



SYNTHETIC MINOR OPERATING PERMIT

PERMITTEE: ALABAMA GRAPHITE PRODUCTS, LLC
FACILITY NAME: KELLYTON GRAPHITE PROCESSING PLANT
LOCATION: KELLYTON, COOSA COUNTY, ALABAMA

PERMIT NUMBER	DESCRIPTION OF EQUIPMENT, ARTICLE OR DEVICE
306-0017-X001	Graphite Purification Building: 1200 Area Kiln, 1200 Area Graphite Concentrate Bin, 1300 Area Leaching and Filtration with Leach Area Scrubber, 1400 Area Purification Drying with Purification Dryer Product Collector, and 1500 Area Thermal Purification with Thermal Purification Furnace (TPF) No. 1, TPF No. 2, TPF Thermal Oxidizer, TPF Dust Collection and TPF Scrubber. All sources routed to Purification Stack ST-10922. 7000s area hot oil heater and steam generator.

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.

ISSUANCE DATE: DRAFT

**ALABAMA GRAPHITE PRODUCTS, LLC
KELLYTON, ALABAMA
(PERMIT NO.: 306-0017-X001)
PROVISOS**

1. 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.
2. This permit is not transferable. Upon sale or legal transfer, the new owner or operator must apply for a permit within thirty (30) days.
3. A new permit application must be made for new sources, replacements, alterations or design changes which may result in the issuance of, or an increase in the issuance of, air contaminants, or the use of which may eliminate or reduce or control the issuance of air contaminants.
4. The permittee shall keep this permit under file or on display at all times at the site where the facility for which the permit is issued is located and shall make the permit readily available for inspection by any or all persons who may request to see it.
5. 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.
6. All air pollution control equipment shall be operated at all times while this process is operational. In the event of scheduled maintenance, unscheduled maintenance, or a breakdown of the pollution control equipment, the process shall be shutdown as expeditiously as possible (unless this act and subsequent re-start would clearly cause greater emissions than continuing operations of the process for a short period). The Department shall be notified of all such events **that exceed 1 hour** within 24 hours. The notification shall include all pertinent facts, including the duration of the process operating without the control device and the level of excess emissions which have occurred. Records of all such events, regardless of reporting requirements, shall be made and maintained for a period of five years. These records shall be available for inspection.
7. In the event there is a breakdown of air pollution control or process equipment in such a manner as to cause increased emission of air contaminants for a period greater than **1 hour**, the person responsible for such equipment shall notify the Air Division within an additional 24 hours and provide a statement giving all pertinent facts, including the duration of the breakdown. The Air Division shall be notified when the breakdown has been corrected.
8. This process, including 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

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properly operated and maintained so as to minimize the emission of air contaminants shall be established.

9. This permit expires and the application is cancelled if construction has not begun within 24 months of the date of issuance of the permit.
10. On completion of construction of the device(s) for which this permit is issued, written notification of the fact is to be submitted to the Chief of the Air Division. The notification shall indicate whether the device(s) was constructed as proposed in the application. The device(s) shall not be operated until authorization to operate is granted by the Chief of the Air Division. Failure to notify the Chief of the Air Division of completion of construction and/or operation without authorization could result in revocation of this permit.
11. Submittal 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 stack emission testing at any time.
12. Additions and revisions to the conditions of this Permit will be made, if necessary, to ensure that the Department's air pollution control rules and regulations are not violated.
13. Nothing in this permit or conditions thereto shall negate any authority granted to the Air Division pursuant to the Alabama Environmental Management Act or regulations issued thereunder.
14. 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.
15. The Air Division must be notified in writing at least 10 working 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 procedure requires probe cleaning).
- (c) A description of the process(es) to be tested, including the feed rate, any operating parameter 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 Department. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis.

All test reports must be submitted to the Air Division within forty-five (45) days of the actual completion of the test, unless an extension of time is specifically approved by the Air Division.

16. **Within 180 days of initial startup**, emission tests are to be conducted by persons familiar with and using the EPA Sampling Train and Test Procedure as described in the Code of Federal Regulations, Title 40, Part 60, for the following pollutants from the Purification Stack (ST-10922). Written tests results are to be reported to the Air Division within 45 days of completion of testing.

Particulates	(X)	Carbon Monoxide	()
Sulfur Dioxide	()	Nitrogen Oxides	()
Volatile Organic Compounds	()	Visible Emissions	()

17. Emissions tests for the Purification Stack (ST-10922) are to be conducted for the following pollutants at intervals not to exceed thirty-six (36) months following the date of initial compliance testing. All test reports must be submitted to the Air Division within 45 days of completion of testing.

Particulates	(X)	Carbon Monoxide	()
Sulfur Dioxide	()	Nitrogen Oxides	()
Volatile Organic Compounds	()	Visible Emissions	()

18. The Permittee may request a reduced frequency of compliance testing after the initial compliance test is completed.
19. Records will be maintained of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the process equipment and any malfunction of the air pollution control equipment. These records will be kept in a permanent form suitable for inspection and will be retained for at least two years following the date of each occurrence.
20. Precautions shall be taken to minimize fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.

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:

- (a) 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;

- (b) by reducing the speed of vehicular traffic to a point below that at which dust emissions are created;
- (c) by paving;
- (d) 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 Department prior to utilization.

- 21. 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.
- 22. The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.
- 23. These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01(1), "*Control of Particulate Emissions – Visible Emissions*".
- 24. The fuel burning equipment (as defined in ADEM Admin. Code r. 335-3-1-.02(1)(ee)) is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.03(1), "*Control of Particulate Emissions – Fuel Burning Equipment*".
- 25. These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.04(1), "*Control of Particulate Emissions – Process Industries – General*".
- 26. The fuel burning equipment (as defined in ADEM Admin. Code r. 335-3-1-.02(1)(ee)) is subject to the applicable requirements of ADEM Admin. Code r. 335-3-5-.01, "*Control of Sulfur Compound Emissions – Fuel Combustion*".
- 27. The opacity of emissions from these units shall not exceed twenty (20%) percent opacity as determined by a six (6) minute average, except for one six (6) minute period per sixty (60) minute period of not more than forty (40%) percent opacity.
- 28. Particulate matter (PM) emissions from the Purification Stack (ST-10922) shall not exceed the lesser of 1.91 TPY or the allowable set by ADEM Admin. Code r. 335-3-4-.04(1).
- 29. Particulate matter (PM) emissions from fuel burning equipment (as defined in ADEM Admin. Code r. 335-3-1-.02(1)(ee)) shall not exceed 0.5 lb/MMBtu.
- 30. Sulfur dioxide (SO₂) emissions from fuel burning equipment (as defined in ADEM Admin. Code r. 335-3-1-.02(1)(ee)) shall not exceed 4.0 lb/MMBtu.

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31. Facility-wide emissions of particulate matter (PM/PM₁₀) shall not exceed 99.0 tons in any consecutive twelve (12) month period.
32. The facility is limited to the use of natural gas only as a fuel for all combustion sources. Any plans to change the type of fuel must receive prior approval from the Department.
33. If testing is required, Method 5 of 40 CFR 60, Appendix A-3 shall be used in the determination of particulate matter emissions.
34. If testing is required, Method 9 of 40 CFR 60, Appendix A-4 shall be used in the determination of opacity.
35. An observation of the Purification Stack (ST-10922) will be accomplished at least weekly. If visible emissions greater than ten (10%) percent opacity are noted at any time, corrective action shall be initiated within 2 hours to reduce emissions. After corrective action has been performed, the permittee shall conduct another visual check to ensure that the visible emission have been eliminated.
36. A differential pressure gauge shall be installed across each baghouse associated with these units to determine the pressure differential across the control device. The pressure gauge shall be installed, operated, and maintained according to the following:
 - (a) The pressure gauge shall be located in a position that provides a representative pressure drop across the control device. Pressure drop is measured at the baghouse inlet and exhaust.
 - (b) Once per week, monitor and record the pressure drop across the control device to determine if it is within the manufacturer's recommended operating range or the range established during the most recent compliance test.
 - i. At any time the pressure drop is outside of the required range, the facility shall take corrective action to determine the cause of the issue.
 - ii. If determined that the control device is operating outside of the required range, this indicates a deviation and triggers an inspection and corrective action.
 - (c) A calibration and accuracy check shall be performed according to manufacturer's procedures at least annually or following a deviation.
 - i. A calibration shall also be performed any time the sensor exceeds the established range or a new pressure gauge is installed.
37. The Permittee shall comply with the following requirements for each baghouse:
 - (a) Once per month, check hopper, fan, and cleaning cycle for proper operation.
 - (b) Once per month, perform a visual check of all hoods and ductwork.

- (c) Record any repairs or observed problems.
38. A monitoring device that continuously measures and records the combustion chamber temperature of each TO shall be installed, calibrated, maintained, and operated according to the following:
- (a) The temperature sensor shall be located in a position that provides a representative temperature.
 - (b) The temperature shall be recorded once every hour.
 - (c) The facility shall determine each block three (3) hour average of all recorded readings for each operating day.
 - i. The facility may not use data recorded during monitoring malfunctions and associated repairs.
 - ii. The three (3) hour block average combustion zone temperature shall be maintained at or above the temperature established during the most recent stack test.
 - iii. The temperature limit may be reestablished during compliance testing at any time pending Departmental approval.
 - (d) A deviation is defined as any time the 3-hour block average combustion zone temperature is less than 50° below the average temperature established during the most recent compliance test.
 - (e) A calibration and accuracy check shall be performed according to the manufacturer's procedures at least annually or following a deviation.
 - i. An accuracy check shall also be performed any time the sensor exceeds the manufacturer's specified maximum operating temperature range or a new sensor is installed.
 - (f) A visual inspection of the temperature sensor components shall be performed at least semiannually or following a deviation.
39. A pH meter shall be installed to monitor the scrubber solution for each scrubber. The pH meter shall be installed, operated, and maintained according to the following:
- (a) The pH meter shall be located in a position that provides a representative pH of the scrubbing solution.
 - (b) Daily pH scrubbant readings shall be checked and recorded.

- i. A pH within the chemical manufacturer's recommended range or the range established during the most recent compliance test shall be maintained.
 - ii. A deviation is defined as any pH reading outside the established range.
 - (c) A calibration and accuracy check shall be performed according to the manufacturer's procedures at least annually or following a deviation.
 - i. A calibration shall also be performed at any time the meter exceeds the established range or a new meter is installed.
40. A monitoring device that measures the liquid flow rate for the scrubbers shall be installed and operated according to the following:
- (a) The flow rate sensor shall be located in a position to maintain an adequate level in the scrubbers.
 - (b) The flow rate shall be continuously monitored and recorded once per operating day.
 - (c) The liquid flow rate shall not drop below the average flow rate established during the most recent compliance test.
 - i. If the flow rate drops below the established level, corrective action shall be initiated to bring the flow rate within an acceptable range.
 - ii. If the flow rate drops below the established level for more than one (1) hour, a deviation should be reported.
 - (d) A calibration and accuracy check shall be performed according to the manufacturer's procedures at least annually.
41. The facility shall maintain a record of the twelve (12) month rolling total of PM emissions, updated on a monthly basis.
42. The facility shall maintain records of all monitoring, including visible emission observations and pressure differential checks for all baghouses, all problems observed, and corrective actions taken.
43. Records shall be maintained of the monthly and twelve (12) month rolling totals of fuel combusted at the facility..
44. Records shall be maintained of the three (3) hour average combustion zone temperature, each incidence when corrective action was required, and documentation of each accuracy check and each component visual inspection.

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45. Records shall be maintained of the pressure differential readings for the baghouses, each incidence when corrective action was required, and documentation of each accuracy check.
46. Records shall be maintained of the scrubbant pH readings for each scrubber, each incidence when corrective action was required, and documentation of each accuracy check.
47. Records shall be maintained of the liquid flow rates for the scrubbers, each incidence when corrective action was required, and documentation of each accuracy check.
48. All records shall be maintained in a permanent form suitable for inspection for at least five (5) years following the date of generation.
49. A semiannual report shall be submitted to the Department by the 30th day following the end of each six-month period (January 1st through June 30th and July 1st through December 31st). This report shall include any deviations from permit requirements during that period and shall be certified by a responsible official as to its truth, accuracy, and completeness. If no deviations occurred during that period, a written statement stating as such shall be submitted.



SYNTHETIC MINOR OPERATING PERMIT

PERMITTEE: ALABAMA GRAPHITE PRODUCTS, LLC
FACILITY NAME: KELLYTON GRAPHITE PROCESSING PLANT
LOCATION: KELLYTON, COOSA COUNTY, ALABAMA

PERMIT NUMBER	DESCRIPTION OF EQUIPMENT, ARTICLE OR DEVICE
306-0017-X002	SPG Building: 2100 Area Spherical Purified Graphite (SPG) and SPG Products with 17 Product and Dust Collector Bag Filters. All sources are routed to the SPG stack ST-21902.

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.

ISSUANCE DATE: DRAFT

**ALABAMA GRAPHITE PRODUCTS, LLC
KELLYTON, ALABAMA
(PERMIT NO.: 306-0017-X002)
PROVISOS**

1. 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.
2. This permit is not transferable. Upon sale or legal transfer, the new owner or operator must apply for a permit within thirty (30) days.
3. A new permit application must be made for new sources, replacements, alterations or design changes which may result in the issuance of, or an increase in the issuance of, air contaminants, or the use of which may eliminate or reduce or control the issuance of air contaminants.
4. The permittee shall keep this permit under file or on display at all times at the site where the facility for which the permit is issued is located and shall make the permit readily available for inspection by any or all persons who may request to see it.
5. 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.
6. All air pollution control equipment shall be operated at all times while this process is operational. In the event of scheduled maintenance, unscheduled maintenance, or a breakdown of the pollution control equipment, the process shall be shutdown as expeditiously as possible (unless this act and subsequent re-start would clearly cause greater emissions than continuing operations of the process for a short period). The Department shall be notified of all such events **that exceed 1 hour** within 24 hours. The notification shall include all pertinent facts, including the duration of the process operating without the control device and the level of excess emissions which have occurred. Records of all such events, regardless of reporting requirements, shall be made and maintained for a period of five years. These records shall be available for inspection.
7. In the event there is a breakdown of air pollution control or process equipment in such a manner as to cause increased emission of air contaminants for a period greater than **1 hour**, the person responsible for such equipment shall notify the Air Division within an additional 24 hours and provide a statement giving all pertinent facts, including the duration of the breakdown. The Air Division shall be notified when the breakdown has been corrected.
8. This process, including 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

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properly operated and maintained so as to minimize the emission of air contaminants shall be established.

9. This permit expires and the application is cancelled if construction has not begun within 24 months of the date of issuance of the permit.
10. On completion of construction of the device(s) for which this permit is issued, written notification of the fact is to be submitted to the Chief of the Air Division. The notification shall indicate whether the device(s) was constructed as proposed in the application. The device(s) shall not be operated until authorization to operate is granted by the Chief of the Air Division. Failure to notify the Chief of the Air Division of completion of construction and/or operation without authorization could result in revocation of this permit.
11. Submittal 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 stack emission testing at any time.
12. Additions and revisions to the conditions of this Permit will be made, if necessary, to ensure that the Department's air pollution control rules and regulations are not violated.
13. Nothing in this permit or conditions thereto shall negate any authority granted to the Air Division pursuant to the Alabama Environmental Management Act or regulations issued thereunder.
14. 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.
15. The Air Division must be notified in writing at least 10 working 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 procedure requires probe cleaning).
- (c) A description of the process(es) to be tested, including the feed rate, any operating parameter 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 Department. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis.

All test reports must be submitted to the Air Division within forty five (45) days of the actual completion of the test, unless an extension of time is specifically approved by the Air Division.

16. **Within 180 days of initial startup**, emission tests are to be conducted by persons familiar with and using the EPA Sampling Train and Test Procedure as described in the Code of Federal Regulations, Title 40, Part 60, for the following pollutants from the SPG Stack (ST-21902). Written tests results are to be reported to the Air Division within 45 days of completion of testing.

Particulates	(X)	Carbon Monoxide	()
Sulfur Dioxide	()	Nitrogen Oxides	()
Volatile Organic Compounds	()	Visible Emissions	()

17. Emissions tests for the SPG Stack (ST-21902) are to be conducted for the following pollutants at intervals not to exceed thirty-six (36) months following the date of initial compliance testing. All test reports must be submitted to the Air Division within 45 days of completion of testing.

Particulates	(X)	Carbon Monoxide	()
Sulfur Dioxide	()	Nitrogen Oxides	()
Volatile Organic Compounds	()	Visible Emissions	()

18. The Permittee may request a reduced frequency of compliance testing after the initial compliance test is completed.
19. Records will be maintained of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the process equipment and any malfunction of the air pollution control equipment. These records will be kept in a permanent form suitable for inspection and will be retained for at least two years following the date of each occurrence.
20. Precautions shall be taken to minimize fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.

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:

- (a) 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;

- (b) by reducing the speed of vehicular traffic to a point below that at which dust emissions are created;
- (c) by paving;
- (d) 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 Department prior to utilization.

- 21. 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.
- 22. The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.
- 23. These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01(1), "*Control of Particulate Emissions – Visible Emissions*".
- 24. These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.04(1), "*Control of Particulate Emissions – Process Industries – General*".
- 25. The opacity of emissions from these units shall not exceed twenty (20%) percent opacity as determined by a six (6) minute average, except for one six (6) minute period per sixty (60) minute period of not more than forty (40%) percent opacity.
- 26. Particulate matter (PM) emissions from these sources shall not exceed 27.52 TPY.
- 27. Particulate matter (PM) emissions from these sources shall not exceed the allowable set by ADEM Admin. Code r. 335-3-4-.04(1).
- 28. Facility-wide emissions of particulate matter (PM/PM₁₀) shall not exceed 99.0 tons in any consecutive twelve (12) month period.
- 29. If testing is required, Method 5 of 40 CFR 60, Appendix A-3 shall be used in the determination of particulate matter emissions.
- 30. If testing is required, Method 9 of 40 CFR 60, Appendix A-4 shall be used in the determination of opacity.
- 31. The Permittee shall perform periodic inspections of each control device to verify proper operation. The following activities shall be performed:

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- (a) Once per week, monitor and record pressure drop across each baghouse to determine if it is within the manufacturer's recommended pressure range or the range established during the most recent compliance test.
 - i. At any time the pressure drop is outside of the required range, this indicates an excursion and triggers an inspection and corrective action.
 - ii. Pressure drop is measured at the baghouse inlet and exhaust.
 - (b) Once per week, perform a check of visible emissions from the SPG Stack.
 - i. If visible emissions greater than ten (10%) percent opacity are noted at any time, corrective action shall be initiated within 2 hours to reduce emissions.
 - ii. After corrective action has been performed, the Permittee shall conduct another visual check to ensure that the visible emissions have been eliminated.
 - iii. Observations are made at the stack exhaust while the units are operating.
 - (c) Once per month, check hopper, fan, and cleaning cycle for proper operation.
 - (d) Once per month, perform a visual check of all hoods and ductwork.
 - (e) Record any repairs or observed problems.
32. The facility shall maintain a record of the twelve (12) month rolling total of PM emissions, updated on a monthly basis.
33. The Permittee shall maintain a record of all monitoring required by this permit. This includes all problems observed and corrective actions taken.
34. All records shall be maintained in a permanent form suitable for inspection for at least five (5) years following the date of generation.
35. A semiannual report shall be submitted to the Department by the 30th day following the end of each six-month period (January 1st through June 30th and July 1st through December 31st). This report shall include any deviations from permit requirements during that period and shall be certified by a responsible official as to its truth, accuracy, and completeness. If no deviations occurred during that period, a written statement stating as such shall be submitted.



SYNTHETIC MINOR OPERATING PERMIT

PERMITTEE: ALABAMA GRAPHITE PRODUCTS, LLC
FACILITY NAME: KELLYTON GRAPHITE PROCESSING PLANT
LOCATION: KELLYTON, COOSA COUNTY, ALABAMA

PERMIT NUMBER	DESCRIPTION OF EQUIPMENT, ARTICLE OR DEVICE
306-0017-X003	Coating Building: 2200 Area Coated Spherical Purified Graphite (CSPG) and CSPG Products with Two (2) Dryers, Two (2) Ovens, Oven Off-gas Burner, Thermal Oxidizer and Media Absorber Vessel. All sources routed to CSPG stack ST-22946.

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.

ISSUANCE DATE: DRAFT

**ALABAMA GRAPHITE PRODUCTS, LLC
KELLYTON, ALABAMA
(PERMIT NO.: 306-0017-X003)
PROVISOS**

1. 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.
2. This permit is not transferable. Upon sale or legal transfer, the new owner or operator must apply for a permit within thirty (30) days.
3. A new permit application must be made for new sources, replacements, alterations or design changes which may result in the issuance of, or an increase in the issuance of, air contaminants, or the use of which may eliminate or reduce or control the issuance of air contaminants.
4. The permittee shall keep this permit under file or on display at all times at the site where the facility for which the permit is issued is located and shall make the permit readily available for inspection by any or all persons who may request to see it.
5. 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.
6. All air pollution control equipment shall be operated at all times while this process is operational. In the event of scheduled maintenance, unscheduled maintenance, or a breakdown of the pollution control equipment, the process shall be shutdown as expeditiously as possible (unless this act and subsequent re-start would clearly cause greater emissions than continuing operations of the process for a short period). The Department shall be notified of all such events **that exceed 1 hour** within 24 hours. The notification shall include all pertinent facts, including the duration of the process operating without the control device and the level of excess emissions which have occurred. Records of all such events, regardless of reporting requirements, shall be made and maintained for a period of five years. These records shall be available for inspection.
7. In the event there is a breakdown of air pollution control or process equipment in such a manner as to cause increased emission of air contaminants for a period greater than **1 hour**, the person responsible for such equipment shall notify the Air Division within an additional 24 hours and provide a statement giving all pertinent facts, including the duration of the breakdown. The Air Division shall be notified when the breakdown has been corrected.
8. This process, including 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

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properly operated and maintained so as to minimize the emission of air contaminants shall be established.

9. This permit expires and the application is cancelled if construction has not begun within 24 months of the date of issuance of the permit.
10. On completion of construction of the device(s) for which this permit is issued, written notification of the fact is to be submitted to the Chief of the Air Division. The notification shall indicate whether the device(s) was constructed as proposed in the application. The device(s) shall not be operated until authorization to operate is granted by the Chief of the Air Division. Failure to notify the Chief of the Air Division of completion of construction and/or operation without authorization could result in revocation of this permit.
11. Submittal 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 stack emission testing at any time.
12. Additions and revisions to the conditions of this Permit will be made, if necessary, to ensure that the Department's air pollution control rules and regulations are not violated.
13. Nothing in this permit or conditions thereto shall negate any authority granted to the Air Division pursuant to the Alabama Environmental Management Act or regulations issued thereunder.
14. 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.
15. The Air Division must be notified in writing at least 10 working 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 procedure requires probe cleaning).
- (c) A description of the process(es) to be tested, including the feed rate, any operating parameter 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 Department. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis.

All test reports must be submitted to the Air Division within forty five (45) days of the actual completion of the test, unless an extension of time is specifically approved by the Air Division.

16. **Within 180 days of initial startup**, emission tests are to be conducted by persons familiar with and using the EPA Sampling Train and Test Procedure as described in the Code of Federal Regulations, Title 40, Part 60, for the following pollutants from the CSPG Stack (ST-22946). Written tests results are to be reported to the Air Division within 45 days of completion of testing.

Particulates	<input type="checkbox"/>	Carbon Monoxide	<input type="checkbox"/>
Sulfur Dioxide	<input type="checkbox"/>	Nitrogen Oxides	<input type="checkbox"/>
Volatile Organic Compounds	<input type="checkbox"/>	Visible Emissions	<input type="checkbox"/>
Total HAPs	<input checked="" type="checkbox"/>		

17. Emissions tests for the CSPG Stack (ST-22946) are to be conducted for the following pollutants at intervals not to exceed thirty-six (36) months following the date of initial compliance testing. All test reports must be submitted to the Air Division within 45 days of completion of testing.

Particulates	<input type="checkbox"/>	Carbon Monoxide	<input type="checkbox"/>
Sulfur Dioxide	<input type="checkbox"/>	Nitrogen Oxides	<input type="checkbox"/>
Volatile Organic Compounds	<input type="checkbox"/>	Visible Emissions	<input type="checkbox"/>
Total HAPs	<input checked="" type="checkbox"/>		

18. The Permittee may request a reduced frequency of compliance testing after the initial compliance test is completed.
19. Records will be maintained of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the process equipment and any malfunction of the air pollution control equipment. These records will be kept in a permanent form suitable for inspection and will be retained for at least two years following the date of each occurrence.
20. Precautions shall be taken to minimize fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.

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:

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- (a) 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;
- (b) by reducing the speed of vehicular traffic to a point below that at which dust emissions are created;
- (c) by paving;
- (d) 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 Department prior to utilization.

- 21. 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.
- 22. The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.
- 23. These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01(1), "*Control of Particulate Emissions – Visible Emissions*".
- 24. The fuel burning equipment (as defined in ADEM Admin. Code r. 335-3-1-.02(1)(ee)) is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.04(1), "*Control of Particulate Emissions – Fuel Burning Equipment*".
- 25. The fuel burning equipment (as defined in ADEM Admin. Code r. 335-3-1-.02(1)(ee)) is subject to the applicable requirements of ADEM Admin. Code r. 335-3-5-.01, "*Control of Sulfur Compound Emissions – Fuel Combustion*".
- 26. The opacity of emissions from these units shall not exceed twenty (20%) percent opacity as determined by a six (6) minute average, except for one six (6) minute period per sixty (60) minute period of not more than forty (40%) percent opacity.
- 27. Particulate matter (PM) emissions from fuel burning equipment (as defined in ADEM Admin. Code r. 335-3-1-.02(1)(ee)) shall not exceed 0.5 lb/MMBtu.
- 28. Sulfur dioxide (SO₂) emissions from fuel burning equipment (as defined in ADEM Admin. Code r. 335-3-1-.02(1)(ee)) shall not exceed 4.0 lb/MMBtu.
- 29. Total HAP emissions from the CSPG Stack shall not exceed 0.67 TPY.

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30. Facility-wide emissions of particulate matter (PM/PM₁₀) shall not exceed 99.0 tons in any consecutive twelve (12) month period.
31. The facility is limited to the use of natural gas only as a fuel for all combustion sources. Any plans to change the type of fuel must receive prior approval from the Department.
32. If testing is required, Method 5 of 40 CFR 60, Appendix A-3 shall be used in the determination of particulate matter emissions.
33. If testing is required, Method 9 of 40 CFR 60, Appendix A-4 shall be used in the determination of opacity.
34. If testing is required, Method 18 of 40 CFR 60, Appendix A-6, or Method 320 of 40 CFR 63, Appendix A shall be used in the determination of Total HAP emissions.
35. An observation of the CSPG Stack (ST-22946) will be accomplished at least weekly. If visible emissions greater than ten (10%) percent opacity are noted during the above-referenced visual checks, corrective action shall be initiated within 2 hours to reduce emissions. After corrective action has been performed, the permittee shall conduct another visual check to ensure that the visible emissions have been eliminated.
36. A monitoring device that continuously measures and records the combustion chamber temperature of each TO shall be installed, calibrated, maintained, and operated according to the following:
 - (a) The temperature sensor shall be located in a position that provides a representative temperature.
 - (b) The temperature shall be recorded once every hour.
 - (c) The facility shall determine each block three (3) hour average of all recorded readings for each operating day.
 - i. The facility may not use data recorded during monitoring malfunctions and associated repairs.
 - ii. The three (3) hour block average combustion zone temperature shall be maintained at or above the temperature established during the most recent stack test.
 - iii. The temperature limit may be reestablished during compliance testing at any time pending Departmental approval.
 - (d) A deviation is defined as any time the 3-hour block average combustion zone temperature is less than 50° below the average temperature established during the most recent compliance test.

- (e) A calibration and accuracy check shall be performed according to the manufacturer's procedures at least annually or following a deviation.
 - i. An accuracy check shall also be performed any time the sensor exceeds the manufacturer's specified maximum operating temperature range or a new sensor is installed.
 - (f) A visual inspection of the temperature sensor components shall be performed at least semiannually or following a deviation.
- 37. A pressure gauge shall be installed across each Media Absorber Vessel to determine the pressure differential across the control device. The pressure gauge shall be installed, operated, and maintained according to the following:
 - (a) The pressure gauge shall be located in a position that provides a representative pressure drop across the control device. Pressure drop is measured at the scrubber inlet and exhaust.
 - (b) Once per week monitor and record the pressure drop across the control device to determine if it is within the manufacturer's recommended operating range or the range established during the most recent compliance test.
 - i. At any time the pressure drop is outside of required range, the facility shall take corrective action to determine the cause of the issue.
 - ii. If determined that the control device is operating outside of the required range, this indicates a deviation and triggers an inspection and corrective action.
 - (c) A calibration and accuracy check shall be performed according to the manufacturer's procedures at least annually or following a deviation.
 - i. A calibration shall also be performed any time the sensor exceeds the established range or a new pressure gauge is installed.
- 38. The facility shall maintain a record of the twelve (12) month rolling total of PM, and Total HAP emissions, updated on a monthly basis.
- 39. The facility shall maintain records of all monitoring, including visible emission observations, all problems observed, and corrective actions taken.
- 40. Records shall be maintained of the monthly and twelve (12) month rolling totals of fuel combusted at the facility.

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41. Records shall be maintained of the three (3) hour average combustion zone temperature, each incidence when corrective action was required, and documentation of each accuracy check and each component visual inspection.
42. Records shall be maintained of the pressure differential readings for the Media Absorber Vessel, each incidence when corrective action was required, and documentation of each accuracy check.
43. All records shall be maintained in a permanent form suitable for inspection for at least five (5) years following the date of generation.
44. A semiannual report shall be submitted to the Department by the 30th day following the end of each six-month period (January 1st through June 30th and July 1st through December 31st). This report shall include any deviations from permit requirements during that period and shall be certified by a responsible official as to its truth, accuracy, and completeness. If no deviations occurred during that period, a written statement stating as such shall be submitted.



SYNTHETIC MINOR OPERATING PERMIT

PERMITTEE: ALABAMA GRAPHITE PRODUCTS, LLC
FACILITY NAME: KELLYTON GRAPHITE PROCESSING PLANT
LOCATION: KELLYTON, COOSA COUNTY, ALABAMA

PERMIT NUMBER	DESCRIPTION OF EQUIPMENT, ARTICLE OR DEVICE
306-0017-X004	500 bhp Diesel Emergency Fire Water Pump 480 bhp Diesel Emergency Generator

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.

ISSUANCE DATE: DRAFT

**ALABAMA GRAPHITE PRODUCTS, LLC
KELLYTON, ALABAMA
(PERMIT NO.: 306-0017-X004)
PROVISOS**

1. 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.
2. This permit is not transferable. Upon sale or legal transfer, the new owner or operator must apply for a permit within thirty (30) days.
3. A new permit application must be made for new sources, replacements, alterations or design changes which may result in the issuance of, or an increase in the issuance of, air contaminants, or the use of which may eliminate or reduce or control the issuance of air contaminants.
4. The permittee shall keep this permit under file or on display at all times at the site where the facility for which the permit is issued is located and shall make the permit readily available for inspection by any or all persons who may request to see it.
5. 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.
6. All air pollution control equipment shall be operated at all times while this process is operational. In the event of scheduled maintenance, unscheduled maintenance, or a breakdown of the pollution control equipment, the process shall be shutdown as expeditiously as possible (unless this act and subsequent re-start would clearly cause greater emissions than continuing operations of the process for a short period). The Department shall be notified of all such events **that exceed 1 hour** within 24 hours. The notification shall include all pertinent facts, including the duration of the process operating without the control device and the level of excess emissions which have occurred. Records of all such events, regardless of reporting requirements, shall be made and maintained for a period of five years. These records shall be available for inspection.
7. In the event there is a breakdown of air pollution control or process equipment in such a manner as to cause increased emission of air contaminants for a period greater than **1 hour**, the person responsible for such equipment shall notify the Air Division within an additional 24 hours and provide a statement giving all pertinent facts, including the duration of the breakdown. The Air Division shall be notified when the breakdown has been corrected.
8. All deviations from requirements within this permit shall be reported to the Department within 48 hours of the deviation or by the next work day while providing a statement with regards to

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the date, time, duration, cause, and corrective actions taken to bring the sources back into compliance.

9. This process, including 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.
10. This permit expires and the application is cancelled if construction has not begun within 24 months of the date of issuance of the permit.
11. On completion of construction of the device(s) for which this permit is issued, written notification of the fact is to be submitted to the Chief of the Air Division. The notification shall indicate whether the device(s) was constructed as proposed in the application. The device(s) shall not be operated until authorization to operate is granted by the Chief of the Air Division. Failure to notify the Chief of the Air Division of completion of construction and/or operation without authorization could result in revocation of this permit.
12. Submittal 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 stack emission testing at any time.
13. Additions and revisions to the conditions of this Permit will be made, if necessary, to ensure that the Department's air pollution control rules and regulations are not violated.
14. Nothing in this permit or conditions thereto shall negate any authority granted to the Air Division pursuant to the Alabama Environmental Management Act or regulations issued thereunder.
15. 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.
16. The Air Division must be notified in writing at least 10 working 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 procedure requires probe cleaning).
- (c) A description of the process(es) to be tested, including the feed rate, any operating parameter 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 Department. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis.

All test reports must be submitted to the Air Division within forty five (45) days of the actual completion of the test, unless an extension of time is specifically approved by the Air Division.

- 17. Records will be maintained of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the process equipment and any malfunction of the air pollution control equipment. These records will be kept in a permanent form suitable for inspection and will be retained for at least two years following the date of each occurrence.
- 18. Precautions shall be taken to minimize fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.

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:

- (a) 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;
- (b) by reducing the speed of vehicular traffic to a point below that at which dust emissions are created;
- (c) by paving;
- (d) 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 Department prior to utilization.

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19. Any performance tests required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.
20. 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.
21. The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.
22. These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01(1), *"Control of Particulate Emissions – Visible Emissions"*.
23. The engines are subject to the applicable requirements of 40 CFR Part 60, Subpart III, *"Standards of Performance for Stationary Compression Ignition Internal Combustion Engines"*.
24. The engines are subject to the applicable requirements of 40 CFR Part 60, Subpart A, *"General Provisions"* as listed in Table 3 to 40 CFR Part 60, Subpart III.
25. Each engine shall not operate more than 500 hours per year.
26. The opacity of emissions from these units shall not exceed twenty (20%) percent opacity as determined by a six (6) minute average, except for one six (6) minute period per sixty (60) minute period of not more than forty (40%) percent opacity.
27. Nitrogen oxide (NO_x) + nonmethane hydrocarbon (NMHC) emissions from the engines shall not exceed 4.0 g/kW-hr.
28. Carbon monoxide (CO) emissions from the engines shall not exceed 3.5 g/kW-hr.
29. Particulate matter (PM) emissions from the engines shall not exceed 0.2 g/kW-hr.
30. The facility must use diesel fuel that meets the requirements of 40 CFR §1039.305.
31. Facility-wide emissions of volatile organic compounds (VOC) shall not exceed 99.0 tons in any consecutive twelve (12) month period.
32. Facility-wide emissions of particulate matter (PM/PM₁₀) shall not exceed 99.0 tons in any consecutive twelve (12) month period.
33. Facility-wide emissions of sulfur dioxide (SO₂) shall not exceed 99.0 tons in any consecutive twelve (12) month period.

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34. Facility-wide emissions of nitrogen oxide (NO_x) shall not exceed 99.0 tons in any consecutive twelve (12) month period.
35. Facility-wide emissions of carbon monoxide (CO) shall not exceed 99.0 tons in any consecutive twelve (12) month period.
36. If testing is required, Method 5 of 40 CFR Part 60, Appendix A-3, shall be used in the determination of PM emissions.
37. If testing is required, Method 7E of 40 CFR Part 60, Appendix A-4, shall be used in the determination of NO_x emissions.
38. If testing is required, Method 9 of 40 CFR Part 60, Appendix A-4, shall be used in the determination of opacity of stack emissions.
39. If testing is required, Method 10 of 40 CFR Part 60, Appendix A-4, shall be used in the determination of CO emissions.
40. The Permittee shall install a non-resettable hour meter on each engine if one is not already installed.
41. The engines must be certified according the emission standards in Subpart IIII for the same model year and maximum engine power. Each unit must be installed and configured according to the manufacturer's emission-related specifications.
42. For each emergency engine, the facility shall meet the following requirements to demonstrate compliance with 40 CFR Part 60 Subpart IIII:
 - (a) The following must be maintained for each engine to retain its emergency status:
 - i. The engine may be operated for the purpose of maintenance checks and readiness testing for a period not to exceed 100 hours per year.
 - ii. There is no time limit on the use of the engine in emergency situations.
 - iii. The engine may operate up to 50 hours per year in non-emergency situations.
 - (1) The 50 hours for non-emergency situations shall count towards the 100 hours allowed for maintenance checks and readiness.
 - (2) The 50 hours for non-emergency situations shall not be used for peak shaving or generating income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

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- iv. Any operation of the emergency generator engine other than for emergency operation, maintenance and testing, and operation in non-emergency situation for 50 hours per year is prohibited.
- 43. All records shall be maintained in a permanent form suitable for inspection for at least five (5) years following the date of generation.
- 44. For each emergency engine, the Permittee shall maintain a record of the hours of operation of each engine that is recorded through the non-resettable hour meter and document how many hours are spent for emergency operations, including what classified the operation as emergency, and how many hours are spent for non-emergency operation, including the reason the engine was in operation.
- 45. If a unit is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in §60.4211(f)(3)(i), the Permittee must submit an annual report according to the requirements of §60.4214(d)(1) through (3).
- 46. A semiannual report shall be submitted to the Department by the 30th day following the end of each six-month period (January 1st through June 30th and July 1st through December 31st). This report shall include any deviations from permit requirements during that period and shall be certified by a responsible official as to its truth, accuracy, and completeness. If no deviations occurred during that period, a written statement stating as such shall be submitted.