-style-type: none"> (a) The compliance certification shall include the following: <ul 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 Rule | <p>Rule 335-3-16-.07(e)</p> |

General Permit Provisos

| Federally Enforceable Provisos | Regulations |
|---|-----------------------------|
| <p>335-3-16-.05(c) (Monitoring and Recordkeeping Requirements);</p> <p>(4) Whether the method(s) or other means used to assure compliance provided continuous or intermittent data;</p> <p>(5) Such other facts as the Department may require to determine the compliance status of the source;</p> <p>(b) The compliance certification shall be submitted to :</p> <p style="padding-left: 40px;">Alabama Department of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463</p> <p style="padding-left: 80px;">and to:</p> <p style="padding-left: 40px;">Air and EPCRA Enforcement Branch EPA Region IV 61 Forsyth Street, SW Atlanta, GA 30303</p> | |
| <p>13. <u>Reopening for Cause</u></p> <p>Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:</p> <p>(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.</p> <p>(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.</p> <p>(c) The Department or EPA determines that this permit contains a material mistake or that inaccurate</p> | <p>Rule 335-3-16-.13(5)</p> |

General Permit Provisos

| Federally Enforceable Provisos | Regulations |
|--|--|
| <p>statements were made in establishing the emissions standards or other terms or conditions of this permit.</p> <p>(d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.</p> | |
| <p>14. <u>Additional Rules and Regulations</u></p> <p>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>§22-28-16(d), <u>Code of Alabama 1975</u>, as amended</p> |
| <p>15. <u>Equipment Maintenance or Breakdown</u></p> <p>(a) In the 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 Director at least twenty-four (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:</p> <p>(1) Identification of the specific facility to be taken out of service as well as its location and permit number;</p> <p>(2) The expected length of time that the air pollution control equipment will be out of service;</p> <p>(3) The nature and quantity of emissions of air contaminants likely to occur during the shutdown period;</p> <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>Rule 335-3-1-.07(1),(2)</p> |

General Permit Provisos

| Federally Enforceable Provisos | Regulations |
|--|--|
| <p>(5) The reasons that it would be impossible or impractical to shut down the source 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>Rule 335-3-1-.08</p> |
| <p>18. <u>Fugitive Dust</u></p> <p>(a) Reasonable 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:</p> <p>(1) By the application of water any time the surface of the road is sufficiently dry to allow the creation</p> | <p>Rule 335-3-4-.02</p> |

General Permit Provisos

| Federally Enforceable Provisos | Regulations |
|---|----------------------------------|
| <p>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>(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; or</p> <p>(5) By any combination of the above methods which results in the prevention of dust becoming airborne from the road surface.</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 Department prior to utilization.</p> | |
| <p>19. <u>Additions and Revisions</u></p> <p>Any modifications to this source shall comply with the modification procedures in Rules 335-3-16-.13 or 335-3-16-.14.</p> | <p>Rule 335-3-16-.13 and .14</p> |
| <p>20. <u>Recordkeeping Requirements</u></p> <p>(a) Records of required monitoring information of the source shall include the following:</p> <p>(1) The date, place, and time of all sampling or measurements;</p> <p>(2) The date analyses were performed;</p> <p>(3) The company or entity that performed the analyses;</p> | <p>Rule 335-3-16-.05(c)(2)</p> |

General Permit Provisos

| Federally Enforceable Provisos | Regulations |
|--|--|
| <ul style="list-style-type: none"> (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>21. <u>Reporting Requirements</u></p> <ul style="list-style-type: none"> (a) Reports to the Department 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 Rule 335-3-16-.04(9). (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>Rule 335-3-16-.05(c)(3)</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>Rule 335-3-1-.05(3) and Rule 335-3-1-.04(1)</p> |

General Permit Provisos

| Federally Enforceable Provisos | Regulations |
|--|---|
| <p>To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:</p> <ul style="list-style-type: none"> (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. (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). (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. (d) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances. <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>Rule 335-3-1-.04</p> <p>Rule 335-3-1-.04</p> |
| <p>23. <u>Payment of Emission Fees</u></p> <p>Annual emission fees shall be remitted each year according to the fee schedule in ADEM Admin. Code r. 335-1-7-.04.</p> | <p>Rule 335-1-7-.04</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>Rule 335-3-1-.04(1)</p> |

General Permit Provisos

| Federally Enforceable Provisos | Regulations |
|---|--------------------------------|
| <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>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>Rule 335-3-16-.05(a)</p> |
| <p>26. <u>Chemical Accidental Prevention Provisions</u></p> <p>If a chemical listed in Table 1 of 40 CFR Part 68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:</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 Part 68 § 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> | <p>40 CFR Part 68</p> |
| <p>27. <u>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>Rule 335-3-14-.01(1)(d)</p> |

General Permit Provisos

| Federally Enforceable Provisos | Regulations |
|--|---|
| <p>28. <u>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> | Rule 335-3-1-.10 |
| <p>29. <u>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> | Rule 335-3-4-.01(1) |
| <p>30. <u>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 Part 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 Part 335-3-5-.01.</p> | <p>Rule 335-3-4-.03</p> <p>Rule 335-3-5-.01</p> |
| <p>31. <u>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 Part 335-3-4-.04.</p> | Rule 335-3-4-.04 |
| <p>32. <u>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> | Rule 335-3-1-.05 |
| <p>33. <u>Emissions Inventory Reporting Requirements</u></p> | Rule 335-3-1-.15 |

General Permit Provisos

| Federally Enforceable Provisos | Regulations |
|--|--------------------------|
| <p>In order to meet the statewide emissions inventory reporting requirements under 40 CFR 51, Appendix A, the permittee shall comply with the reporting requirements under ADEM Admin. Code r. 335-3-1-.15.</p> <p>34. <u>Permit Shield</u></p> <p>(a) A permit shield exists under this operating permit in accordance with ADEM Admin. Code 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.</p> <p>(b) Nothing in this permit shall alter or affect the following:</p> <ol style="list-style-type: none"> (1) The provisions of Section 303 of the Act (emergency orders), including the authority of the Administrator under that section; (2) The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance; (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Act; or (4) The ability of EPA to obtain information from a source pursuant to Section 114 of the Act. | <p>Rule 335-3-16-.10</p> |

Summary Page for Combustion Turbines 1-8

**Permitted
Operating Schedule:** 8760 Hrs/yr

Emission limitations:

| Emission Point # | Description | Pollutant | Emission limit* | Regulation |
|------------------|-------------------------|-----------------|--|------------------------|
| 3 through 10 | Combustion Turbines 1-8 | PM | N/A | N/A |
| | | Opacity | 20% | Rule 335-3-4-.01 |
| | | SO ₂ | Fuel oil sulfur content not to exceed 0.5% | Rule 335-3-5-.01(2)(a) |
| | | NO _x | N/A | N/A |
| | | CO | N/A | N/A |
| | | VOC | N/A | N/A |
| | | HAPs | N/A | N/A |

* Limits are for each unit.

Provisos for Combustion Turbines 1-8

| Federally Enforceable Provisos | Regulations |
|---|---|
| Applicability | |
| 1. These units are subject to the provisions of ADEM Admin. Code r. 335-3-16, "Major Source Operating Permits." | Rule 335-3-16 |
| 2. These units are subject to the applicable provisions of the Cross-State Air Pollution Rule (CSAPR) found in ADEM Admin. Code r. 335-3-5-.06 through 335-3-5-.36 and ADEM Admin. Code r. 335-3-8-.07 through 335-3-8-.70. | Rules 335-3-5-.06 through 335-3-5-.36 and Rules 335-3-8-.07 through 335-3-8-.70 |
| 3. These units are subject to the applicable provisions of 40 CFR 98, "Mandatory Greenhouse Gas Reporting." | 40 CFR 98 |
| Emission Standards | |
| 1. Each turbine shall not burn fuel oil with a sulfur content greater than 0.5 percent as measured by procedures found in ASTM D129-64. | Rule 335-3-5-.01(2)(a) |
| 2. The permittee shall comply with all applicable provisions of Rules 335-3-5-.06 through 335-3-5-.36 and Rules 335-3-8-.07 through 335-3-8-.70. | Rules 335-3-5-.06 through 335-3-5-.36 and Rules 335-3-8-.07 through 335-3-8-.70 |
| Compliance and Performance Test Methods and Procedures | |
| 1. Compliance with the opacity standard shall be determined by EPA Reference Method 9, as found in Appendix A of 40 CFR 60. | Rule 335-3-1-.05 |
| Emission Monitoring | |
| 1. The facility shall comply with the monitoring requirements of 335-3-8-.12. | Rule 335-3-8-.12 |
| Recordkeeping and Reporting Requirements | |
| 1. The facility shall comply with the recordkeeping and reporting requirements of 335-3-8-.12. | Rule 335-3-8-.12 |
| 2. Records documenting the fuel sulfur content will be documented and maintained in a form suitable for inspection. | Rule 335-3-16-.05(c) |
| 3. The permittee shall comply with the recordkeeping and reporting requirements of the Mandatory Greenhouse Reporting Rule found in 40 CFR 98. | 40 CFR 98 |
| CSAPR Requirements | |
| 1. These units are subject to the applicable provisions of Cross-State Air Pollution Rule (CSAPR) to include all applicable provisions of the SO ₂ Group 2 Trading Program requirements. | Rules 335-3-5-.06 through 335-3-5-.36 |

Federally Enforceable Provisos

Regulations

2. These units are subject to the applicable provisions of the CSAPR to include all applicable provisions of the NO_x Annual and Seasonal Trading Program requirements.

Rules 335-3-8-.07 through 335-3-8-.70

DRAFT

Summary Page for Emergency Fire Pump Engine

Permitted Operating Schedule: 8760 Hrs/yr Emergency

Emission limitations:

| Emission Point # | Description | Pollutant | Emission limit | Regulation |
|------------------|----------------------------|-----------|----------------------|------------|
| FP-1 | Emergency Fire Pump Engine | Opacity | See General Provisos | |

DRAFT

Provisos for the Emergency Fire Pump Engine

| Federally Enforceable Provisos | Regulations |
|---|---|
| Applicability | |
| 1. This unit is subject to the provisions of ADEM Admin. Code r. 335-3-16, "Major Source Operating Permits." | Rule 335-3-16 |
| 2. This unit is subject to the provisions of ADEM Admin. Code r. 335-3-10-.02(87), "Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (Subpart III)" and 335-3-11-.06(103), "National Emissions Standards for Hazardous Air Pollutant Emissions from Stationary Reciprocating Internal Combustion Engines (Subpart ZZZZ)." | Rule 335-3-10-.02(87) Rule 335-3-11-.06(103) |
| Emission Standards | |
| 1. By meeting the applicable requirements of 40 CFR 60 Subpart IIII for the Fire Pump Engine, the permittee is considered to be in compliance with 40 CFR 63 Subpart ZZZZ. | Rule 335-3-11-.06(103) (incorporating 40 CFR 63.6590(c)) |
| 2. As a new fire pump engine with a displacement of less than 30 liters per cylinder, this unit is subject to the applicable requirements under Table 4 of 40 CFR 60 Subpart IIII. | Rule 335-3-10-.02(87) (incorporating 40 CFR 60.4205(c)) |
| 3. This unit must use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel. | Rule 335-3-10-.02(87) (incorporating 40 CFR 60.4207) |
| 4. As an emergency stationary RICE, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for more than 50 hours per year, as described below, is prohibited. | Rule 335-3-10-.02(87) (incorporating 40 CFR 60.4211(f)) |
| (a) There is no limit on the use of emergency stationary RICE in emergency situations. | |
| (b) The emergency stationary RICE may be operated for any combination of the purposes specified in 40 CFR 60.4211(f)(2)(i) and 60.4211(f)(3) for a maximum of 100 hours per calendar year. | |
| Compliance and Performance Test Methods and Procedures | |
| 1. The permittee shall comply with the emission standards by purchasing an engine certified by the manufacturer to the emission standards in 40 CFR 60.4202(d), as applicable, for the same model year and maximum engine power. | Rule 335-3-10-.02(87) (incorporating 40 CFR 60.4211(c)) |

Federally Enforceable Provisos**Regulations**

2. The permittee must operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions; change only those emission-related settings that are permitted by the manufacturer; and meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to you.

Rule 335-3-10-.02(87)
(incorporating 40 CFR 60.4211(a))

Emission Monitoring

1. The Emergency Fire Pump must be equipped with a non-resettable hour meter.

Rule 335-3-10-.02(87)
(incorporating 40 CFR 60.4209(a))

Recordkeeping and Reporting Requirements

1. The permittee shall keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The permittee must also record the time of operation of the engine and the reason the engine was in operation during that time.

Rule 335-3-10-.02(87)
(incorporating 40 CFR 60.4214(b))

2. The permittee shall comply with the recordkeeping and reporting requirements of the Mandatory Greenhouse Gas Reporting Rule in 40 CFR 98.

40 CFR 98

Alternate Operating Scenario

1. If this unit is operated as non-emergency stationary RICE, the permittee shall notify ADEM and comply with the applicable provisions of ADEM Admin. Code r. 335-3-10-.02(87), "Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (Subpart III)" and 335-3-11-.06(103), "National Emissions Standards for Hazardous Air Pollutant Emissions from Stationary Reciprocating Internal Combustion Engines (Subpart ZZZZ)" notwithstanding other provisions of this permit to the contrary.

Rule 335-3-10-.02(87)
(incorporating 40 CFR Part 60 Subpart III)