PERMIT NO. 4911-001-0001-S-05-0
ISSUANCE DATE:

GEORGIA
DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

Air Quality Permit

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Rules, Chapter 391-3-1, adopted pursuant to and in effect under that Act,

Facility Name: **Edwin I. Hatch Nuclear Plant**

Facility Address: **11028 Hatch Parkway, North**
Baxley, Georgia 31513 Appling County

Mailing Address: **Southern Nuclear Operating Company**
P.O. Box 1295 Bin 010
Birmingham, AL 35201

Facility AIRS Number: **04-13-001-00001**

is issued a Permit for the following:

The operation of a nuclear powered electrical generation facility.

This Permit is issued for the purpose of establishing practically enforceable emission limitations such that the facility will not be considered a major source with respect to Title V of the Clean Air Act Amendments of 1990.

This Permit is conditioned upon compliance with all provisions of The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq, the Rules, Chapter 391-3-1, adopted and in effect under that Act, or any other condition of this Permit.

This Permit may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above; or for any misrepresentation made in Application No. 28117 dated June 24, 2021; any other applications upon which this Permit is based; supporting data entered therein or attached thereto; or any subsequent submittals or supporting data; or for any alterations affecting the emissions from this source.

This Permit is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached **15** pages.

STATE OF GEORGIA
CONSTITUTION
WISDOM JUSTICE MODERATION
1776

Richard E. Dunn, Director
Environmental Protection Division

1. General Requirements

1.1 At all times, including periods of startup, shutdown, and malfunction, the Permittee shall maintain and operate this source, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection or surveillance of the source.

1.2 The Permittee shall not build, erect, install or use any article, machine, equipment or process the use of which conceals an emission which would otherwise constitute a violation of an applicable emission standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard that is based on the concentration of a pollutant in the gases discharged into the atmosphere.

1.3 The Permittee shall submit a Georgia Air Quality Permit application to the Division prior to the commencement of any modification, as defined in 391-3-1-.01(pp), which may result in air pollution and which is not exempt under 391-3-1-.03(6). Such application shall be submitted sufficiently in advance of any critical date involved to allow adequate time for review, discussion, or revision of plans, if necessary. The application shall include, but not be limited to, information describing the precise nature of the change, modifications to any emission control system, production capacity and pollutant emission rates of the plant before and after the change, and the anticipated completion date of the change.

1.4 Unless otherwise specified, all records required to be maintained by this Permit shall be recorded in a permanent form suitable for inspection and submission to the Division and shall be retained for at least five (5) years following the date of entry.

1.5 In cases where conditions of this Permit conflict with each other for any particular source or operation, the most stringent condition shall prevail.

2. Allowable Emissions

2.1 Fuel oil fired in boilers shall be distillate fuel oil and shall not contain more than 0.5 percent sulfur by weight. Distillate fuel oil means fuel oil that complies with the specifications for fuel oil number 1 or 2, as defined by the American Society for Testing and Materials (ASTM) standard ASTM D396, “Standard Specification for Fuel Oils.” Any firing of fuel oils with other names, such as number 2 diesel fuel oil, highway diesel fuel oil, low sulfur fuel oil or very low sulfur fuel oil, is acceptable only in so far as such fuels meet the requirements listed above.
[Avoidance of 40 CFR Part 70, 391-3-1-.03(2)c, 391-3-1-.02(2)(g)2 subsumed]

2.2 Fuel oil fired in fire pumps (Source Codes: FPD2 and FPD3), security power emergency generator (Source Code: SD1), and emergency generators (Source Codes: HD1A, HD1B, HD1C, HD2A, and HD2C) shall be diesel fuel oil and shall not contain more than 0.5 percent sulfur by weight. Diesel fuel oil means fuel oil that complies with the specifications for diesel fuel oil numbers 1-D, 2-D, Low Sulfur 1-D or Low Sulfur 2-D as defined by the American Society for Testing and Materials (ASTM) standard ASTM D396, "Standard Specification for Diesel Fuel Oils." Any firing of fuel oils with other names, such as number 2 diesel fuel oil, highway diesel fuel oil, low sulfur fuel oil, or very low sulfur fuel oil, is acceptable only in so far as such fuels meet the requirements listed above.
[Avoidance of 40 CFR Part 70, 391-3-1-.03(2)c, 391-3-1-.02(2)(g)2 subsumed]

2.3 The Permittee shall comply with all applicable provisions of the 40 CFR 63, Subpart A "General Provisions" and 40 CFR 63, Subpart JJJJJJ "National Emission Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional Boilers" for operation of the auxiliary startup boiler (Source Code: ASB2).
[40 CFR 63, Subparts A and JJJJJJ]

2.4 The Permittee shall operate the auxiliary startup boiler (Source Code: ASB2) as a "limited-use boiler" with an average annual capacity factor of no more than 10% in accordance with 40 CFR 63 Subpart JJJJJJ.
[40 CFR 63.11200(g) and 40 CFR 63.11237]

2.5 The Permittee shall comply with all applicable provisions of the 40 CFR 63, Subpart A "General Provisions" and 40 CFR 63, Subpart ZZZZ "National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines [RICE]" for the operation of Unit 1 and Unit 2 fire pumps (Source Codes: FPD2 and FPD3), emergency generators (Source Codes: HD1A, HD1B, HD1C, HD2A, and HD2C), and security power emergency generator (Source Code: SD1).
[40 CFR 63, Subparts A and ZZZZ]

2.6 The Permittee shall not discharge or cause a discharge into the atmosphere from the auxiliary startup boiler (Source Code: ASB2) the emissions of particulate matter in amounts equal to or exceeding the allowable based on Rule 391-3-1-.02(2)(d)2 of the Georgia Rules for Air Quality Control.
[391-3-1-.02(2)(d)2]

2.7 The Permittee shall not cause, let, suffer, permit, or allow emissions from the fire pumps (Source Codes: FPD2 and FPD3), emergency generators (Source Codes: HD1A, HD1B, HD1C, HD2A, and HD2C), and security power emergency generator (Source Code: SD1), the opacity of which is equal to or greater than 40 percent, as required by Rule 391-3-1-.02(2)(b) of the Georgia Rules for Air Quality Control.
[391-3-1-.02(2)(b)]

2.8 The Permittee shall not cause, let, suffer, permit, or allow emissions from the auxiliary startup boiler (Source Code: ASB2) the opacity of which is equal to or greater than 20 percent (6 - minute average) except for one 6-minute period per hour of not more than 27 percent opacity, as required by Rule 391-3-1- .02(2)(d)3 of the Georgia Rules for Air Quality Control.
[391-3-1-.02(2)(d)3]

2.9 The Permittee shall not discharge, or cause the discharge, into the atmosphere from the entire facility nitrogen oxides (NOx) emissions exceeding 99 tons during any twelve consecutive month period.
[Title V Avoidance]

2.10 In order to meet the requirements of 40 CFR 63 Subpart ZZZZ for Unit 1 and Unit 2 fire pumps (Source Codes: FPD2 and FPD3), emergency generators (Source Codes: HD1A, HD1B, HD1C, HD2A, and HD2C), and security power emergency generator (Source Code: SD1), the Permittee shall:
[40 CFR 63.6603(a) and Table 2d (Item 4) in 40 CFR 63 Subpart ZZZZ]

a. Change oil and filter every 500 hours of operation or annually, whichever comes first[1];

b. Inspect air cleaner every 1,000 hours of operation or annually. Whichever comes first, and replace as necessary;

c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first and replace as necessary.

2.11 The Permittee shall operate the Unit 1 and Unit 2 fire pumps (Source Codes: FPD2 and FPD3), emergency generators (Source Codes: HD1A, HD1B, HD1C, HD2A, and HD2C) and security power emergency generator (Source Code: SD1), according to the requirements in paragraphs (f)(1) through (4) of 40 CFR 63.6640. In order for the engine to be considered an emergency stationary RICE, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4) of 40 CFR 63.6640, is prohibited. If the Permittee does not operate the engine according to the requirements in paragraphs (f)(1) through (4) of 40 CFR 63.6640, the engine will not be considered an emergency engine under 40 CFR 63, Subpart ZZZZ and must meet all requirements for non-emergency engines.
[40 CFR 63.6640(f)]

2.12 The Permittee may operate the Unit 1 and Unit 2 fire pumps (Source Codes: FPD2 and FPD3), emergency generators (Source Codes: HD1A, HD1B, HD1C, HD2A, and HD2C) and security power emergency generator (Source Code: SD1), for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency

[1] The permittee has the option to utilize an oil analysis program as described in 40 CFR 63.6625(i) in order to extend the specified oil change requirement in Table 2d of this subpart.

demand response provided in 40 CFR 63.6640(f)(2). Except as provided in 40 CFR 63.6640(f)(4)(i) and (ii), the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.
[40 CFR 63.6640(f)(4)]

a. Prior to May 3, 2014, the 50 hours per year for non-emergency situations can be used for peak shaving or non-emergency demand response to generate income for a facility, or to otherwise supply power as part of a financial arrangement with another entity if the engine is operated as part of a peak shaving (load management program) with the local distribution system operator and the power is provided only to the facility itself or to support the local distribution system.
[40 CFR 63.6640(f)(4)(i)]

b. The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:
[40 CFR 63.6640(f)(4)(ii)]

i. The engine is dispatched by the local balancing authority or local transmission and distribution system operator.

ii. The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

iii. The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

iv. The power is provided only to the facility itself or to support the local transmission and distribution system.

v. The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

2.13 The accumulated non-emergency service time (i.e. for maintenance check, readiness testing, demand response, and non-emergency situations in accordance with Condition 2.12 for up to 50 hours per year) for the Unit 1 and Unit 2 fire pumps (Source Codes: FPD2 and FPD3), emergency generators (Source Codes: HD1A, HD1B, HD1C, HD2A, and HD2C) and security power emergency generator (Source Code: SD1), shall not exceed 100 hours per year. Any operation, other than emergency operation, maintenance check, readiness testing,

demand response, and non-emergency situations in accordance with Condition 2.12 for up to 50 hours per year, is prohibited.
[40 CFR 63.6640(f)]

3. Fugitive Emissions

3.1 The Permittee shall take all reasonable precautions with any operation, process, handling, transportation, or storage facilities to prevent fugitive emissions of air contaminants.

4. Process & Control Equipment

4.1 Not applicable.

5. Monitoring

5.1 Any continuous monitoring system required by the Division and installed by the Permittee shall be in continuous operation and data recorded during all periods of operation of the affected facility except for continuous monitoring system breakdowns and repairs. Monitoring system response, relating only to calibration checks and zero and span adjustments, shall be measured and recorded during such periods. Maintenance or repair shall be conducted in the most expedient manner to minimize the period during which the system is out of service.
[391-3-1-.02(6)(b)1]

5.2 The Permittee shall conduct a performance tune-up of the auxiliary startup boiler (Source Code: ASB2) every 5 years as specified in paragraphs a. through g. below. Each 5-year tune-up must be conducted no more than 61 months after the previous tune-up. The Permittee may delay the burner inspection (specified in paragraph a.) and inspection of the system controlling the air-to-fuel ratio (specified in paragraph c.) until the next scheduled unit shutdown, but must inspect each burner and system controlling the air-to-fuel ratio at least once every 72 months.
[40 CFR 63.11223(f) and Table 2 (Row 10) of 40 CFR 63 Subpart JJJJJJ]

a. As applicable, inspect the burner, and clean or replace any components of the burner as necessary.

b. Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.

c. Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly.

d. Optimize total emissions of carbon monoxide. This optimization should be consistent with the manufacturer's specifications, if available, and with any nitrogen oxide requirement to which the unit is subject.

e. Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.

f. Maintain onsite and submit, if requested by the Division, a report containing the following information:

i. The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler.

ii. A description of any corrective actions taken as a part of the tune-up of the boiler.

iii. The type and amount of fuel used over the 12 months prior to the tune-up of the boiler, but only if the unit was physically and legally capable of using more than one type of fuel during that period.

g. If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 days of startup.

5.3 The Permittee shall install a non-resettable hour meter if one is not already installed, to measure and record the hours of operation of each generator and fire pump listed in Condition No. 2.5.
[40 CFR 63.6625(f), 40 CFR 70.6(a)(3)(i), and 391-3-1-.02(6)(b)1]

5.4 The Permittee shall install, calibrate, maintain, and operate continuous emissions rate monitoring systems (CERMS), to continuously monitor and record nitrogen oxide (NOx) emissions from the emergency generators (Source Codes: HD1A-C, HD2A, HD2C, SD1) and from the boiler (Source Code: ASB2), and Unit 1 and Unit 1and Unit 2 fire pumps (Source Codes: FPD2 and FPD3). Each system shall meet the applicable performance specification(s) of the Division's monitoring requirements. The NOx emission rate shall be recorded in pounds per hour.
[391-3-1-.02(6)(b)1]

5.5 The facility must minimize the Unit 1 and Unit 2 fire pumps (Source Codes: FPD2 and FPD3), emergency generators (Source Codes: HD1A, HD1B, HD1C, HD2A, and HD2C) and security power emergency generator (Source Code: SD1) times spent at idle during startup and minimize the Unit 1 and Unit 2 fire pumps (Source Codes: FPD2 and FPD3), emergency generators (Source Codes: HD1A, HD1B, HD1C, HD2A, and HD2C) and security power emergency generator (Source Code: SD1) startup time to a period needed for appropriate and safe loading of the Unit 1 and Unit 2 fire pumps (Source Codes: FPD2 and FPD3), emergency

generators (Source Codes: HD1A, HD1B, HD1C, HD2A, and HD2C) and security power emergency generator (Source Code: SD1), not to exceed 30 minutes.
[40 CFR 63.6625 (h)]

6. Performance Testing

6.1 The Permittee shall cause to be conducted a performance test at any specified emission point when so directed by the Division. The following provisions shall apply with regard to such tests:

a. All tests shall be conducted and data reduced in accordance with applicable procedures and methods specified in the Division's Procedures for Testing and Monitoring Sources of Air Pollutants.

b. All test results shall be submitted to the Division within sixty (60) days of the completion of testing.

c. The Permittee shall provide the Division thirty (30) days (or sixty (60) days for tests required by 40 CFR Part 63) prior written notice of the date of any performance test(s) to afford the Division the opportunity to witness and/or audit the test, and shall provide with the notification a test plan in accordance with Division guidelines.

d. All monitoring systems and/or monitoring devices required by the Division shall be installed, calibrated and operational prior to conducting any performance test(s). For any performance test, the Permittee shall, using the monitoring systems and/or monitoring devices, acquire data during each performance test run. All monitoring system and/or monitoring device data acquired during the performance testing shall be submitted with the performance test results.

6.2 Performance and compliance tests shall be conducted and data reduced in accordance with applicable procedures and methods specified in the Division's Procedures for Testing and Monitoring Sources of Air Pollutants. The methods for the determination of compliance with emission limits listed under Section 2.0 are as follows:

a. Method 1 for determination of sample point locations,

b. Method 2 for the determination of flow rate,

c. Method 3 or 3A for the determination of stack gas molecular weight,

d. Method 3B for the determination of the correction factor or excess air, where applicable. Method 3A may be used as an alternative,

e. Method 4 for the determination of stack gas moisture,

f. Method 5 for the determination of Particulate Matter emissions,

g. Method 9 and the procedures contained in Section 1.3 of the above reference document for the determination of opacity,

h. Method 19 when applicable, to convert particulate matter concentration (i.e. grains/dscf for PM, ppm for gaseous pollutants), as determined using other methods specified in this section, to emission rates (i.e. lb/MMBtu).

Minor changes in methodology may be specified or approved by the Director or his designee when necessitated by process variables, changes in facility design, or improvement or corrections that, in his opinion, render those methods or procedures, or portions thereof, more reliable.
[391-3-1-.02(3)(a)]

6.3 The Permittee shall submit performance test results to the US EPA's Central Data Exchange (CDX) using the Compliance and Emissions Data Reporting Interface (CEDRI) in accordance with any applicable NSPS or NESHAP standards (40 CFR 60 or 40 CFR 63) that contain Electronic Data Reporting Requirements. This Condition is only applicable if required by an applicable standard and for the pollutant(s) subject to said standard.
[391-3-1-.02(8)(a) and 391-3-1-.02(9)(a)]

7. Notification, Reporting and Record Keeping Requirements

7.1 Unless otherwise specified, all records required to be maintained by this Permit shall be recorded in a permanent form suitable for inspection and submission to the Division and to the EPA. The records shall be retained for at least five (5) years following the date of entry.
[391-3-1-.02(6)(b)1(i)]

7.2 In addition to any other reporting requirements of this Permit, the Permittee shall report to the Division in writing, within seven (7) days, any deviations from applicable requirements associated with any malfunction or breakdown of process, fuel burning, or emissions control equipment for a period of four hours or more which results in excessive emissions.

The Permittee shall submit a written report that shall contain the probable cause of the deviation(s), duration of the deviation(s), and any corrective actions or preventive measures taken.
[391-3-1-.02(6)(b)1(iv), 391-3-1-.03(10)(d)1(i)]

7.3 The Permittee shall submit written reports of any failure to meet an applicable emission limitation or standard contained in this permit and/or any failure to comply with or complete a work practice standard or requirement contained in this permit which are not otherwise reported in accordance with Conditions 7.4 or 7.2. Such failures shall be determined through observation, data from any monitoring protocol, or by any other monitoring which is required by this permit. The reports shall cover each semiannual period ending June 30 and December

31 of each year, shall be postmarked by August 29 and February 28, respectively following each reporting period, and shall contain the probable cause of the failure(s), duration of the failure(s), and any corrective actions or preventive measures taken.
[391-3-1-.03(10)(d)1.(i)]

7.4 The Permittee shall submit a written report containing any excess emissions, exceedances, and/or excursions as described in this permit and any monitor malfunctions for each semiannual period ending June 30 and December 31 of each year. All reports shall be postmarked by August 29 and February 28, respectively following each reporting period. In the event that there have not been any excess emissions, exceedances, excursions or malfunctions during a reporting period, the report should so state. Otherwise, the contents of each report shall be as specified by the Division's Procedures for Testing and Monitoring Sources of Air Pollutants and shall contain the following:
[391-3-1-.02(6)(b)1]

a. A summary report of excess emissions, exceedances and excursions, and monitor downtime, in accordance with Section 1.5(c) and (d) of the above referenced document, including any failure to follow required work practice procedures.

b. Total process operating time during each reporting period.

c. The magnitude of all excess emissions, exceedances and excursions computed in accordance with the applicable definitions as determined by the Director, and any conversion factors used, and the date and time of the commencement and completion of each time period of occurrence.

d. Specific identification of each period of such excess emissions, exceedances, and excursions that occur during startups, shutdowns, or malfunctions of the affected facility. Include the nature and cause of any malfunction (if known), the corrective action taken or preventive measures adopted.

e. The date and time identifying each period during which any required monitoring system or device was inoperative (including periods of malfunction) except for zero and span checks, and the nature of the repairs, adjustments, or replacement. When the monitoring system or device has not been inoperative, repaired, or adjusted, such information shall be stated in the report.

f. Certification by a Responsible Official that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

7.5 Where applicable, the Permittee shall keep the following records:
[391-3-1-.03(10)(d)1(i)]

a. The date, place, and time of sampling or measurement;

b. The date(s) analyses were performed;

c. The company or entity that performed the analyses;

d. The analytical techniques or methods used;

e. The results of such analyses; and

f. The operating conditions as existing at the time of sampling or measurement.

7.6 The Permittee shall maintain files of all required measurements, including continuous monitoring systems, monitoring devices, and performance testing measurements; all continuous monitoring system or monitoring device calibration checks; and adjustments and maintenance performed on these systems or devices. These files shall be kept in a permanent form suitable for inspection and shall be maintained for a period of at least five (5) years following the date of such measurements, reports, maintenance and records.
[391-3-1-.03(10)(d)1(i)]

7.7 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 7.4, the following excess emissions, exceedances, and excursions shall be reported:
[391-3-1-.02(6)(b)]

a. Excess emissions: (means for the purpose of this Condition and Condition 7.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)

i. None required to be reported in accordance with Condition 7.4.

b. Exceedances: (means for the purpose of this Condition and Condition 7.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)

i. Any time fuel oil fired in the auxiliary start up boiler (Source Code: ASB2) has a sulfur content which exceeds 0.5 percent by weight.

ii. Any time diesel fuel oil fired in any fire pump or emergency generator (Source Codes: FPD2, FPD3, SD1, HD1A, HD1B, HD1C, HD2A, or HD2C) a sulfur content which exceeds 0.5 percent sulfur by weight

iii. Any twelve consecutive month period when NOx emissions from the boiler (Source Code: ASB2), the Unit 1 and Unit 2 fire pumps (Source Codes: FPD2 and

FPD3), emergency generators (Source Codes: HD1A, HD1B, HD1C, HD2A, and HD2C), and security power emergency generator (Source Code: SD1) exceed 99 tons.

c. Excursions: (means for the purpose of this Condition and Condition 7.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)

i. Any calendar year where the Auxiliary Startup Boiler (Source Code: ASB2) operates with an average annual capacity factor greater than 10%; the limit defined in Condition 2.8.

7.8 The Permittee shall calculate the facility-wide monthly NOx emissions as follows: [391-3-1-.02(6)(b)1]

Using the NOx CERMs data required by Permit Condition No. 5.4, the Permittee shall calculate and record the monthly NOx emissions from the from the emergency generators (Source Codes: HD1A-C, HD2A, HD2C, SD1) and from the boiler (Source Code: ASB2), and fire pumps (Source Codes: FPD2 and FPD3).

AP42 Emission factors along with the non-resettable hour meters required by Permit Condition No. 5.3, will be used to determine monthly NOx emissions from the boiler (Source Code: ASB2), the Unit 1 and Unit 2 fire pumps (Source Codes: FPD2 and FPD3), emergency generators (Source Codes: HD1A, HD1B, HD1C, HD2A, and HD2C), and security power emergency generator (Source Code: SD1).

The facility-wide monthly NOx emissions are the sum of the monthly NOx emissions from from the emergency generators (Source Codes: HD1A-C, HD2A, HD2C, SD1) and from the boiler (Source Code: ASB2), and the Unit 1 and Unit 2 fire pumps (Source Codes: FPD2 and FPD3).

These records (including calculations) shall be maintained in a format suitable and available for inspection and submittal.

7.9 The Permittee shall use the records of monthly NOx emissions required in Permit Condition No. 7.8 to calculate and record the twelve consecutive month total NOx emissions from the the boiler (Source Code: ASB2), the Unit 1 and Unit 2 fire pumps (Source Codes: FPD2 and FPD3), emergency generators (Source Codes: HD1A, HD1B, HD1C, HD2A, and HD2C),

and security power emergency generator (Source Code: SD1). The twelve consecutive month total shall be calculated each month by adding that month's NOx emissions to the monthly NOx emission from the previous eleven months. These records (including calculations) shall be maintained in a format suitable and available for inspection and submittal.
[391-3-1-.02(6)(b)1]

7.10 The Permittee shall verify that each shipment of diesel fuel oil, and fuel oil received for combustion in all engines and boilers complies with the requirements of Conditions 2.1, and 2.2. Verifications shall consist of either of the following:
[391-3-1-.02(6)(b)(1)]

a. Diesel fuel oil and fuel oil receipts obtained from the fuel supplier certifying that the oil meets the requirements specified in Conditions 2.1, and 2.2.

b. Analysis of the fuel oil conducted by methods of sampling and analysis, which have been specified or approved by the Division, showing the oil meets the requirements specified in Conditions 2.1, and 2.2.

7.11 The Permittee shall submit a semiannual report by August 29 and February 28, respectively following each reporting period, unless otherwise approved by the Division. The report shall be prepared from records retained in accordance with Condition 7.10 submitted in a manner suitable to the Division and containing the following:
[391-3-1-.02(6)(b)1]

a. A statement, signed by an official of the company, affirming that all diesel fuel oil burned during the reporting period met the specifications as required by Condition 2.2.

b. A statement, signed by an official of the company, affirming that all fuel oil burned in each boiler during the reporting period met the specifications, as required by Condition 2.1

c. Included in the signed statement referred to in paragraphs a. and b. above, will be an explanation on which verification method, as required by Condition. 7.10, was used for fuel sulfur content certification.

7.12 Where applicable, the Permittee shall keep the following records related to taking fuel oil samples when showing compliance with Conditions 2.1, and 2.2, with the method described in Conditions 7.10b and 7.11b:
[391-3-1-.03(10)(d)1(i)]

a. The date, place, and time of sampling or measurement;

b. The date(s) analyses were performed;

c. The company or entity that performed the analyses;

d. The analytical techniques or methods used;

e. The results of such analyses; and

f. The operating conditions as existing at the time of sampling or measurement.

7.13 The Permittee shall maintain the following records from the Auxiliary Startup Boiler (Source Code: ASB2) as specified in 40 CFR 63.11225(c):

a. As required in 40 CFR 63.10(b)(2)(xiv), the Permittee must keep a copy of each notification and report that is submitted to comply with this subpart and all documentation supporting any Initial Notification or Notification of Compliance Status that is submitted.
[40 CFR 63.11225(c)(1)]

b. The Permittee must keep records to document conformance with the work practices, emission reduction measures, and management practices as specified in Condition 5.2.1 and below:
[40 CFR 63.11225(c)(2)]

i. Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.
[40 CFR 63.11225(c)(2)(i)]

ii. The Permittee shall retain monthly records of all fuel burned in the Auxiliary Startup Boiler (Source Code: ASB2). The records shall be available for inspection or submittal to the Division, upon request, and contain either the monthly number of run hours or monthly heat input to demonstrate compliance with condition 3.3.2. The Permittee shall also keep a copy of this permit which limits the annual capacity factor to less than or equal to 10 percent.
[40 CFR 63.11225(c)(2)(vi)]

c. Records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment.
[40 CFR 63.11225(c)(4)]

d. Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR 63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.
[40 CFR 63.11225(c)(5)]

7.14 The Permittee shall submit the following notifications from the Auxiliary Startup Boiler (Source Code: ASB2) as specified in 40 CFR 63.11225(a):
[40 CFR 63.11225(a)]

a. The Permittee must submit the Notification of Compliance Status in accordance with 40 CFR 63.9(h). In addition to the information required in 40 CFR 63.9(h)(2), the notification must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

i. This facility complies with the requirements in 40 CFR 63.11214 to conduct an initial tune-up of the boiler.

ii. This facility has had an energy assessment performed according to 40 CFR 63.11214(c), if required.

7.15 The Permittee shall prepare and submit to the Division, upon request, a 5-year compliance report by March 1 of the year following the tune-up. The report shall include the following:
[40 CFR 63.11225(b)(1) and (2)]

a. Company name and address.

b. Statement by a responsible official, with the official's name, title, phone number, e-mail address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of this subpart. Your notification must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

i. This facility complies with the requirements in 40 CFR 63.11223 to conduct a 5-year tune-up, as applicable, of each boiler.

ii. For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act: "No secondary materials that are solid waste were combusted in any affected unit."

7.16 The Permittee must notify the Division within 30 days of a fuel switch or a physical change to the Auxiliary Startup Boiler (Source Code: ASB2) that results in the applicability of a different boiler subcategory within 40 CFR 63 Subpart JJJJJJ or in the boiler switching out of 40 CFR 63 Subpart JJJJJJ.
[40 CFR 63.11225(g)]

7.17 The Permittee must maintain records in a form suitable and readily available for expeditious review. The Permittee must keep each record for 5 years following the date of each recorded action. The Permittee must keep each record on-site or be accessible from a central location by computer or other means that instantly provide access at the site

for at least 2 years after the date of each recorded action. The facility may keep the record off site for the remaining 3 years.
[40 CFR 63.11225(d)]

7.18 The Permittee shall operate and maintain the Unit 1 and Unit 2 fire pumps (Source Codes: FPD2 and FPD3), emergency generators (Source Codes: HD1A, HD1B, HD1C, HD2A, and HD2C) and security power emergency generator (Source Code: SD1), according to the manufacturer's emission-related written instructions, or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
[40 CFR 63.6625(e)]

7.19 The Permittee shall keep records of the information in paragraphs a. through c. of this condition for the Unit 1 and Unit 2 fire pumps (Source Codes: FPD2 and FPD3), emergency generators (Source Codes: HD1A, HD1B, HD1C, HD2A, and HD2C) and security power emergency generator (Source Code: SD1), .
[391-3-1-.02(6)(b)1]

a. Monthly Hours of operation of each engine.

b. Twelve-consecutive monthly rolling total of hours of operation for each engine.

c. The amount of operating hours that are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in §63.6640(f)(2)(ii) or (iii) or §63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

8. Special Conditions

8.1 At any time that the Division determines that additional control of emissions from the facility may reasonably be needed to provide for the continued protection of public health, safety and welfare, the Division reserves the right to amend the provisions of this Permit pursuant to the Division's authority as established in the Georgia Air Quality Act and the rules adopted pursuant to that Act.

8.2 The Permittee shall calculate and pay an annual Permit fee to the Division. The amount of the fee shall be determined each year in accordance with the "Procedures for Calculating Air Permit Application & Annual Permit Fees."

8.3 All Georgia Air Quality Permits previously issued to this facility, including Air Quality Permit No. 4911-001-0001-V-04-0 and its amendments, are hereby revoked in their entirety.