



MAJOR SOURCE OPERATING PERMIT

PERMITTEE: Southern Natural Gas Company, LLC

FACILITY NAME: Gallion Compressor Station

FACILITY/PERMIT NO.: 406-0003

LOCATION: Gallion, Hale 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

Effective Date: Draft

Expiration Date: December 13, 2031

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General Permit Provisos	
Federally Enforceable Provisos	Regulations
1. <u>Transfer</u> 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.	ADEM Admin. Code r. 335-3-16-.02(6)
2. <u>Renewals</u> 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. 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.	ADEM Admin. Code r. 335-3-16-.12(2)
3. <u>Severability Clause</u> 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.	ADEM Admin. Code r. 335-3-16-.05(e)
4. <u>Compliance</u> (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. (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.	ADEM Admin. Code r. 335-3-16-.05(f) ADEM Admin. Code r. 335-3-16-.05(g)
5. <u>Termination for Cause</u> 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.	ADEM Admin. Code r. 335-3-16-.05(h)

General Permit Provisos	
Federally Enforceable Provisos	Regulations
6. <u>Property Rights</u> The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.	ADEM Admin. Code r. 335-3-16-.05(i)
7. <u>Submission of Information</u> 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.	ADEM Admin. Code r. 335-3-16-.05(j)
8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u> 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.	ADEM Admin. Code r. 335-3-16-.05(k)
9. <u>Certification of Truth, Accuracy, and Completeness</u> 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.	ADEM Admin. Code r. 335-3-16-.07(a)
10. <u>Inspection and Entry</u> 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: (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;	ADEM Admin. Code r. 335-3-16-.07(b)

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(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements. 11. <u>Compliance Provisions</u> (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. 12. <u>Compliance Certification</u> The permittee shall submit a complete and accurate compliance certification by February 12th of each year for each annual reporting period of this permit (December 14th through December 13th). (a) The compliance certification shall include the following: (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; (b) The compliance certification shall be submitted to: Alabama Department of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463 and to: CEDRI or via email to EPA_R4_CAA_Reports@epa.gov 13. <u>Reopening for Cause</u> Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:	ADEM Admin. Code r. 335-3-16-.07(c) ADEM Admin. Code r. 335-3-16-.07(e) ADEM Admin. Code r. 335-3-16-.13(5)

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(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. (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. (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. (d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.	
14. <u>Additional Rules and Regulations</u> 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.	§22-28-16(d), <u>Code of Alabama 1975</u>, as amended
15. <u>Equipment Maintenance or Breakdown</u> (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: (1) Identification of the specific facility to be taken out of service as well as its location and permit number; (2) The expected length of time that the air pollution control equipment will be out of service; (3) The nature and quality of emissions of air contaminants likely to occur during the shutdown period;	ADEM Admin. Code r. 335-3-1-.07(1),(2)

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(4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; (5) The reasons that it would be impossible or impractical to shut down the sources operation during the maintenance period. (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. 16. <u>Operation of Capture and Control Devices</u> 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. 17. <u>Obnoxious Odors</u> 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. 18. <u>Fugitive Dust</u> (a) Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc. (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: (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;	§22-28-16(d), <u>Code of Alabama 1975</u>, as amended ADEM Admin. Code r. 335-3-1-.08 ADEM Admin. Code r. 335-3-4-.02

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(2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created; (3) By paving; (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. 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. 19. Additions and Revisions 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. 20. Recordkeeping Requirements (a) Records of required monitoring information of the source shall include the following: (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. (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.	ADEM Admin. Code r. 335-3-16-.13 and 335-3-16-.14 ADEM Admin. Code r. 335-3-16-.05(c)2.

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21. <u>Reporting Requirements</u> (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). (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. 22. <u>Emission Testing Requirements</u> 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. 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. To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter: (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 require 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. 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.	ADEM Admin. Code r. 335-3-16-.05(c)3. ADEM Admin. Code r. 335-3-1-.05(3) and 335-3-1-.04(1) ADEM Admin. Code r. 335-3-1-.04 ADEM Admin. Code r. 335-3-1-.04

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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. 23. <u>Payment of Emission Fees</u> (a) The permittee shall submit 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 (b) The permittee shall submit its estimates of actual emissions for the previous calendar year according to the schedule in ADEM Admin. Code r. 335-1-7-.05. 24. <u>Other Reporting and Testing Requirements</u> 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. 25. <u>Title VI Requirements (Refrigerants)</u> 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. 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. 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. 26. <u>Chemical Accidental Prevention Provisions</u> 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: (a) The owner or operator shall comply with the provisions in 40 CFR Part 68. (b) The owner or operator shall submit one of the following:	ADEM Admin. Code r. 335-1-7-.05 ADEM Admin. Code r. 335-1-7-.05 ADEM Admin. Code r. 335-3-1-.04(1) ADEM Admin. Code r. 335-3-16-.05(a) 40 CFR Part 68

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(1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or, (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.	
27. <u>Display of Permit</u>	
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.	ADEM Admin. Code r. 335-3-14-.01(1)(d)
28. <u>Circumvention</u>	
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.	ADEM Admin. Code r. 335-3-1-.10
29. <u>Visible Emissions</u>	
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.	ADEM Admin. Code r. 335-3-4-.01(1)
30. <u>Fuel-Burning Equipment</u>	
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.	ADEM Admin. Code r. 335-3-4-.03
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.	ADEM Admin. Code r. 335-3-5-.01
31. <u>Process Industries – General</u>	
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.	ADEM Admin. Code r. 335-3-4-.04

General Permit Provisos	
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32. <u>Averaging Time for Emission Limits</u> 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.	ADEM Admin. Code r. 335-3-1-.05
33. <u>Open Burning</u> 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.	ADEM Admin. Code r. 335-3-3-.01
34. <u>Permit Shield</u> 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.	ADEM Admin. Code r. 335-3-16-.10

Emission Unit Nos. 001 and 002 (Engine Nos. C004 and C005)

Summary Page

Description: Two 1,960 hp Worthington UTC-167, 2-Stroke, Lean Burn Natural Gas-fired Reciprocating Engines

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

Emission Limitations:

Emission Point No.	Description	Pollutant	Emission Limit	Regulation
001	1,960 hp Worthington UTC-167, 2-Stroke, Lean Burn Natural Gas-fired Reciprocating Engine	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
002	1,960 hp Worthington UTC-167, 2-Stroke, Lean Burn Natural Gas-fired Reciprocating Engine	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 Nos. 001 and 002 (Engine Nos. C004 and C005)

Unit Specific Provisos

Federally Enforceable Provisos	Regulations
1. <u>Applicability</u> (a) These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “Major Source Operating Permits.” (b) These units are affected sources under 40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. 2. <u>Emission Standards</u> The permittee shall not discharge more than one six-minute average opacity greater than 20% during any 60-minute period from these units. At no time shall the permittee discharge a six-minute average opacity of particulate emissions greater than 40% from these units. 3. <u>Compliance and Performance Test Methods and Procedures</u> If testing is required, opacity shall be determined by 40 CFR Part 60, Appendix A, Reference Method 9. 4. <u>Emission Monitoring</u> The permittee shall only fire natural gas in these units. 5. <u>Recordkeeping and Reporting Requirements</u> 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 (December 14th - June 13th and June 14th - December 13th). The report shall include a statement addressing whether only natural gas was fired in these units during the reporting period.	ADEM Admin. Code r. 335-3-16-.03 ADEM Admin. Code r. 335-3-11-.06(103) and 40 CFR Part 63, Subpart ZZZZ ADEM Admin. Code r. 335-3-4-.01(1) ADEM Admin. Code r. 335-3-1-.05 ADEM Admin. Code r. 335-3-16-.05(c) ADEM Admin. Code r. 335-3-16-.05(c)

Emission Unit No. 003 (Compressor Engine No. C006)

Summary Page

Description: 1,750 hp Worthington SUTC-7, 2-Stroke, Lean Burn Natural Gas-fired Reciprocating Engine

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
003	1,750 hp Worthington SUTC-7, 2-Stroke, Lean Burn Natural Gas-fired Reciprocating Engine	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. 003 (Engine No. C006)

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." (b) This unit is an affected source under 40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. 2. <u>Emission Standards</u> The permittee shall not discharge more than one six-minute average opacity greater than 20% during any 60-minute period from this unit. At no time shall the permittee discharge a six-minute average opacity of particulate emissions greater than 40% from this unit. 3. <u>Compliance and Performance Test Methods and Procedures</u> If testing is required, opacity shall be determined by 40 CFR Part 60, Appendix A, Reference Method 9. 4. <u>Emission Monitoring</u> The permittee shall only fire natural gas in this unit. 5. <u>Recordkeeping and Reporting Requirements</u> 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 (December 14th - June 13th and June 14th - December 13th). The report shall include a statement addressing whether only natural gas was fired in this unit during the reporting period.	ADEM Admin. Code r. 335-3-16-.03 ADEM Admin. Code r. 335-3-11-.06(103) and 40 CFR Part 63, Subpart ZZZZ ADEM Admin. Code r. 335-3-4-.01(1) ADEM Admin. Code r. 335-3-1-.05 ADEM Admin. Code r. 335-3-16-.05(c) ADEM Admin. Code r. 335-3-16-.05(c)

Emission Unit No. 004 (Engine No. C008)

Summary Page

Description: 4,000 hp Dresser Rand, Clark TCVA-10, 2-Stroke, Lean Burn Natural Gas-fired Reciprocating Engine

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
004	4,000 hp Dresser Rand, Clark TCVA-10, 2-Stroke, Lean Burn Natural Gas-fired Reciprocating Engine	NO _x	132.28 lb/hr	ADEM Admin. Code r. 335-3-14-.04 (BACT)
		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. 004 (Engine No. C008)

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 a BACT emission limitation established pursuant to ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration Permitting (PSD)]."	ADEM Admin. Code r. 335-3-14-.04
(c) This unit is an affected source under 40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.	ADEM Admin. Code r. 335-3-11-.06(103) and 40 CFR Part 63, Subpart ZZZZ
2. <u>Emission Standards</u>	
(a) The permittee shall not cause or allow emissions of nitrogen oxides (NO _x) from this unit to exceed 132.28 lb/hr.	ADEM Admin. Code r. 335-3-14-.04
(b) The permittee shall not discharge more than one six-minute average opacity greater than 20% during any 60-minute period from this unit. At no time shall the permittee discharge a six-minute average opacity of particulate emissions greater than 40% from this unit.	ADEM Admin. Code r. 335-3-4-.01(1)
3. <u>Compliance and Performance Test Methods and Procedures</u>	
(a) Compliance with the nitrogen oxides (NO _x) emission rate of this unit shall be determined by EPA Reference Methods 1, 2, 3 and 4 or 19, and EPA Reference Method 7E in Appendix A of 40 CFR Part 60.	ADEM Admin. Code r. 335-3-1-.05
(b) If testing is required, opacity shall be determined by 40 CFR Part 60, Appendix A, Reference Method 9.	ADEM Admin. Code r. 335-3-1-.05

Federally Enforceable Provisos	Regulations
4. <u>Emission Monitoring</u> (a) Emission testing shall be conducted semiannually to determine compliance with the applicable emission standard(s). Testing shall be conducted twice per calendar year at a frequency of once per semiannual period (January 1st - June 30th and July 1st - December 31st), with a minimum of three (3) calendar months elapsing between test. 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 a portable analyzer (CTM-034) in accordance with a protocol/method approved in advance by the Air Division. (b) The permittee shall only fire natural gas in this unit. 5. <u>Recordkeeping and Reporting Requirements</u> (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 (December 14th - June 13th and June 14th - December 13th). 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. (b) The permittee shall submit the results of all emission tests conducted to the Air Division within 30 days of the actual completion of the test unless the Air Division specifically approves an extension of time.	ADEM Admin. Code r. 335-3-16-.05(c) ADEM Admin. Code r. 335-3-16-.05(c) ADEM Admin. Code r. 335-3-16-.05(c) ADEM Admin. Code r. 335-3-16-.05(c)

Emission Unit No. 005 (Engine No. C009)

Summary Page

Description: 4,000 hp Dresser-Rand, Clark TCVA-10, 2-Stroke, Lean Burn Natural Gas-fired Reciprocating Engine

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
005	4,000 hp Dresser-Rand, Clark TCVA-10, 2- Stroke, Lean Burn Natural Gas-fired Reciprocating Engine	NO _x	19.40 lb/hr	ADEM Admin. Code r. 335-3-14-.04 (BACT)
		CO	23.63 lb/hr	ADEM Admin. Code r. 335-3-14-.04 (BACT)
		VOC	13.40 lb/hr	ADEM Admin. Code r. 335-3-14-.04 (BACT)
		SO ₂	N/A	N/A
		PM	N/A	N/A
		HAP	N/A	N/A

Emission Unit No. 005 (Engine No. C009)

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 a BACT emission limitation established pursuant to ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant deterioration Permitting (PSD)]."	ADEM Admin. Code r. 335-3-14-.04
(c) This unit is an affected source under 40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.	ADEM Admin. Code r. 335-3-11-.06(103) and 40 CFR Part 63, Subpart ZZZZ
2. <u>Emission Standards</u>	
(a) The permittee shall not cause or allow emissions of nitrogen oxides (NO _x) from this unit to exceed 19.40 lb/hr.	ADEM Admin. Code r. 335-3-14-.04
(b) The permittee shall not cause or allow emissions of carbon monoxide (CO) from this unit to exceed 23.63 lb/hr.	ADEM Admin. Code r. 335-3-14-.04
(c) The permittee shall not cause or allow emissions of volatile organic compounds (VOC) from this unit to exceed 13.40 lb/hr.	ADEM Admin. Code r. 335-3-14-.04
(d) The permittee shall not discharge more than one six-minute average opacity greater than 20% during any 60-minute period from this unit. At no time shall the permittee discharge a six-minute average opacity of particulate emissions greater than 40% from this unit.	ADEM Admin. Code r. 335-3-4-.01(1)
3. <u>Compliance and Performance Test Methods and Procedures</u>	
(a) Compliance with the nitrogen oxides (NO _x) emission rate of this unit shall be determined by EPA Reference Methods 1, 2, 3 and 4 or 19, and EPA Reference Method 7E in Appendix A of 40 CFR Part 60.	ADEM Admin. Code r. 335-3-1-.05
(b) Compliance with the carbon monoxide (CO) emission rate of this unit shall be determined by EPA Reference Methods 1, 2, 3 and 4 or 19, and EPA Reference Method 10 in Appendix A of 40 CFR Part 60.	ADEM Admin. Code r. 335-3-1-.05
(c) Compliance with the volatile organic compound (VOC) emission rate of each unit shall be determined by EPA Reference Methods 1, 2, 3 and 4 or 19, and EPA Reference Methods 25A and/or 18 in Appendix A of 40 CFR Part 60. Emission test results shall be reported as propane.	ADEM Admin. Code r. 335-3-1-.05

Federally Enforceable Provisos	Regulations
(d) If testing is required, opacity shall be determined by 40 CFR Part 60, Appendix A, Reference Method 9.	ADEM Admin. Code r. 335-3-1-.05
4. <u>Emission Monitoring</u>	
(a) Emission testing shall be conducted semiannually to determine compliance with the applicable emission standards. Testing shall be conducted twice per calendar year at a frequency of once per semiannual period (January 1st - June 30th and July 1st - December 31st), with a minimum of three (3) calendar months elapsing between test. 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 a portable analyzer (CTM-034) in accordance with a protocol/method approved in advance by the Air Division.	ADEM Admin. Code r. 335-3-16-.05(c)
(b) The permittee shall only fire natural gas in this unit.	ADEM Admin. Code r. 335-3-16-.05(c)
5. <u>Recordkeeping and Reporting Requirements</u>	
(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 (December 14th - June 13th and June 14th - December 13th). 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.	ADEM Admin. Code r. 335-3-16-.05(c)
(b) The permittee shall submit the results of all emission tests conducted to the Air Division within 30 days of the actual completion of the test unless the Air Division specifically approves an extension of time.	ADEM Admin. Code r. 335-3-16-.05(c)

Emission Unit No. 006 (Emergency Generator No. G003)**Summary Page**

Description: 751 hp Caterpillar G3412, 4-Stroke, Rich-Burn Natural Gas-fired Emergency Generator Engine

Permitted Operating Schedule: $\frac{500 \text{ Hours}}{\text{Year}}$

Emission Limitations:

Emission Point No.	Description	Pollutant	Emission Limit	Regulation
006	751 hp Caterpillar G3412, 4-Stroke, Rich-Burn Natural Gas-fired Emergency Generator Engine	NO _x	500 hr/yr	ADEM Admin. Code r. 335-3-14-.04
		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. 006 (Emergency Generator No. G003)

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." (b) This unit is subject to a synthetic minor source emission limit to restrict its 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)]. (c) This unit is an affected source under 40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE), and meets the definition of an emergency stationary RICE as defined by 40 CFR §63.6675. The permittee shall only operate this unit as an emergency stationary RICE as specified by 40 CFR §63.6640(f).	ADEM Admin. Code r. 335-3-16-.03 ADEM Admin. Code r. 335-3-14-.04 ADEM Admin. Code r. 335-3-11-.06(103) and 40 CFR Part 63, Subpart ZZZZ
2. <u>Emission Standards</u> (a) The permittee shall not operate this unit in excess of 500 hours during any consecutive 12-month period. (b) The permittee shall not discharge more than one six-minute average opacity greater than 20% during any 60-minute period from this unit. At no time shall the permittee discharge a six-minute average opacity of particulate emissions greater than 40% from this unit. (c) The permittee shall not operate this unit except as provided in 40 CFR §63.6640(f)(1) through (f)(4), which includes but may not be limited to:. (i) Emergency Situations; (ii) Operate the emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engines. Maintenance checks and readiness testing of the units are limited to 100 hours per year; and	ADEM Admin. Code r. 335-3-14-.04 ADEM Admin. Code r. 335-3-4-.01(1) 40 CFR §63.6640

Federally Enforceable Provisos	Regulations
(iii) Operate the emergency stationary RICE 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. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.	
3. <u>Compliance and Performance Test Methods and Procedures</u>	
If testing is required, opacity shall be determined by 40 CFR Part 60, Appendix A, Reference Method 9.	ADEM Admin. Code r. 335-3-1-.05
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) Within 10 days of the end of the month, the permittee shall calculate the hours of operation for this unit for the previous calendar month.	ADEM Admin. Code r. 335-3-16-.05(c)
5. <u>Recordkeeping and Reporting Requirements</u>	
(a) The permittee shall maintain a record of the hours of operation for this unit on a calendar basis. These records shall be maintained in a permanent form suitable for inspection and be made available upon request.	ADEM Admin. Code r. 335-3-16-.05(c)
(b) 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 (December 14th - June 13th and June 14th - December 13th). The report shall include a statement addressing whether only natural gas was fired in this unit during the reporting period.	ADEM Admin. Code r. 335-3-16-.05(c)

Emission Unit No. FGH1 (Fuel Gas Heater No. 1)

Summary Page

Description: One 0.25 MMBtu/hr Silvalls SB-16-6, 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
FGH1	One 0.25 MMBtu/hr Silvalls SB-16-6, 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. FGH1 (Fuel Gas Heater No. 1)

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 Subpart 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>	
The permittee shall not discharge more than one six-minute average opacity greater than 20% during any 60-minute period from this unit. At no time shall the permittee discharge a six-minute average opacity of particulate emissions greater than 40% from this unit.	ADEM Admin. Code r. 335-3-4-.01(1)
3. <u>Compliance and Performance Test Methods and Procedures</u>	
If testing is required, opacity shall be determined by 40 CFR Part 60, Appendix A, Reference Method 9.	ADEM Admin. Code r. 335-3-1-.05
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) The permittee shall complete a tune-up on this unit every five years following the January 31, 2016, compliance date as specified in 40 CFR §63.7540(a)(10)(i) through (vi).	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 after the January 31, 2016, compliance date containing the information specified in 40 CFR §63.7550(c). The compliance report must be postmarked or submitted no later than January 31 st following the end of the five year period.	40 CFR §63.7550

Federally Enforceable Provisos	Regulations
(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 (December 14th - June 13th and June 14th - December 13th). The report shall include a statement addressing whether only natural gas was fired in this unit during the reporting period.	ADEM Admin. Code r. 335-3-16-.05(c)