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*Director*



NORTH CAROLINA  
*Environmental Quality*

Month XX, 2024

Mr. Don Harris  
VP & General Manager  
Dominion Energy North Carolina  
800 Gastonia Rd  
Bldg A  
Gastonia, NC 28056

Subject: Air Permit No. 10805R00  
Moriah Energy Center  
Rougemont, Person County, North Carolina  
Permit Class: Synthetic Minor  
Facility ID# 7300086

Dear Mr. Harris:

In accordance with your completed application received August 31, 2023, we are forwarding herewith Permit No. 10805R00 to Moriah Energy Center, Rougemont, Person County, North Carolina for the construction and operation of air emissions sources or air cleaning devices and appurtenances. Additionally, any emissions activities determined from your air permit application as meeting the exemption requirements contained in 15A NCAC 2Q .0102 have been listed for information purposes as an "ATTACHMENT" to the enclosed air permit.

If any parts, requirements, or limitations contained in this permit are unacceptable to you, you have the right to file a petition for contested case hearing in the North Carolina Office of Administrative Hearings. Information regarding the right, procedure, and time limit for permittees and other persons aggrieved to file such a petition is contained in the attached "Notice Regarding the Right to Contest a Division of Air Quality Permit Decision."

**Unless exempted by a condition of this permit or the regulations, construction of new air pollution sources or air cleaning devices, or modifications to the sources or air cleaning devices described in this permit must be covered under a permit issued by the Division of Air Quality prior to construction. Failure to do so is a violation of G.S. 143-215.108 and may subject the Permittee to civil or criminal penalties as described in G.S. 143-215.114A and 143-215.114B.**

This permit shall be effective from Month XX, 2024 until Month XX, 2032, is nontransferable to future owners and operators, and shall be subject to the conditions and limitations as specified therein.



North Carolina Department of Environmental Quality | Division of Air Quality

Raleigh Regional Office | 3800 Barrett Drive | Raleigh, NC 27609

919.791.4200 T | 919.881.2261 F

**The Permittee is responsible for carefully reading the entire permit and evaluating the requirements of each permit stipulation. The Permittee shall comply with all terms, conditions, requirements, limitations and restrictions set forth in this permit. Noncompliance with any permit condition is grounds for enforcement action, for permit termination, revocation and reissuance, or modification, or for denial of a permit renewal application.**

- The facility is a Greenfield and the following stipulations have been included in the permit: Title 15A North Carolina Administrative Code (NCAC), Subchapter 2D .0202, 2D .0503, 2D .0516, 2D .0521, 2D .0524 (40 CFR 60, Subpart Dc, Subpart IIII, Subpart JJJJ), 2D .0535, 2D .0540, 2D .1100, 2D .1111 (40 CFR 63, Subpart ZZZZ), 2D .1806, 2Q .0304, 2Q .0315, 2Q .0317 (Avoidance) and 2Q .0711.

Should you have any questions concerning this matter, please contact Cindy Huang at 919-791-4276 or [sindy.huang@deq.nc.gov](mailto:sindy.huang@deq.nc.gov).

Sincerely,

Dawn L. Reddix, Regional Supervisor  
Division of Air Quality, NC DEQ

SH  
Enclosures

c: Laserfiche

**NOTICE REGARDING THE RIGHT TO CONTEST A DIVISION OF AIR QUALITY  
PERMIT DECISION**

**Right of the Permit Applicant or Permittee to File a Contested Case:** Pursuant to NCGS 143-215.108(e), a permit applicant or permittee who is dissatisfied with the Division of Air Quality's decision on a permit application may commence a contested case by filing a petition under NCGS 150B-23 in the Office of Administrative Hearings within 30 days after the Division notifies the applicant or permittee of its decision. If the applicant or permittee does not file a petition within the required time, the Division's decision on the application is final and is not subject to review. The filing of a petition will stay the Division's decision until resolution of the contested case.

**Right of Other Persons Aggrieved to File a Contested Case:** Pursuant to NCGS 143-215.108(e1), a person other than an applicant or permittee who is a person aggrieved by the Division's decision on a permit application may commence a contested case by filing a petition under NCGS 150B-23 within 30 days after the Division provides notice of its decision on a permit application, as provided in NCGS 150B-23(f), or by posting the decision on a publicly available Web site. The filing of a petition under this subsection does not stay the Division's decision except as ordered by the administrative law judge under NCGS 150B-33(b).

**General Filing Instructions:** A petition for contested case hearing must be in the form of a written petition, conforming to NCGS 150B-23, and filed with the Office of Administrative Hearings, 1711 New Hope Church Road, Raleigh NC, 27609, along with a fee in an amount provided in NCGS 150B-23.2. A petition for contested case hearing form may be obtained upon request from the Office of Administrative Hearings or on its website at <https://www.oah.nc.gov/hearings-division/filing/hearing-forms>. Additional specific instructions for filing a petition are set forth at 26 NCAC Chapter 03.

**Service Instructions:** A party filing a contested case is required to serve a copy of the petition, by any means authorized under 26 NCAC 03 .0102, on the process agent for the Department of Environmental Quality:

William F. Lane, General Counsel  
North Carolina Department of Environmental Quality  
1601 Mail Service Center  
Raleigh, North Carolina 27699-1601

If the party filing the petition is a person aggrieved other than the permittee or permit applicant, the party **must also** serve the permittee in accordance with NCGS 150B-23(a).

\* \* \*

Additional information is available at <https://www.oah.nc.gov/hearings-division/hearing-process/filing-contested-case>. Please contact the OAH at 984-236-1850 or [oah.postmaster@oah.nc.gov](mailto:oah.postmaster@oah.nc.gov) with all questions regarding the filing fee and/or the details of the filing process.

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NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COMMISSION

DEPARTMENT OF ENVIRONMENTAL QUALITY

DIVISION OF AIR QUALITY

**AIR PERMIT NO. 10805R00**

Issue Date: **Month XX, 2024**

Effective Date: **Month XX, 2024**

Expiration Date: **Month XX, 2032**

Replaces Permit: (new)

To construct and operate air emission source(s) and/or air cleaning device(s), and for the discharge of the associated air contaminants into the atmosphere in accordance with the provisions of Article 21B of Chapter 143, General Statutes of North Carolina (NCGS) as amended, and other applicable Laws, Rules and Regulations,

Moriah Energy Center  
 6633 Helena Moriah Road  
 Rougemont, Person County, North Carolina  
 Permit Class: Synthetic Minor  
 Facility ID# 7300086

(the Permittee) is hereby authorized to construct and operate the air emissions sources and/or air cleaning devices and appurtenances described below:

<b>Emission Source ID</b>	<b>Emission Source Description</b>	<b>Control System ID</b>	<b>Control System Description</b>
<b>Phase I</b>			
ES1 (NSPS), ES2 (NSPS), ES3 (NSPS)	Three (3) natural gas-fired glycol heaters (99 million Btu per hour maximum heat input, each) (Glycol Heater Nos. 1, 2, and 3)	N/A	N/A
ES4 (NSPS)	Fuel gas-fired regeneration gas heater (18 million Btu per hour maximum heat input) (Regeneration Heater No. 1)	N/A	N/A
ES5	Hydrocarbon Separator No. 1	CD5	Fuel gas-fired flare (75.7 million Btu per hour maximum heat input, 856.1 scfm maximum flow rate) with a fuel gas-fired pilot light (0.09 million Btu per hour maximum heat input) (Flare No. 1)
ES6 (NSPS,NESHAP)	Natural gas-fired emergency generator (2,000 kilowatt maximum output capacity) (Generator No. 1)	N/A	N/A
ES7 (NSPS,NESHAP)	Natural gas-fired emergency generator (2,000 kilowatt maximum output capacity) (Generator No. 2)	N/A	N/A
ES8 (NSPS,NESHAP)	Natural gas-fired emergency generator (2,000 kilowatt maximum output capacity) (Generator No. 3)	N/A	N/A

<b>Emission Source ID</b>	<b>Emission Source Description</b>	<b>Control System ID</b>	<b>Control System Description</b>
ES9 (NSPS,NESHAP)	Diesel-fired firewater pump (500 horsepower maximum output capacity) (Firewater Pump)	N/A	N/A
<b>Phase II</b>			
ES10 (NSPS), ES11 (NSPS), ES12 (NSPS)	Three (3) natural gas-fired glycol heaters (99 million Btu per hour maximum heat input, each) (Glycol Heater Nos. 4, 5, and 6)	N/A	N/A
ES13 (NSPS)	Fuel gas-fired regeneration gas heater (18 million Btu per hour maximum heat input) (Regeneration Heater No. 2)	N/A	N/A
ES14	Hydrocarbon Separator No. 2	CD14	Fuel gas-fired flare (75.7 million Btu per hour maximum heat input, 856.1 scfm maximum flow rate) with a fuel gas-fired pilot light (0.09 million Btu per hour maximum heat input) (Flare No. 2)
ES15 (NSPS,NESHAP)	Natural gas-fired emergency generator (2,000 kilowatt maximum output capacity) (Generator No. 4)	N/A	N/A
ES16 (NSPS,NESHAP)	Natural gas-fired emergency generator (2,000 kilowatt maximum output capacity) (Generator No. 5)	N/A	N/A
ES17 (NSPS,NESHAP)	Natural gas-fired emergency generator (2,000 kilowatt maximum output capacity) (Generator No. 6)	N/A	N/A
<b>Miscellaneous</b>			
ES18	Natural gas receive and send pipeline pigging operations	N/A	N/A
ES19	Regeneration and boil off gas pipeline pigging operations	N/A	N/A
ES20	Fugitive emissions from truck loading and unloading and component leaks	N/A	N/A

in accordance with the completed application 7300086.23A received August 31, 2023 including any plans, specifications, previous applications, and other supporting data, all of which are filed with the Department of Environmental Quality, Division of Air Quality (DAQ) and are incorporated as part of this permit.

This permit is subject to the following specified conditions and limitations including any TESTING, REPORTING, OR MONITORING REQUIREMENTS:

#### **A. SPECIFIC CONDITIONS AND LIMITATIONS**

1. Any air emission sources or control devices authorized to construct and operate above must be operated and maintained in accordance with the provisions contained herein. The Permittee shall comply with applicable Environmental Management Commission Regulations, including Title 15A North Carolina Administrative Code (NCAC), Subchapter 2D .0202, 2D .0503, 2D .0516, 2D .0521, 2D .0524 (40 CFR 60, Subpart Dc, Subpart III, Subpart JJJJ), 2D .0535, 2D .0540, 2D .1100, 2D .1111 (40 CFR 63, Subpart ZZZZ), 2D .1806, 2Q.0304, 2Q .0315, 2Q .0317 (Avoidance) and 2Q .0711.

2. **PERMIT RENEWAL AND EMISSION INVENTORY REQUIREMENT** - The Permittee, at least 90 days prior to the expiration date of this permit, shall request permit renewal by letter in accordance with 15A NCAC 2Q .0304(d) and (f). Pursuant to 15A NCAC 2Q .0203(i), no permit application fee is required for renewal of an existing air permit (without a modification request). The renewal request (with application Form A) should be submitted to the Regional Supervisor, DAQ. Also, at least 90 days prior to the expiration date of this permit, the Permittee shall submit the air pollution emission inventory report (with Certification Sheet) in accordance with 15A NCAC 2D .0202, pursuant to N.C. General Statute 143 215.65. The report shall be submitted to the Regional Supervisor, DAQ and shall document air pollutants emitted for the 2030 calendar year.
3. **PARTICULATE CONTROL REQUIREMENT** - As required by 15A NCAC 2D .0503 "Particulates from Fuel Burning Indirect Heat Exchangers," particulate matter emissions from the fuel burning indirect heat exchangers shall not exceed the allowable emission rates listed below:

<b>Source</b>	<b>Emission Limit (lbs/million Btu)</b>
Natural gas-fired glycol heaters (99 million Btu per hour maximum heat input, each) (Glycol Heaters No. 1 through 6) (ID Nos. ES1, ES2, ES3, ES10, ES11, and ES12)	0.205, each
Fuel gas-fired regeneration gas heaters (18 million Btu per hour maximum heat input, each) (Regeneration Heaters No. 1 and 2) (ID Nos. ES4 and ES13)	0.205, each

4. **SULFUR DIOXIDE CONTROL REQUIREMENT** - As required by 15A NCAC 2D .0516 "Sulfur Dioxide Emissions from Combustion Sources," sulfur dioxide emissions from the combustion sources shall not exceed 2.3 pounds per million Btu heat input.
5. **VISIBLE EMISSIONS CONTROL REQUIREMENT** - As required by 15A NCAC 2D .0521 "Control of Visible Emissions," visible emissions from the emission sources, manufactured after July 1, 1971, shall not be more than 20 percent opacity when averaged over a six-minute period, except that six-minute periods averaging not more than 87 percent opacity may occur not more than once in any hour nor more than four times in any 24-hour period. However, sources which must comply with a visible emissions standard in 15A NCAC 2D .0524 "New Source Performance Standards" or .1110 "National Emission Standards for Hazardous Air Pollutants" shall meet that standard instead of the 2D .0521 visible emissions standard.
6. **15A NCAC 2D .0524 "NEW SOURCE PERFORMANCE STANDARDS"** - For Glycol Heater No. 1 (ID No. ES1), Glycol Heater No. 2 (ID No. ES2), Glycol Heater No. 3 (ID No. ES3), Glycol Heater No. 4 (ID No. ES10), Glycol Heater No. 5 (ID No. ES11), Glycol Heater No. 6 (ID No. ES12), Regeneration Heater No. 2 (ID No. ES13) and Regeneration Heater No. 1 (ID No. ES4), the Permittee shall comply with all applicable provisions, including the notification, testing, reporting, recordkeeping, and monitoring requirements contained in Environmental Management Commission Standard 15A NCAC 2D .0524

"New Source Performance Standards" (NSPS) as promulgated in 40 CFR 60, Subpart Dc, including Subpart A "General Provisions."

a. NSPS Reporting Requirements - In addition to any other notification requirements to the Environmental Protection Agency (EPA), the Permittee is required to NOTIFY the Regional Supervisor, DAQ, in WRITING, of the following:

- i. The date construction (40 CFR 60.7) or reconstruction (40 CFR 60.15) of an affected source is commenced, postmarked no later than 30 days after such date. This requirement shall not apply in the case of mass-produced facilities which are purchased in completed form;
- ii. The actual date of initial start-up of an affected source, postmarked within 15 days after such date. If the affected source is permitted to burn multiple fuels, then the actual date of start-up, for each fuel, must be submitted and postmarked within 15 days after such date;

b. NSPS Recordkeeping Requirements - In addition to any other recordkeeping requirements of the EPA, the Permittee is required to maintain records as follows:

- i. The amounts of each fuel combusted during each month; and
- ii. All records required under this section shall be maintained for a period of two years following the date of such record.

7. 15A NCAC 2D .0524 "NEW SOURCE PERFORMANCE STANDARDS" - For the following equipment, The Permittee shall comply with all applicable provisions, including the notification, testing, reporting, recordkeeping, and monitoring requirements contained in Environmental Management Commission Standard 15A NCAC 2D .0524 "New Source Performance Standards" (NSPS) as promulgated in 40 CFR 60, Subpart indicated below, and including Subpart A "General Provisions."

Emission Source(s)	Regulation
Firewater Pump (ID No. ES9)	40 CFR 60, Subpart III "Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (CI ICE)"

a. Emission Standards:

- i. The Permittee shall operate and maintain stationary CI ICE that achieve the emission standards as required in 60.4205 over the entire life of the engine.
- ii. For the fire pump engines with a displacement of less than 30 liters per cylinder, the Permittee shall comply with the emission standards in Table 4 of 40 CFR 60 Subpart III, for all pollutants. [60.4205(c)]

b. Fuel Requirements:



- i. Engines subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel shall use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel, as listed below, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted. [60.4207(b)]
  - A. Has a maximum sulfur content of 15 ppm [40 CFR 80.510(b)]; and
  - B. Has a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent. [40 CFR 80.510(b)]
- c. Monitoring Requirements:
  - i. For the emergency stationary CI ICE that does not meet the standards applicable to non-emergency engines, the Permittee shall install a non-resettable hour meter prior to startup of the engine. [60.4209(a)]
- d. Compliance Requirements:
  - i. The Permittee shall do all the following, except as permitted under 40 CFR 60.4211(g): [60.4211(a)]
    - A. Operate and maintain the stationary CI ICE and control device according to the manufacturer's written emission-related instructions or procedures developed by the Permittee that are approved by the engine manufacturer; [60.4211(a)(1)]
    - B. Change only those emission-related settings that are permitted by the manufacturer [60.4211(a)(2)]; and
    - C. Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as applicable. [60.4211(a)(3)]
  - ii. For the 2007 model year and later stationary CI ICE that must comply with the emission standards specified in 40 CFR 60.4204(b) or 4205(b), or for the CI fire pump engine that is manufactured during or after the model year that applies to the fire pump engine power rating in Table 3 to 40 CFR 60 Subpart IIII that must comply with the emission standards specified in 40 CFR 60.4205(c), the Permittee shall comply by purchasing an engine certified to the emission standards in 40 CFR 60.4204(b), or 4205(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. The engine shall be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 40 CFR 60.4211(g). [60.4211(c)]
  - iii. For modified or reconstructed stationary CI ICE that must comply with the emission standards of 40 CFR 60.4204(e) or 60.4205(f), the Permittee shall demonstrate compliance according to one of the following methods: [60.4211(e)]

- A. Purchasing, or otherwise owning or operating an engine certified to the emission standards in 40 CFR 60.4204(e) or 60.4205(f), as applicable. [60.4211(e)]
  - B. Conducting a performance test to demonstrate initial compliance with the emission standards according to the requirements specified in 40 CFR 60.4212 or 60.4213, as appropriate. The test shall be conducted within 60 days after the engine commences operation after the modification or reconstruction. [60.4211(e)]
- iv. If the Permittee does not install, configure, operate, and maintain the engine and control device according to the manufacturer's emission-related written instructions, or if the Permittee changes emission-related settings in a way that is not permitted by the manufacturer, the Permittee shall demonstrate compliance per the requirements of 40 CFR 60.4211(g). [60.4211(g)]
  - v. The Permittee shall operate the emergency stationary ICE according to the requirements in paragraphs A through C below. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs A through C below, is prohibited. If the Permittee does not operate the engine according to the requirements in paragraphs A through C below, the engine will not be considered an emergency engine under this subpart and shall meet all requirements for non-emergency engines. [60.4211(f)]
    - A. There is no limit on the use of emergency stationary ICE in emergency situations.
    - B. The Permittee may operate the emergency stationary ICE for any combination of the purposes specified in paragraph I below for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph C below counts as part of the 100 hours per calendar year allowed by this paragraph B.
      - I. Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.
    - C. Emergency stationary ICE may be operated 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 provided in paragraph B above. Except as provided in paragraph I below, the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

I. 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:

(a) The engine is dispatched by the local balancing authority or local transmission and distribution system operator;

(b) 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;

(c) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines;

(d) The power is provided only to the facility itself or to support the local transmission and distribution system; and

(e) The Permittee 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 Permittee.

e. Recordkeeping Requirements:

- i. If the stationary CI ICE is equipped with a diesel particulate filter, the Permittee shall keep records of any corrective action taken after the backpressure monitor has notified the Permittee that the high backpressure limit of the engine is approached. [60.4214(c)]
- ii. All records required under this section shall be maintained for a period of two (2) years following the date of such record. All records shall be kept on-site and made available to DAQ personnel upon request. [40 CFR 60.7(f)]
- iii. Starting with the model years in Table 5 to 40 CFR 60, Subpart IIII, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the Permittee shall keep records of the

operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The Permittee shall record the time of operation of the engine and the reason the engine was in operation during that time. [60.4214(b)]

f. Notification and Reporting Requirements:

- i. No initial notifications under 40 CFR 60.7(a)(1) and (a)(3) are required for emergency use engines. [60.4214(b)]
- ii. For the emergency stationary CI ICE with a maximum engine power more than 100 HP that operates for non-emergency situations as described above, the Permittee shall submit an annual report according to the following requirements: [60.4214(d)]

A. The report shall contain the following information:

- I. Company name and address where the engine is located.
- II. Date of the report and beginning and ending dates of the reporting period.
- III. Engine site rating and model year.
- IV. Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.
- V. Hours spent for operation for non-emergency situations as described above, including the date, start time, and end time for these non-emergency situations. The report shall also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

B. The first annual report shall cover the calendar year 2015 and shall be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year shall be submitted no later than March 31 of the following calendar year.

C. The annual report shall be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report shall be submitted to the Administrator at the appropriate address listed in 40 CFR 60.4.

8. 15A NCAC 2D .0524 "NEW SOURCE PERFORMANCE STANDARDS" - For the following equipment, the Permittee shall comply with all applicable provisions, including the notification, testing, reporting, recordkeeping, and monitoring requirements contained in Environmental Management Commission Standard 15A NCAC 2D .0524 "New Source Performance Standards" (NSPS) as promulgated in 40 CFR Part 60, Subpart indicated below, and including Subpart A "General Provisions."

Emission Source(s)	Regulation
Generator No. 1 (ID No. ES6), Generator No. 2 (ID No. ES7), Generator No. 3 (ID No. ES8), Generator No. 4 (ID No. ES15), Generator No. 5 (ID No. ES16), and Generator No. 6 (ID No. ES17)	<b>Subpart JJJJ</b> Standards of Performance for Stationary Spark Ignition Combustion Engines (SI ICE)

- a. Monitoring Requirements - As required by 15A NCAC 2D .0524, the following monitoring requirements shall apply:
- i. If the emergency stationary SI ICE that is greater than or equal to 500 HP that was built on or after July 1, 2010, does not meet the standards applicable to non-emergency engines, the Permittee shall install a non-resettable hour meter. [60.4237(a)]
- b. Compliance Requirements - As required by 15A NCAC 2D .0524, the following compliance requirements shall apply:
- i. The Permittee shall operate and maintain stationary SI ICE that achieve the emission standards as required in 40 CFR 60.4233 over the entire life of the engine. [60.4234]
  - ii. Owners and operators of stationary SI ICE who conduct performance tests shall follow the procedures in 40 CFR 60.4244. [60.4244]
  - iii. For SI ICE manufactured after July 1, 2008, which must comply with the emission standards specified in 40 CFR 60.4233(a) through (c), the Permittee shall comply by purchasing an engine certified to the emission standards in 40 CFR 60.4231(a) through (c), as applicable, for the same engine class and maximum engine power. In addition, the Permittee shall meet **one** of the requirements specified in (A) and (B) of this section. [60.4243(a)]
    - A. If the certified stationary SI ICE and control device are operated and maintained according to the manufacturer's emission-related written instructions, the Permittee shall keep records of conducted maintenance to demonstrate compliance, but no performance testing is required. The Permittee shall also meet the requirements as specified in 40 CFR Part 1068, Subparts A through D, as they apply to the engine. If engine settings are adjusted according to and

consistent with the manufacturer's instructions, the stationary SI ICE will not be considered out of compliance. [60.4243(a)(1)]

B. If the certified stationary SI ICE and control device are not operated and maintained according to the manufacturer's emission-related written instructions, the engine will be considered a non-certified engine, and the Permittee shall demonstrate compliance according to the following, as appropriate. [60.4243(a)(2)]

I. If the stationary SI ICE is greater than 500 HP, the Permittee shall keep a maintenance plan and records of conducted maintenance and shall, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the Permittee shall conduct an initial performance test within 1 year of engine startup and conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance. [60.4243(a)(2)(iii)]

iv. If the stationary SI ICE must comply with the emission standards specified in 40 CFR 60.4233(d) or (e), the Permittee shall demonstrate compliance according to one of the methods specified in paragraphs A and B of this section. [60.4243(b)]

A. Purchasing an engine certified according to procedures specified in this subpart, for the same model year and demonstrating compliance according to one of the methods specified in paragraph I and II of this section. [60.4243(b)(1)]

I. If the certified stationary SI ICE and control device are operated and maintained according to the manufacturer's emission-related written instructions, the Permittee shall keep records of conducted maintenance to demonstrate compliance, but no performance testing is required. The Permittee shall also meet the requirements as specified in 40 CFR Part 1068, Subparts A through D, as they apply to the engine. If engine settings are adjusted according to and consistent with the manufacturer's instructions, the stationary SI ICE will not be considered out of compliance. [60.4243(a)(1)]

II. If the certified stationary SI ICE and control device are not operated and maintained according to the manufacturer's emission-related written instructions, the engine will be considered a non-certified engine, and the Permittee shall demonstrate compliance according to the following, as appropriate. [60.4243(a)(2)]

(a) If the stationary SI ICE is greater than 500 HP, the Permittee shall keep a maintenance plan and records of

conducted maintenance and shall, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the Permittee shall conduct an initial performance test within 1 year of engine startup and conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance. [60.4243(a)(2)(iii)]

B. Purchasing a non-certified engine and demonstrating compliance with the emission standards specified in 40 CFR 60.4233(d) or (e) and according to the requirements specified in 40 CFR 60.4244, as applicable, and according to the following: [60.4243(b)(2)]

I. If the stationary SI ICE is greater than 500 HP, the Permittee shall keep a maintenance plan and records of conducted maintenance and shall, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the Permittee shall conduct an initial performance test and conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance. [60.4243(b)(2)(ii)]

v. If the stationary SI ICE must comply with the emission standards specified in 40 CFR 60.4233(f), the Permittee shall demonstrate compliance according to paragraph A of this section, except that if the Permittee complies according to paragraph A of this section, the Permittee demonstrates that the non-certified engine complies with the emission standards specified in 40 CFR 60.4233(f). [60.4243(c)]

A. Purchasing an engine certified according to procedures specified in this subpart, for the same model year and demonstrating compliance according to one of the methods specified in paragraph I and II of this section. [60.4243(b)(1)]

I. If the certified stationary SI ICE and control device are operated and maintained according to the manufacturer's emission-related written instructions, the Permittee shall keep records of conducted maintenance to demonstrate compliance, but no performance testing is required. The Permittee shall also meet the requirements as specified in 40 CFR Part 1068, Subparts A through D, as they apply to the engine. If engine settings are adjusted according to and consistent with the manufacturer's instructions, the stationary SI ICE will not be considered out of compliance. [60.4243(a)(1)]

II. If the certified stationary SI ICE and control device are not operated and maintained according to the manufacturer's

emission-related written instructions, the engine will be considered a non-certified engine, and the Permittee shall demonstrate compliance according to the following, as appropriate. [60.4243(a)(2)]

(a) If the stationary SI ICE is greater than 500 HP, the Permittee shall keep a maintenance plan and records of conducted maintenance and shall, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the Permittee shall conduct an initial performance test within 1 year of engine startup and conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance. [60.4243(a)(2)(iii)]

- vi. For an emergency stationary ICE, the Permittee shall operate the emergency stationary ICE according to the requirements in paragraphs A through C of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs A through C of this section, is prohibited. If the Permittee does not operate the engine according to the requirements in paragraphs A through C of this section, the engine will not be considered an emergency engine under this subpart and shall meet all requirements for non-emergency engines. [60.4243(d)]
- A. There is no time limit on the use of emergency stationary ICE in emergency situations. [60.4243(d)(1)]
- B. The Permittee may operate the emergency stationary ICE for any combination of the purposes specified in paragraph I of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph C of this section counts as part of the 100 hours per calendar year allowed by this paragraph B. [60.4243(d)(2)]
- I. Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that federal, state, or local standards require maintenance and testing of



emergency ICE beyond 100 hours per calendar year.

[60.4243(d)(2)(i)]

C. Emergency stationary ICE may be operated 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 provided in paragraph B. Except as provided in paragraph I of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

[60.4243(d)(3)]

I. 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:

[60.4243(d)(3)(i)]

(a) The engine is dispatched by the local balancing authority or local transmission and distribution system operator; [60.4243(d)(3)(i)(A)]

(b) 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; [60.4243(d)(3)(i)(B)]

(c) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards of guidelines; [60.4243(d)(3)(i)(C)]

(d) The power is provided only to the facility itself or to support the local transmission and distribution system [60.4243(d)(3)(i)(D)]; and

(e) The Permittee 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 Permittee. [60.4243(d)(3)(i)(E)]

vii. For a stationary SI ICE that is natural gas fired, the Permittee may operate this engine using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations, but shall keep records of such use. If propane is used for more than 100 hours per year in an engine that is not certified to the emission standards when using propane, the

Permittee is required to conduct a performance test to demonstrate compliance with the emission standards of 40 CFR 60.4233. [60.4243(e)]

- viii. If the stationary SI ICE is less than or equal to 500 HP and the Permittee purchases a non-certified engine or does not operate and maintain the certified stationary SI ICE and control device according to the manufacturer's written emission-related instructions, the Permittee is required to perform initial performance testing as indicated in this section, but the Permittee is not required to conduct subsequent performance testing unless the stationary engine is rebuilt or undergoes major repair or maintenance. A rebuilt stationary SI ICE means an engine that has been rebuilt as that term is defined in 40 CFR 94.11(a). [60.4243(f)]
- ix. For a modified or reconstructed stationary SI internal combustion engine that must comply with the emission standards specified in 40 CFR 60.4233(f), the Permittee shall demonstrate compliance according to one of the methods specified in paragraphs A or B of this section. [60.4243(i)]
  - A. Purchasing, or otherwise owning or operating, an engine certified to the emission standards in 40 CFR 60.4233(f), as applicable; or
  - B. Conducting a performance test to demonstrate initial compliance with the emission standards according to the requirements specified in 40 CFR 60.4244. The test shall be conducted within 60 days after the engine commences operation after the modification or reconstruction.
- c. Recordkeeping Requirements - As required by 15A NCAC 2D .0524, the following recordkeeping requirements shall apply:
  - i. The Permittee shall keep records as follows: [60.4245]
    - A. All notifications submitted to comply with this subpart and all documentation supporting any notification; [60.4245(a)(1)]
    - B. Maintenance conducted on the engine; [60.4245(a)(2)]
    - C. If the stationary SI ICE is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054, and 1060, as applicable [60.4245(a)(3)]; and
    - D. If the stationary SI ICE is not a certified engine or is a certified engine operating in a non-certified manner and subject to 40 CFR 60.4243(a)(2), documentation that the engine meets the emission standards. [60.4245(a)(4)]
  - ii. For all stationary SI emergency ICE greater than or equal to 500 HP manufactured on or after July 1, 2010, that do not meet the standards applicable to non-emergency engines, the Permittee shall keep records of the hours of operation of the engine that is recorded through the non-resettable

hour meter. The Permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. [60.4245(b)]

- iii. For non-certified engines greater than 25 HP, a copy of the maintenance plan and conducted maintenance. [60.4243(a)(1)]
  - iv. Copies of any performance testing required under this Subpart. [60.4245(d)]
  - v. All records required under this section shall be maintained for a period of two years following the date of such record. All records shall be kept on-site and made available to DAQ personnel upon request. The Permittee shall be deemed in noncompliance with 15A NCAC 2D .0524 if recordkeeping requirements are not maintained. [40 CFR 60.7(f)]
- d. Reporting Requirements - As required by 15A NCAC 2D .0524, the following reporting requirements shall apply:
- i. If the SI ICE is subject to performance testing, the testing shall be conducted according to the requirements of 40 CFR 60.4244, and the Permittee shall submit a copy of each performance test within 60 days after the test has been completed. [60.4243(a)(2), (b)(2), (e), and (f)]
  - ii. For stationary SI ICE greater than or equal to 500 HP that have not been certified by an engine manufacturer to meet the emission standards in 40 CFR 60.4231, the Permittee shall submit an initial notification as required in 40 CFR 60.7(a)(1). The notification shall include the information in paragraphs (A) through (E) of this section. [60.4245(c)]
    - A. Name and address of the owner or operator; [60.4245(c)(1)]
    - B. The address of the affected source; [60.4245(c)(2)]
    - C. Engine information including make, model, engine family, serial number, model year, maximum engine power, and engine displacement; [60.4245(c)(3)]
    - D. Emission control equipment; [60.4245(c)(4)] and
    - E. Fuel used. [60.4245(c)(5)]
  - iii. For an emergency stationary SI ICE with a maximum engine power more than 100 HP that operates for non-emergency situations as described above, the Permittee shall submit an annual report according to the requirements in paragraphs A through C of this section. [60.4245(e)]
    - A. The report shall contain the following information:
      - I. Company name and address where the engine is located.

- II. Date of the report and beginning and ending dates of the reporting period.
  - III. Engine site rating and model year.
  - IV. Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.
  - V. Hours spent for operation for non-emergency situations as described above, including the date, start time, and end time for engine operation for these non-emergency situations. The report shall also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.
- B. The first annual report shall cover the calendar year 2015 and shall be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year shall be submitted no later than March 31 of the following calendar year.
- C. The annual report shall be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report shall be submitted to the Administrator at the appropriate address listed in 40 CFR 60.4.
9. NOTIFICATION REQUIREMENT - As required by 15A NCAC 2D .0535, the Permittee of a source of excess emissions that last for more than four hours and that results from a malfunction, a breakdown of process or control equipment or any other abnormal conditions, shall:
- a. Notify the Director or his designee of any such occurrence by 9:00 a.m. Eastern time of the Division's next business day of becoming aware of the occurrence and describe:
    - i. the name and location of the facility,
    - ii. the nature and cause of the malfunction or breakdown,
    - iii. the time when the malfunction or breakdown is first observed,
    - iv. the expected duration, and
    - v. an estimated rate of emissions.
  - b. Notify the Director or his designee immediately when the corrective measures have been accomplished.

This reporting requirement does not allow the operation of the facility in excess of Environmental Management Commission Regulations.

10. **FUGITIVE DUST CONTROL REQUIREMENT** - As required by 15A NCAC 2D .0540 "Particulates from Fugitive Dust Emission Sources," the Permittee shall not cause or allow fugitive dust emissions to cause or contribute to substantive complaints or excess visible emissions beyond the property boundary. If substantive complaints are received or excessive fugitive dust emissions from the facility are observed beyond the property boundaries for six minutes in any one hour (using Reference Method 22 in 40 CFR, Appendix A), the owner or operator may be required to submit a fugitive dust plan as described in 2D .0540(f).

"Fugitive dust emissions" means particulate matter that does not pass through a process stack or vent and that is generated within plant property boundaries from activities such as: unloading and loading areas, process areas stockpiles, stock pile working, plant parking lots, and plant roads (including access roads and haul roads).

11. **TOXIC AIR POLLUTANT EMISSIONS LIMITATION AND REPORTING REQUIREMENT** - Pursuant to 15A NCAC 2D .1100 "Control of Toxic Air Pollutants," and in accordance with the approved application for an air toxic compliance demonstration, the permit limits in the table below shall not be exceeded. The Permittee has submitted a toxic air pollutant dispersion modeling analysis dated April 12, 2024, for the facility's toxic air pollutant emissions as listed in the below table. The modeling analysis was reviewed and approved by the DAQ Air Quality Analysis Branch (AQAB) on May 29, 2024. Placement of the emission sources, configuration of the emission points, and operation of the sources shall be in accordance with the submitted dispersion modeling analysis and should reflect any changes from the original analysis submittal as outlined in the AQAB review memo.

<b>Affected Source(s)</b>	<b>Toxic Air Pollutant</b>	<b>Emission Limit</b>
Six (6) Natural gas-fired glycol heaters (99 million Btu per hour maximum heat input, each) (Glycol Heaters No. 1 through 6) (ES1, ES2, ES3, ES10, ES11, and ES12)	Acrolein (107-02-8)	1.75E-06 pounds per hour, each
	Benzene (71-43-2)	1.79 pounds per year, each
	Formaldehyde (50-00-0)	0.00728 pounds per hour, each
	Hexane, n- (110-54-3)	4.20 pounds per day, each
Two (2) Fuel gas-fired regeneration gas heaters (18 million Btu per hour maximum heat input, each) (Regeneration Heaters No. 1 and 2) (ES4 and ES13)	Acrolein (107-02-8)	3.18E-07 pounds per hour, each
	Benzene (71-43-2)	0.325 pounds per year, each
	Formaldehyde (50-00-0)	0.00132 pounds per hour, each
	Hexane, n- (110-54-3)	0.763 pounds per day, each
Two (2) Hydrocarbon Separators (Hydrocarbon Separators No. 1 and 2) (ES5 and ES14)	Acrolein (107-02-8)	1.34E-06 pounds per hour, each
	Benzene (71-43-2)	1.37 pounds per year, each
	Formaldehyde (50-00-0)	0.00557 pounds per hour, each
	Hexane, n- (110-54-3)	16.4 pounds per day, each
Six (6) Natural gas-fired emergency generators (2,000 kilowatt maximum output capacity, each) (Generators No. 1 through 6) (ES6, ES7, ES8, ES15, ES16, and ES17)	Acrolein (107-02-8)	0.0984 pounds per hour, each
	Benzene (71-43-2)	73.8 pounds per year, each
	Formaldehyde (50-00-0)	1.01 pounds per hour, each
	Hexane, n- (110-54-3)	0.509 pounds per day, each
	Acrolein (107-02-8)	3.19E-04 pounds per hour
	Benzene (71-43-2)	28.2 pounds per year

Affected Source(s)	Toxic Air Pollutant	Emission Limit
Diesel-fired firewater pump (500 horsepower maximum output capacity) (Firewater Pump) (ES9)	Formaldehyde (50-00-0)	0.00407 pounds per hour
Natural gas receive and send pipeline pigging operations (ES18), Regeneration and boil-off gas pipeline pigging operations (ES19)	Hexane, n- (110-54-3)	33.6 pounds per day
Fugitive emissions from truck loading and unloading and component leaks (ES20)	Hexane, n- (110-54-3)	0.458 pounds per day

a. No recordkeeping or reporting requirements.

12. 15A NCAC 2D .1111 "MAXIMUM ACHIEVABLE CONTROL TECHNOLOGY" - For the Generator No. 4 (ID No. ES15), Generator No. 5 (ID No. ES16), Generator No. 6 (ID No. ES17), Generator No. 1 (ID No. ES6), Generator No. 2 (ID No. ES7), Generator No. 3 (ID No. ES8) and Firewater Pump (ID No. ES9), classified as **new** stationary RICE located at an area source of HAP emissions, the Permittee shall comply with all applicable provisions, including the notification, testing, reporting, recordkeeping, and monitoring requirements contained in Environmental Management Commission Standard 15A NCAC 2D .1111, as promulgated in 40 CFR 63, Subpart ZZZZ - "National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines," including Subpart A "General Provisions."
- a. In accordance with 40 CFR §63.6590(c)(1), this source(s) shall meet the requirements of 40 CFR 63 Subpart ZZZZ and Subpart A by meeting the requirements of 40 CFR 60 Subpart IIII for compression ignition engines or 40 CFR 60 Subpart JJJJ for spark ignition engines. No further requirements apply for such engines under 40 CFR 63 Subpart ZZZZ or Subpart A.
13. CONTROL AND PROHIBITION OF ODOROUS EMISSIONS - As required by 15A NCAC 2D .1806 "Control and Prohibition of Odorous Emissions" the Permittee shall not operate the facility without implementing management practices or installing and operating odor control equipment sufficient to prevent odorous emissions from the facility from causing or contributing to objectionable odors beyond the facility's boundary.
14. ZONING SPECIFIC CONDITION - In accordance with 15A NCAC 2Q .0304, prior to construction or operation of the facility under this permit, the Permittee shall comply with all lawfully adopted local ordinances that apply to the facility at the time of construction or operation of the facility. The local zoning authority shall have the responsibility of enforcing all lawfully adopted local zoning or subdivision ordinances.
15. LIMITATION TO AVOID 15A NCAC 2Q .0501 - Pursuant to 15A NCAC 2Q .0315 "Synthetic Minor Facilities," to avoid the applicability of 15A NCAC 2Q .0501 "Purpose of Section and Requirement for a Permit," as requested by the Permittee, facility-wide emissions shall be less than the following:

<b>Pollutant</b>	<b>Emission Limit (Tons per consecutive 12-month period)</b>
NO <sub>x</sub>	100
VOC	100
CO	100
Individual HAPs	10

- a. Operations Restrictions - To ensure emissions do not exceed the limitations above, the following restrictions shall apply:
- i. The six glycol heaters (ID Nos. ES1, ES2, ES3, ES10, ES11, and ES12) may combust a combined total of no more than 280 million standard cubic feet of natural gas per year.
  - ii. The two regeneration gas heaters (ID Nos. ES4 and ES13) may combust a combined total of no more than 244 million standard cubic feet of fuel gas per year.
  - iii. The two flares (ID Nos. CD5 and CD14) may combust a combined total of no more than 290 million standard cubic feet of gas per year.
- b. Inspection and Maintenance Requirements -
- i. Flare Requirements - Emissions shall be controlled as described in the permitted equipment list. To comply with the provisions of this permit and ensure that emissions do not exceed the regulatory limits, the Permittee shall perform, at a minimum, an annual (for each 12-month period following the initial inspection) internal inspection of each flare. In addition, the Permittee shall perform periodic inspections and maintenance as recommended by the equipment manufacturer.
- c. Recordkeeping Requirements
- i. The Permittee shall record monthly and total annually the following:
    - A. The amount of gas combusted in the glycol heaters and regeneration gas heaters.
    - B. The amount of gas combusted by the flares.
    - C. The facility-wide NO<sub>x</sub>, CO, VOC, and hexane emissions.
  - ii. A log book (in written or electronic format) shall be kept on site for each control device and made available to Division of Air Quality personnel upon request. The Permittee shall record all inspection, maintenance and monitoring requirements listed above in the log book. Any variance from the manufacturer's recommendations shall be investigated with corrections made and date of actions recorded in the log book.

d. Reporting Requirements - Within 30 days after each calendar year, regardless of the actual emissions, the Permittee shall submit the following:

i. emissions and/or operational data listed below. The data should include monthly and 12 month totals for the previous 12 month period.

A. The facility-wide NOx, CO, VOC, and hexane emissions.

B. The total amount and type of gas combusted, by source.

16. LIMITATION TO AVOID 15A NCAC 2D .0530 "PREVENTION OF SIGNIFICANT DETERIORATION" - In accordance with 15A NCAC 2Q .0317, to comply with this permit and avoid the applicability of 15A NCAC 2D .0530 "Prevention of Significant Deterioration," as requested by the Permittee, emissions shall be limited as follows:

Affected Source(s)	Pollutant	Emission Limit (Tons Per Consecutive 12-month Period)
Facility Wide	NOx	100
Facility Wide	CO	100
Facility Wide	VOC	100

17. TOXIC AIR POLLUTANT EMISSIONS LIMITATION REQUIREMENT - Pursuant to 15A NCAC 2Q .0711 "Emission Rates Requiring a Permit," for each of the below listed toxic air pollutants (TAPs), the Permittee has made a demonstration that facility-wide actual emissions, where all emission release points are unobstructed and vertically oriented, do not exceed the Toxic Permit Emission Rates (TPERs) listed in 15A NCAC 2Q .0711(b). The facility shall be operated and maintained in such a manner that emissions of any listed TAPs from the facility, including fugitive emissions, will not exceed TPERs listed in 15A NCAC 2Q .0711(b).

- a. A permit to emit any of the below listed TAPs shall be required for this facility if actual emissions from all sources will become greater than the corresponding TPERs.
- b. PRIOR to exceeding any of these listed TPERs, the Permittee shall be responsible for obtaining a permit to emit TAPs and for demonstrating compliance with the requirements of 15A NCAC 2D .1100 "Control of Toxic Air Pollutants".
- c. In accordance with the approved application, the Permittee shall maintain records of operational information demonstrating that the TAP emissions do not exceed the TPERs as listed below:

Pollutant	Carcinogens (lb/yr)	Chronic Toxicants (lb/day)	Acute Systemic Toxicants (lb/hr)	Acute Irritants (lb/hr)
Acetaldehyde (75-07-0)				28.43
Ammonia (as NH3) (7664-41-7)				2.84
Arsenic & Compounds (total mass of elemental AS, arsine and all	0.194			



<b>Pollutant</b>	<b>Carcinogens (lb/yr)</b>	<b>Chronic Toxicants (lb/day)</b>	<b>Acute Systemic Toxicants (lb/hr)</b>	<b>Acute Irritants (lb/hr)</b>
inorganic compounds) (ASC (7778394))				
Benzo(a)pyrene (Component of 83329/POMTV & 56553/7PAH) (50-32-8)	3.044			
Beryllium Metal (unreacted) (Component of BEC) (7440-41-7)	0.378			
Butadiene, 1,3- (106-99-0)	40.585			
Cadmium Metal, elemental, unreacted (Component of CDC) (7440-43-9)	0.507			
Carbon tetrachloride (56-23-5)	618.006			
Chlorobenzene (108-90-7)		92.7		
Chloroform (67-66-3)	396.631			
Chromium (VI) Soluble Chromate Compounds (Component of CRC) (SolCR6)		0.026		
Ethylene dibromide (dibromoethane) (106-93-4)	36.896			
Manganese & compounds (MNC)		1.3		
Mercury, vapor (Component of HGC) (7439-97-6)		0.025		
Methylene chloride (75-09-2)	2213.752		1.79	
Nickel metal (Component of NIC) (7440-02-0)		0.3		
Phenol (108-95-2)			1.00	
Styrene (100-42-5)			11.16	
Tetrachloroethane, 1,1,2,2- (79- 34-5)	581.110			
Toluene (108-88-3)		197.96		58.97
Vinyl chloride (75-01-4)	35.051			
Xylene (mixed isomers) (1330-20- 7)		113.7		68.44

## B. GENERAL CONDITIONS AND LIMITATIONS

1. In accordance with G.S. 143-215.108(c)(1), TWO COPIES OF ALL DOCUMENTS, REPORTS, TEST DATA, MONITORING DATA, NOTIFICATIONS, REQUESTS FOR RENEWAL, AND ANY OTHER INFORMATION REQUIRED BY THIS PERMIT shall be submitted to the:

Regional Supervisor  
North Carolina Division of Air Quality  
Raleigh Regional Office  
3800 Barrett Drive  
Raleigh, NC 27609  
919-791-4200

For identification purposes, each submittal should include the facility name as listed on the permit, the facility identification number, and the permit number.

2. RECORDS RETENTION REQUIREMENT - In accordance with 15A NCAC 2D .0605, any records required by the conditions of this permit shall be kept on site and made available to DAQ personnel for inspection upon request. These records shall be maintained in a form suitable and readily available for expeditious inspection and review. These records must be kept on site for a minimum of 2 years, unless another time period is otherwise specified.
3. ANNUAL FEE PAYMENT - Pursuant to 15A NCAC 2Q .0203(a), the Permittee shall pay the annual permit fee within 30 days of being billed by the DAQ. Failure to pay the fee in a timely manner will cause the DAQ to initiate action to revoke the permit.
4. EQUIPMENT RELOCATION - In accordance with 15A NCAC 2Q .0301, a new air permit shall be obtained by the Permittee prior to establishing, building, erecting, using, or operating the emission sources or air cleaning equipment at a site or location not specified in this permit.
5. REPORTING REQUIREMENT - In accordance with 15A NCAC 2Q .0309, any of the following that would result in previously unpermitted, new, or increased emissions must be reported to the Regional Supervisor, DAQ:
  - a. changes in the information submitted in the application regarding facility emissions;
  - b. changes that modify equipment or processes of existing permitted facilities; or
  - c. changes in the quantity or quality of materials processed.

If appropriate, modifications to the permit may then be made by the DAQ to reflect any necessary changes in the permit conditions. In no case are any new or increased emissions allowed that will cause a violation of the emission limitations specified herein.

6. In accordance with 15A NCAC 2Q .0309, this permit is subject to revocation or modification by the DAQ upon a determination that information contained in the application or presented in the support thereof is incorrect, conditions under which this permit was granted have changed, or violations of conditions contained in this permit have occurred. In

accordance with G.S. 143-215.108(c)(1), the facility shall be properly operated and maintained at all times in a manner that will effectuate an overall reduction in air pollution. Unless otherwise specified by this permit, no emission source may be operated without the concurrent operation of its associated air cleaning device(s) and appurtenances.

7. CHANGES NOT REQUIRING PERMIT REVISIONS - Pursuant to 15A NCAC 02Q .0318, changes to the facility that are not exempt pursuant to 15A NCAC 02Q .0102 may be allowed without first modifying an applicable air permit if the change(s) meet(s) the requirements of 15A NCAC 02Q .0318(b)(1) through (b)(5) and the owner or operator notifies the Director in writing, using forms provided by the Division, seven calendar days before the change is made. Within 10 business days of receipt of the notice, the Division shall notify the owner or operator of its determination of whether the change(s) meet(s) the requirements of 15A NCAC 02Q .0318(b)(1) through (b)(5).
8. In accordance with G.S. 143-215.108(c)(1), this permit is nontransferable by the Permittee. Future owners and operators must obtain a new air permit from the DAQ.
9. In accordance with G.S. 143-215.108(c)(1), this issuance of this permit in no way absolves the Permittee of liability for any potential civil penalties which may be assessed for violations of State law which have occurred prior to the effective date of this permit.
10. In accordance with G.S. 143-215.108(c)(1), this permit does not relieve the Permittee of the responsibility of complying with all applicable requirements of any Federal, State, or Local water quality or land quality control authority.
11. In accordance with 15A NCAC 2D .0605, reports on the operation and maintenance of the facility shall be submitted by the Permittee to the Regional Supervisor, DAQ at such intervals and in such form and detail as may be required by the DAQ. Information required in such reports may include, but is not limited to, process weight rates, firing rates, hours of operation, and preventive maintenance schedules.
12. A violation of any term or condition of this permit shall subject the Permittee to enforcement pursuant to G.S. 143-215.114A, 143-215.114B, and 143-215.114C, including assessment of civil and/or criminal penalties.
13. Pursuant to North Carolina General Statute 143-215.3(a)(2), no person shall refuse entry or access to any authorized representative of the DAQ who requests entry or access for purposes of inspection, and who presents appropriate credentials, nor shall any person obstruct, hamper, or interfere with any such representative while in the process of carrying out his official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.
14. In accordance with G.S. 143-215.108(c)(1), this permit does not relieve the Permittee of the responsibility of complying with any applicable Federal, State, or Local requirements governing the handling, disposal, or incineration of hazardous, solid, or medical wastes, including the Resource Conservation and Recovery Act (RCRA) administered by the Division of Waste Management.
15. PERMIT RETENTION REQUIREMENT - In accordance with 15A NCAC 2Q .0110, the Permittee shall retain a current copy of the air permit at the site. The Permittee must make

available to personnel of the DAQ, upon request, the current copy of the air permit for the site.

16. CLEAN AIR ACT SECTION 112(r) REQUIREMENTS - Pursuant to 15A NCAC 2D .2100 "Risk Management Program," if the Permittee is required to develop and register a risk management plan pursuant to Section 112(r) of the Federal Clean Air Act, then the Permittee is required to register this plan with the USEPA in accordance with 40 CFR Part 68.
17. GENERAL EMISSIONS TESTING AND REPORTING REQUIREMENTS - If emissions testing is required by this permit, or the DAQ, or if the Permittee submits emissions testing to the DAQ in support of a permit application or to demonstrate compliance, the Permittee shall perform such testing in accordance with 15A NCAC 2D .2600 and follow all DAQ procedures including protocol approval, regional notification, report submittal, and test results approval. Additionally, in accordance with 15A NCAC 2D .0605, the Permittee shall follow the procedures for obtaining any required audit sample and reporting those results.

Permit issued this the XX<sup>th</sup> of Month, 2024.

NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COMMISSION

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Dawn L. Reddix  
Regional Supervisor  
By Authority of the Environmental Management Commission

Air Permit No. 10805R00

**Insignificant / Exempt Activities**

<b>Source</b>	<b>Exemption Regulation</b>	<b>Source of TAPs?</b>	<b>Source of Title V Pollutants?</b>
IES1 – Diesel storage tank (550 gallon maximum capacity)	2Q .0102 (g)(4)	Yes	Yes
IES2 – Liquid natural gas storage tank (25 million gallons maximum capacity)	2Q .0102 (g)(4)	Yes	Yes
IES3 – Liquid natural gas storage tank (25 million gallons maximum capacity)	2Q .0102 (g)(4)	Yes	Yes

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1. Because an activity is exempted from being required to have a permit or permit modification does not mean that the activity is exempted from an applicable requirement or that the owner or operator of the source is exempted from demonstrating compliance with any applicable requirement.
  2. When applicable, emissions from stationary source activities identified above shall be included in determining compliance with the permit requirements for toxic air pollutants under 15A NCAC 2D .1100 "Control of Toxic Air Pollutants" or 2Q .0711 "Emission Rates Requiring a Permit."