



MAJOR SOURCE OPERATING PERMIT

PERMITTEE: BIOENERGY ALABAMA LLC

FACILITY NAME: SAND VALLEY LFGTE POWER STATION

FACILITY/PERMIT NO.: 703-0045

LOCATION: COLLINSVILLE, 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:

Effective Date:

Expiration Date:

Alabama Department of Environmental Management

TABLE OF CONTENTS

GENERAL PERMIT PROVISOS.....	3
SUMARY PAGE FOR Sand Valley LFGTE Power Station Generators.....	13
PROVISOS FOR Sand Valley LFGTE Power Station Generators.....	14
<i>Applicability.....</i>	<i>14</i>
<i>Emission Standards.....</i>	<i>14</i>
<i>Compliance and Performance Test Methods and Procedures.....</i>	<i>14</i>
<i>Emission Monitoring.....</i>	<i>15</i>
<i>Recordkeeping and Reporting Requirements.....</i>	<i>15</i>
SUMARY PAGE FOR Sand Valley LFGTE Power Station Treatment System.....	17
PROVISOS FOR Sand Valley LFGTE Power Station Treatment System	18
<i>Applicability.....</i>	<i>18</i>
<i>Emission Standards.....</i>	<i>18</i>
<i>Compliance and Performance Test Methods and Procedures.....</i>	<i>18</i>
<i>Emission Monitoring.....</i>	<i>18</i>
<i>Recordkeeping and Reporting Requirements.....</i>	<i>19</i>

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> <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, subdivision, 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</p>	<p>Rule 335-3-16-.02(6)</p> <p>Rule 335-3-16-.12(2)</p> <p>Rule 335-3-16-.05(e)</p> <p>Rule 335-3-16-.05(f)</p> <p>Rule 335-3-16-.05(g)</p> <p>Rule 335-3-16-.05(h)</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>a notification of planned changes or anticipated noncompliance will not stay any permit condition.</p>	
<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>Rule 335-3-16-.05(i)</p>
<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>	<p>Rule 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>Rule 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 except as provided in Rule 335-3-16-.04-(9)(b). 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>Rule 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; 	<p>Rule 335-3-16-.07(b)</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<ul style="list-style-type: none"> (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, or within an alternative timeline approved by the Director.</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 335-3-16-.05(3) (Monitoring and Recordkeeping Requirements); (4) Whether compliance has been continuous or intermittent; (5) Such other facts as the Department may require to determine the compliance status of the source; (b) The compliance certification shall be submitted to the Air and EPCRA Enforcement Branch at EPA, Region IV through the Compliance and Emissions Data Reporting Interface (CEDRI) located on EPA's Central Data Exchange (CDX), and should also be mailed to the Alabama 	<p>Rule 335-3-16-.07(e)</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>Department of Environmental Management's Air Division at P.O. Box 301463, Montgomery, AL 36130-1463.</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> <ul style="list-style-type: none"> (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. 	<p>Rule 335-3-16-.13(5)</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), Code of Alabama 1975, as amended</p>
<p>15. <u>Equipment Maintenance or Breakdown</u></p> <ul style="list-style-type: none"> (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>Rule 335-3-1-.07(1), (2)</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<ul style="list-style-type: none"> (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 quantity of emissions of air contaminants likely to occur during the shutdown period; (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 source 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 shall be notified when the breakdown has been corrected. 	
<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), Code of Alabama 1975, 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>	

General Permit Provisos

Federally Enforceable Provisos	Regulations
<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>(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 Department prior to utilization.</p>	<p>Rule 335-3-4-.02</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>(4) The analytical techniques or methods used;</p>	<p>Rule 335-3-16-.05(c) 2.</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>(5) The results of all analyses; and</p> <p>(6) The operating conditions that existed at the time of sampling or measurement.</p> <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> <p>(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).</p> <p>(b) Deviations from permit requirements shall be reported within 48 hours or 2 working day 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>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>To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:</p> <p>(1) 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>Rule 335-3-1-.05(3) and Rule 335-3-1-.04(1)</p> <p>Rule 335-3-1-.04</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>(2) 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).</p> <p>(3) 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>(4) 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>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>
<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>335-3-16-.05(a)</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<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 Part 68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:</p> <ul style="list-style-type: none"> (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: <ul style="list-style-type: none"> (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, (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>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 be made 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>
<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 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>Rule 335-3-1-.10</p>
<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>	<p>Rule 335-3-4-.01(1)</p>
<p>30. <u>Fuel-Burning Equipment</u></p>	

General Permit Provisos

Federally Enforceable Provisos	Regulations
(a) 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.	Rule 335-3-4-.03
(b) 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.	Rule 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 Part 335-3-4-.04.	Rule 335-3-4-.04
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.	Rule 335-3-1-.05

Emission Unit No. 001 Summary Page

Emission Unit(s): Three (3) 2242 Brake Horespower, Spark Ignition,
Stationary Internal Combustion Engines, Caterpillar
G3520

Designation No(s). in Application: 001

Company: Bio Energy (Alabama) LLC

Description: Generators

Permitted Operating Schedule: 24 hr/day x 365 days/yr. = 8760 hr/yr.

Type and quantity of fuel used:

Primary: Landfill Gas
Secondary: None

Pollutants Emitted:

Pollutant	Regulatory Emission Limit	Applicable Standard
HAP		335-3-11-.06 (103)
NO _x	3.0 g/HP-hr	335-3-10-.02 (88)
CO	3.8 g/HP-hr	335-3-10-.02 (88) 335-3-14.04
VOC	1.0 g/HP-hr	335-3-10-.02 (88)

Provisos for Sand Valley LFGTE Power Station

Federally Enforceable Provisos	Regulations
<i>Section 1--Applicability</i>	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."	ADEM Admin. Rule R. 335-3-16-.03
2. This source is subject to a PSD synthetic minor emission limitation.	ADEM Admin. Rule R. 335-14-.04
3. This source is subject to the applicable parts of 40 CFR 63 Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.	ADEM Admin. Rule R. 335-3-11-.06(103)
4. This source is subject to the applicable parts of New Source Performance Standards 40 CFR 60 Subpart JJJJ, Standards of Performance for Stationary Spark Ignition Internal Combustion Engines.	ADEM Admin. Rule R. 335-3-10-.03(88)
5. This source is subject to the applicable parts of National Emission Standards for Hazardous Air Pollutants 40 CFR 63 – Subpart A – General Provisos.	ADEM Admin. Rule R. 335-3-11-.06(1)
<i>Section 2--Emission Standards</i>	
1. Emission of Carbon Monoxide (CO) from the plant wide operations shall not exceed 246.8 in any consecutive rolling 12-month period.	ADEM Admin Rule R. 335-3-14-.04(8)
2. The permittee shall not cause or allow emission of nitrogen oxides (NO _x) from each engine in excess of 3.0 g/Hp-hr or 220 ppmvd at 15% O ₂ .	ADEM Admin. Rule R. 335-3-10-.03(88)
3. The permittee shall not cause or allow emissions of carbon monoxide (CO) from each unit in excess of 3.8 g/Hp-hr or 610 ppmvd at 15% O ₂ .	ADEM Admin. Rule R. 335-3-10-.03(88) ADEM Admin. Rule R. 335-14-.04
4. The permittee shall not cause or allow emissions of volatile organic compounds (VOC) from each unit in excess of 1.0 g/Hp-hr or 80 ppmvd at 15% O ₂ .	ADEM Admin. Rule R. 335-3-10-.03(88)
5. The permittee shall not cause or allow visible emissions with a six-minute average opacity greater than 20% to be emitted more than one during any 60-minute period. The permittee shall not cause or allow visible emissions with a six-minute average opacity greater than 40% to be emitted at any time.	ADEM Admin. Rule R. 335-3-4-.01(1)
<i>Section 3--Compliance and Performance Test Methods and Procedures</i>	
1. Performance tests to determine compliance with the nitrogen oxides (NO _x), carbon monoxide (CO), and volatile organic compound (VOC) emission limitations for each unit shall be conducted in accordance with the procedures and methods specified in 40 CFR §60.4244 and Table 2 to Subpart JJJJ.	ADEM Admin. Rule R. 335-3-10-.03(88)
2. Compliance with the carbon monoxide (CO) emission rate of each unit shall be determined by EPA Reference Methods 1, 2, 3 and 4 or 19, and EPA Reference	ADEM Admin. Rule R. 335-3-1-.05

Federally Enforceable Provisos	Regulations
<p>Method 10 in Appendix A of 40 CFR Part 60. Alternate test methods may be used provided prior approval by the Air Division is granted.</p>	
<p><i>Section 4--Emission Monitoring</i></p>	
<p>1. The permittee shall only fire landfill gas in these units.</p>	<p>ADEM Admin. Rule R. 335-3-16.05(c)</p>
<p>2. The permittee shall monitor and record fuel usage daily by a fuel meter measuring the volumetric flow rate of landfill gas. In addition, permittee must operate Recipricating Internal Combustion Enginer (RICE) in a manner which reasonably minimizes HAP emissions.</p>	<p>ADEM Admin. Rule R. 335-3-11-.06(103)</p>
<p>3. The permittee shall conduct emission testing for each unit every 8,760 hours of operation or every three years, whichever comes first, using the appropriate EPA Reference Method or an alternative method approved in advance by the Air Division, to demonstrate compliance with the applicable NO_x, CO, and VOC standards.</p>	<p>ADEM Admin. Rule R. 335-3-10-.03(88)</p>
<p>4. The permittee shall maintain a maintenance plan on file, records of all maintenance conducted on each engine, and to the extent practicalbe, maintain and operate each engine in a manner consistent with good air pollution control practices for minimizing emissions.</p>	<p>ADEM Admin. Rule R. 335-3-10-.03(88)</p>
<p><i>Section 5—Recordkeeping and Reporting Requirements</i></p>	
<p>1. The permittee shall keep the records of the daily fuel usage monitors.</p>	<p>ADEM Admin. Rule R. 335-3-11-.06(103)</p>
<p>2. The permittee shall submit a report containing the data specified in 40 CFR §63.6650(g) and Table 7 to Subpart ZZZZ. This data includes, but may not be limited to:</p> <ul style="list-style-type: none"> a. Fuel flow rate and the heating values that were used in the calculations, and a statement addressing whether only landfill gas was fired in these units. b. The operating limits provided to the permittee in this permit, and any deviations from these limits. c. Any problems or errors suspected with the meters. 	<p>ADEM Admin. Rule R. 335-3-11-.06(103)</p>
<p>3. The permittee shall maintain the following records and all applicable records specified in 40 CFR §60.4245. These records include, but may not be limited to:</p> <ul style="list-style-type: none"> a. A copy of each notification and report submitted to comply with 40 CFR Part 60, Subpart JJJJ, including all documentation supporting any notifications; b. Maintenance conducted on each engine. 	<p>ADEM Admin. Rule R. 335-3-10-.03(88)</p>

Federally Enforceable Provisos	Regulations
<p>4. The permittee shall keep each required record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee shall keep each record readily accessible in hard copy or electronic form on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee may keep the records off site for the remaining 3 years.</p>	<p>ADEM Admin. Rule R. 335-3-11-.06(103)</p>
<p>5. The permittee shall submit the following notifications and all applicable notifications specified in 40 CFR §60.4245. These notifications include, but may not be limited to:</p> <p>a. The permittee shall submit a written notification of the intent to conduct a performance test to the Air Division at least 30 days prior to conducting a performance test. The notification shall include a copy of the site-specific test plan required by 40 CFR 60.8(d).</p>	<p>ADEM Admin. Rule R. 335-3-10-.03(88)</p>
<p>6. The permittee shall submit the following reports and all applicable reports specified in 40 CFR §60.4245. These reports include, but may not be limited to:</p> <p>a. The permittee shall submit a report of the results of all performance tests conducted to the Air Division within 60 days of completing the test.</p>	<p>ADEM Admin. Rule R. 335-3-10-.03(88)</p>
<p>7. Records shall be kept of the quantity of CO emitted each month and a rolling 12-month total in units of tons. These records shall be included in the reports submitted on a semi-annual basis.</p>	<p>ADEM Admin. Rule R. 335-14-.04</p>

Emission Unit No. 002
Summary Page

Emission Unit(s): Landfill Gas Treatment System
Designation No(s). in Application: 002
Company: Bio Energy (Alabama) LLC
Description: Landfil Gas Treatment System

Permitted Operating Schedule: 24 hr/day x 365 days/yr. = 8760 hr/yr.

Type and quantity of fuel used:

Primary: Landfill Gas
Secondary: None

Pollutants Emitted:

Pollutant	Regulatory Emission Limit	Applicable Standard
NMOC	N/A	335-3-10-.02 (75) 335-3-11-.06(78)

Provisos for Sand Valley LFGTE Power Station

Federally Enforceable Provisos	Regulations
<i>Section 1--Applicability</i>	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."	ADEM Admin. Rule R. 335-3-16-.03
2. This source is subject to a PSD synthetic minor emission limitation.	ADEM Admin. Rule R. 335-14-.04
3. This source shall meet the applicable requirements of National Emission Standards for Hazardous Air Pollutants 40 CFR 63 – Subpart A – General Provisos.	ADEM Admin. Rule R. 335-3-11-.06(1)
4. This source shall meet the requirements of New Source Performance Standards 40 CFR 62 Subpart OOO Standards of Performance for Municipal Solid Waste Landfills That Commenced Construction On or Before July 17, 2014 and Have Not Been Modified or Reconstructed Since July 2014.	40 CFR 62 Subpart OOO
5. This source shall meet the requirements of 40 CFR 63 Subpart AAAA, National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills.	ADEM Admin. Rule R. 335-3-11-.06(78)
<i>Section 2--Emission Standards</i>	
1. Venting of treated landfill gas to the ambient air is not allowed.	ADEM Admin Rule R. 335-3-11-.06(78)
2. The treatment system shall be operated at all times when collected gas is routed to the system.	ADEM Admin Rule R. 335-3-11-.06(78)
3. All emissions from any atmospheric vent from the gas treatment system are subject to the control requirements of 40 CFR 63.1959(b)(2)(iii)(A) or (B).	ADEM Admin Rule R. 335-3-11-.06(78)
<i>Section 3--Compliance and Performance Test Methods and Procedures</i>	
1. A device that records flow to the treatment system at least every 15 minutes, must be calibrated, maintained, and operated according to the manufacturer's specifications.	ADEM Admin Rule R. 335-3-11-.06(78)
<i>Section 4--Emission Monitoring</i>	
1. The owner or operator shall have a site-specific monitoring plan which includes the following:	ADEM Admin. Rule R. 335-3-11-.06(78)
a. Monitoring records of parameters that are identified in the treatment system monitoring plan and ensure that the treatment system is operating properly for the intended end use of the treated landfill gas.	
b. Monitoring methods, frequencies, and operating ranges for each monitored operating parameter based on manufacturer's recommendations or engineering analysis for each intended end use of the treated landfill gas.	
c. Documentaion of the monitoring methods and ranges, along with justification for their use.	

Federally Enforceable Provisos	Regulations
<ul style="list-style-type: none"> d. List of responsible staff (by job title) for data collection. e. Processes and methods used to collect the necessary data. 	
<i>Section 5—Recordkeeping and Reporting Requirements</i>	
<ul style="list-style-type: none"> 1. The owner or operator shall submit a report on a semi-annual basis including the following: <ul style="list-style-type: none"> a. The number of times the parameters for the treatment system were exceeded. b. A description and duration of all periods when the treatment system was not operating and gas was not able to be diverted to the control device. 	ADEM Admin Rule R. 335-3-11-.06(78)