PUBLIC NOTICE

Tennessee Gas Pipeline Company LLC - Compressor Station 79 has applied to the Tennessee Department of Environment and Conservation, Division of Air Pollution Control for renewal of their major source (Title V) operating permit subject to the provisions of Tennessee Air Pollution Control Regulations 1200-03-09-.02(11) (Title V Regulations). A major source operating permit is required by both the Federal Clean Air Act and Tennessee’s air pollution control regulations. However, it should be noted that this facility has a current major source operating permit. The applicant is Tennessee Gas Pipeline Company LLC - Compressor Station 79 with a site address of 434 Tennessee Gas Drive, Lobelville, TN 37097. They have applied for renewal of their existing major source (Title V) operating permit for their natural gas pipeline compressor station operation.

EPA has agreed to treat this draft Part 70 permit as a proposed Part 70 permit and to perform its 45-day review provided by the law concurrently with the public notice period. If any substantive comments are received, EPA’s 45-day review period will cease to be performed concurrently with the public notice period. In this case, EPA’s 45-day review period will start once the public notice period has been completed and EPA receives notification from the Tennessee Air Pollution Control Division that comments have been received and resolved. The status regarding EPA’s 45-day review of these permits and the deadline for submitting a citizen’s petition can be found at the following website address:

https://www.epa.gov/caa-permitting/tennessee-proposed-title-v-permits

Copies of the application materials and draft permits are available for public inspection during normal business hours at the following locations:

- Tennessee Department of Environment and Conservation
  Division of Air Pollution Control
  Columbia Environmental Field Office
  1421 Hampshire Pike
  Columbia, TN 38401

- Tennessee Department of Environment and Conservation
  Division of Air Pollution Control
  William R. Snodgrass Tennessee Tower
  312 Rosa L. Parks Avenue, 15th Floor
  Nashville, TN 37243

Electronic copies of the application and the draft permit are available by accessing the TDEC internet site located at:


Questions concerning the source(s) may be addressed to Hernan Flores at (615) 532-0593 or by e-mail at Hernan.Flores@tn.gov.

Interested parties are invited to review these materials and comment. In addition, a public hearing may be requested at which written or oral presentations may be made. To be considered, written comments or requests for a public hearing must be received no later than 4:30 PM on January 16, 2021. To assure that written comments are received and addressed in a timely manner, written comments must be submitted using one of the following methods:

1. **Mail, private carrier, or hand delivery:** Address written comments to Ms. Michelle W. Owenby, Director, Division of Air Pollution Control, William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue 15th Floor, Nashville, Tennessee 37243.

2. **E-mail:** Submit electronic comments to air.pollution.control@tn.gov.

A final determination will be made after weighing all relevant comments.

Individuals with disabilities who wish to review information maintained at the above-mentioned depositories should contact the Tennessee Department of Environment and Conservation to discuss any auxiliary aids or services needed to facilitate such review. Such contact may be in person, by writing, telephone, or other means, and should be made no less than ten days prior to the end of the public comment period to allow time to provide such aid or services. Contact the Tennessee Department of Environment and Conservation ADA Coordinator, William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue 22nd Floor, Nashville, TN 37243, 1-(866)-253-5827. Hearing impaired callers may use the Tennessee Relay Service, 1-(800)-848-0298.

Air Pollution Control

Assigned to –Hernan Flores

DATE: December 17, 2021
OPERATING PERMIT (TITLE V) Issued Pursuant to Tennessee Air Quality Act

This permit fulfills the requirements of Title V of the Federal Clean Air Act (42 U.S.C. 7661a-7661e) and the federal regulations promulgated thereunder at 40 CFR Part 70. (FR Vol. 57, No. 140, Tuesday, July 21, 1992 p.32295-32312). This permit is issued in accordance with the provisions of paragraph 1200-03-09-02(11) of the Tennessee Air Pollution Control Regulations (TAPCR). The permittee has been granted permission to operate an air contaminant source in accordance with emissions limitations and monitoring requirements set forth herein.

<table>
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<tr>
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<th>Permit Number:</th>
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<td>Renewal Application Update dated June 15, 2021</td>
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(continued on the next page)

No Authority is Granted by this Permit to Operate, Construct, or Maintain any Installation in Violation of any Law, Statute, Code, Ordinance, Rule, or Regulation of the State of Tennessee or any of its Political Subdivisions.

POST AT INSTALLATION ADDRESS

7/11/19

RDA-1298
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SECTION A

GENERAL PERMIT CONDITIONS

A permit issued under the provisions of paragraph 1200-03-09-.02(11) is a permit issued pursuant to the requirements of Title V of the Federal Act and its implementing Federal regulations promulgated at 40 CFR, Part 70.

A1. **Definitions.** Terms not otherwise defined in the permit shall have the meaning assigned to such terms in the referenced regulation.

TAPCR 1200-03

A2. **Compliance requirement.** All terms and conditions in a permit issued pursuant to paragraph 1200-03-09-.02(11) including any provisions designed to limit a source's potential to emit, are enforceable by the Administrator and citizens under the Federal Act.

The permittee shall comply with all conditions of its permit. Except for requirements specifically designated herein as not being federally enforceable (State Only), non-compliance with the permit requirements is a violation of the Federal Act and the Tennessee Air Quality Act and is grounds for enforcement action; for a permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. Non-compliance with permit conditions specifically designated herein as not being federally enforceable (State Only) is a violation of the Tennessee Air Quality Act and may be grounds for these actions.

TAPCR 1200-03-09-.02(11)(e)2(i) and 1200-03-09-.02(11)(e)1(vi)(I)

A3. **Need to halt or reduce activity.** The need to halt or reduce activity is not a defense for noncompliance. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. However, nothing in this item shall be construed as precluding consideration of a need to halt or reduce activity as a mitigating factor in assessing penalties for noncompliance if the health, safety or environmental impacts of halting or reducing operations would be more serious than the impacts of continuing operations.

TAPCR 1200-03-09-.02(11)(e)1(vi)(II)

A4. **The permit.** The permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

TAPCR 1200-03-09-.02(11)(e)1(vi)(III)

A5. **Property rights.** The permit does not convey any property rights of any sort, or any exclusive privilege.

TAPCR 1200-03-09-.02(11)(e)1(vi)(IV)

A6. **Submittal of requested information.** The permittee shall furnish to the Technical Secretary, within a reasonable time, any information that the Technical Secretary may request in writing to determine whether cause exists for modifying, revoking and reissuing, or termination of the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Technical Secretary copies of records required to be kept by the permit. If the permittee claims that such information is confidential, the Technical Secretary may review that claim and hold the information in protected status until such time that the Board can hear any contested proceedings regarding confidentiality disputes. If the information is desired by EPA, the permittee may mail the information directly to EPA. Any claims of confidentiality for federal purposes will be determined by EPA.

TAPCR 1200-03-09-.02(11)(e)1(vi)(V)
TAPCR 1200-03-09.02(11)(e)1(v)

A7. **Severability clause.** The requirements of this permit are severable. A dispute regarding one or more requirements of this permit does not invalidate or otherwise excuse the permittee from their duty to comply with the remaining portion of the permit.

TAPCR 1200-03-09.02(11)(e)1(v)

A8. **Fee payment.**

(a) The permittee shall pay an annual Title V emission fee based upon the responsible official's choice of actual emissions, allowable emissions, or a combination of actual and allowable emissions; and on the responsible official’s choice of annual accounting period. An emission cap of 4,000 tons per year per regulated pollutant per major source SIC Code shall apply to actual or allowable based emission fees. A Title V annual emission fee will not be charged for emissions in excess of the cap. Title V annual emission fees will not be charged for carbon monoxide or for greenhouse gas pollutants solely because they are greenhouse gases.

(b) Title V sources shall pay allowable based emission fees until the beginning of the next annual accounting period following receipt of their initial Title V operating permit. At that time, the permittee shall begin paying their Title V fee based upon their choice of actual or allowable based fees, or mixed actual and allowable based fees. Once permitted, the Responsible Official may revise their existing fee choice by submitting a written request to the Division no later than December 31 of the annual accounting period for which the fee is due.

(c) When paying annual Title V emission fees, the permittee shall comply with all provisions of 1200-03-26-.02 and 1200-03-09-.02(11) applicable to such fees.

(d) Where more than one (1) allowable emission limit is applicable to a regulated pollutant, the allowable emissions for the regulated pollutants shall not be double counted. Major sources subject to the provisions of paragraph 1200-03-26-.02(9) shall apportion their emissions as follows to ensure that their fees are not double counted.

1. Sources that are subject to federally promulgated hazardous air pollutant under 40 CFR 60, 61, or 63 will place such regulated emissions in the regulated hazardous air pollutant (HAP) category.

2. A category of miscellaneous HAPs shall be used for hazardous air pollutants listed at part 1200-03-26-.02(2)(i)12 that are not subject to federally promulgated hazardous air pollutant standards under 40 CFR 60, 61, or 63.

3. HAPs that are also in the family of volatile organic compounds, particulate matter, or PM_{10} shall not be placed in either the regulated HAP category or miscellaneous HAP category.

4. Sources that are subject to a provision of chapter 1200-03-16 New Source Performance Standards (NSPS) or chapter 0400-30-39 Standards of Performance for New Stationary Sources for pollutants that are neither particulate matter, PM_{10}, sulfur dioxide (SO_{2}), volatile organic compounds (VOC), nitrogen oxides (NO_{x}), or hazardous air pollutants (HAPs) will place such regulated emissions in an NSPS pollutant category.

5. The regulated HAP category, the miscellaneous HAP category, and the NSPS pollutant category are each subject to the 4,000 ton cap provisions of subparagraph 1200-03-26-.02(2)(i).

6. Major sources that wish to pay annual emission fees for PM_{10} on an allowable emission basis may do so if they have a specific PM_{10} allowable emission standard. If a major source has a total particulate emission standard, but wishes to pay annual emission fees on an actual PM_{10} emission basis, it may do so if the PM_{10} actual emission levels are proven to the satisfaction of the Technical Secretary. The method to demonstrate the actual PM_{10} emission levels must be made as part of the source’s major source operating permit in advance in order to exercise this option. The PM_{10} emissions reported under these options shall not be subject to fees under the family of particulate emissions. The 4,000 ton cap provisions of subparagraph 1200-03-26-.02(2)(i) shall also apply to PM_{10} emissions.

TAPCR 1200-03-26-.02 and 1200-03-09-.02(11)(e)1(vii)

A9. **Permit revision not required.** A permit revision will not be required under any approved economic incentives, marketable permits, emissions trading and other similar programs or process for changes that are provided for in the permit.

TAPCR 1200-03-09-.02(11)(e)1(viii)

A10. **Inspection and entry.** Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Technical Secretary or an authorized representative to perform the following for the purposes of determining compliance with the permit applicable requirements:

(a) Enter upon, at reasonable times, the permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(c) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and

(d) As authorized by the Clean Air Act and Chapter 1200-03-10 of TAPCR, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Revised July 11, 2019
(e) “Reasonable times” shall be considered to be customary business hours unless reasonable cause exists to suspect 
noncompliance with the Act, Division 1200-03 or any permit issued pursuant thereto and the Technical Secretary specifically 
authorizes an inspector to inspect a facility at any other time.

TAPCR 1200-03-09-.02(11)(e)3.(ii)

A11. Permit shield.
(a) Compliance with the conditions of this permit shall be deemed compliance with all applicable requirements as of the 
date of permit issuance, provided that:
1. Such applicable requirements are included and are specifically identified in the permit; or
2. The Technical Secretary, in acting on the permit application or revision, determines in writing that other 
requirements specifically identified are not applicable to the source, and the permit includes the determination or a 
concise summary thereof.
(b) Nothing in this permit shall alter or affect the following:
1. The provisions of section 303 of the Federal Act (emergency orders), including the authority of the 
Administrator under that section. Similarly, the provisions of T.C.A. §68-201-109 (emergency orders) including the 
authority of the Governor under the section;
2. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at 
the time of permit issuance;
3. The applicable requirements of the acid rain program, consistent with section 408(a) of the Federal Act; or
4. The ability of EPA to obtain information from a source pursuant to section 114 of the Federal Act.
(c) Permit shield is granted to the permittee.

TAPCR 1200-03-09-.02(11)(e)6

A12. Permit renewal and expiration.
(a) An application for permit renewal must be submitted at least 180 days, but no more than 270 days prior to the 
expiration of this permit. Permit expiration terminates the source's right to operate unless a timely and complete renewal 
application has been submitted.
(b) If the permittee submits a timely and complete application for permit renewal the source will not be considered to be 
operating without a permit until the Technical Secretary takes final action on the permit application, except as otherwise noted 
in paragraph 1200-03-09-.02(11).
(c) This permit, its shield provided in Condition A11, and its conditions will be extended and effective after its expiration 
date provided that the source has submitted a timely, complete renewal application to the Technical Secretary.

TAPCR 1200-03-09-.02(11)(f)2 and 3, 1200-03-09-.02(11)(d)1(i)(III), and 1200-03-09-.02(11)(a)2

A13. Reopening for cause.
(a) A permit shall be reopened and revised prior to the expiration of the permit under any of the circumstances listed 
below:
1. Additional applicable requirements under the Federal Act become applicable to the sources contained in this 
permit provided the permit has a remaining term of 3 or more years. Such a reopening shall be completed not later 
than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date 
of the requirement is later than the permit expiration date of this permit, unless the original has been extended pursuant 
to 1200-03-09-.02(11)(a)2.
2. Additional requirements become applicable to an affected source under the acid rain program.
3. The Technical Secretary or EPA determines that the permit contains a material mistake or that inaccurate 
statements were made in establishing the emissions standards or other terms or conditions of the permit.
4. The Technical Secretary or EPA determines that the permit must be revised or revoked to assure compliance 
with the applicable requirements.
(b) Proceedings to reopen and issue a permit shall follow the same proceedings as apply to initial permit issuance and 
shall affect only those parts of the permit for which cause to reopen exists, and not the entire permit. Such reopening shall be 
made as expeditiously as practicable.
(c) Reopenings for cause shall not be initiated before a notice of such intent is provided to the permittee by the Technical 
Secretary at least 30 days in advance of the date that the permit is to be reopened except that the Technical Secretary may 
provide a shorter time period in the case of an emergency. An emergency shall be established by the criteria of T.C.A. 
68-201-109 or other compelling reasons that public welfare is being adversely affected by the operation of a source that is in 
compliance with its permit requirements.
(d) If the Administrator finds that cause exists to terminate, modify, or revoke and reissue a permit as identified in A13, he is required under federal rules to notify the Technical Secretary and the permittee of such findings in writing. Upon receipt of such notification, the Technical Secretary shall investigate the matter in order to determine if he agrees or disagrees with the Administrator's findings. If he agrees with the Administrator's findings, the Technical Secretary shall conduct the reopening in the following manner:

1. The Technical Secretary shall, within 90 days after receipt of such notification, forward to EPA a proposed determination of termination, modification, or revocation and reissuance, as appropriate. If the Administrator grants additional time to secure permit applications or additional information from the permittee, the Technical Secretary shall have the additional time period added to the standard 90 day time period.

2. EPA will evaluate the Technical Secretary's proposed revisions and respond as to their evaluation.

3. If EPA agrees with the proposed revisions, the Technical Secretary shall proceed with the reopening in the same manner prescribed under Condition A13 (b) and Condition A13 (c).

4. If the Technical Secretary disagrees with either the findings or the Administrator that a permit should be reopened or an objection of the Administrator to a proposed revision to a permit submitted pursuant to Condition A13(d), he shall bring the matter to the Board at its next regularly scheduled meeting for instructions as to how he should proceed. The permittee shall be required to file a written brief expressing their position relative to the Administrator's objection and have a responsible official present at the meeting to answer questions for the Board. If the Board agrees that EPA is wrong in their demand for a permit revision, they shall instruct the Technical Secretary to conform to EPA's demand, but to issue the permit under protest preserving all rights available for litigation against EPA.

TAPCR. 1200-03-09-.02(11)(f)6 and 7

A14. Permit transference. An administrative permit amendment allows for a change of ownership or operational control of a source where the Technical Secretary determines that no other change in the permit is necessary, provided that the following requirements are met:

(a) Transfer of ownership permit application is filed consistent with the provisions of 1200-03-09-.03(6), and

(b) written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new permittee has been submitted to the Technical Secretary.

TAPCR 1200-03-09-.02(11)(f)4(i)(IV) and 1200-03-09-.03(6)

A15. Air pollution alert. When the Technical Secretary has declared that an air pollution alert, an air pollution warning, or an air pollution emergency exists, the permittee must follow the requirements for that episode level as outlined in TAPCR 1200-03-09-.03(1) and TAPCR 1200-03-15-.03.

A16. Construction permit required. Except as exempted in TAPCR 1200-03-09-.04, or excluded in subparagraph TAPCR 1200-03-02-.01(1)(aa) or subparagraph TAPCR 1200-03-02-.01(1)(cc), this facility shall not begin the construction of a new air contaminant source or the modification of an air contaminant source which may result in the discharge of air contaminants without first having applied for and received from the Technical Secretary a construction permit for the construction or modification of such air contaminant source.

TAPCR 1200-03-09-.01(1)(a)

A17. Notification of changes. The permittee shall notify the Technical Secretary 30 days prior to commencement of any of the following changes to an air contaminant source which would not be a modification requiring a construction permit.

(a) change in air pollution control equipment

(b) change in stack height or diameter

(c) change in exit velocity of more than 25 percent or exit temperature of more than 15 percent based on absolute temperature.

TAPCR 1200-03-09-.02(7)

A18. Schedule of compliance. The permittee will comply with any applicable requirement that becomes effective during the permit term on a timely basis. If the permittee is not in compliance the permittee must submit a schedule for coming into compliance which must include a schedule of remedial measure(s), including an enforceable set of deadlines for specific actions.

TAPCR 1200-03-09-.02(11)(d)3 and 40 CFR Part 70.5(c)
A19. **Title VI.**

(a) The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR, Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B:

1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to Section 82.156.
2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to Section 82.158.
3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to Section 82.161.

(b) If the permittee performs a service on motor (fleet) vehicles when this service involves ozone depleting substance refrigerant in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR, Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

(c) The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR, Part 82, Subpart G, Significant New Alternatives Policy Program.

A20. **112(r).** Sources which are subject to the provisions of Section 112(r) of the federal Clean Air Act or any federal regulations promulgated thereunder, shall annually certify in writing to the Technical Secretary that they are properly following their accidental release plan. The annual certification is due in the office of the Technical Secretary no later than January 31 of each year. Said certification will be for the preceding calendar year.

TAPCR 1200-03-32-.03(3)
SECTION B
GENERAL CONDITIONS for MONITORING, REPORTING, and ENFORCEMENT

B1. Recordkeeping. Monitoring and related record keeping shall be performed in accordance with the requirements specified in the permit conditions for each individual permit unit. In no case shall reports of any required monitoring and record keeping be submitted less frequently than every six months.

(a) Where applicable, records of required monitoring information include the following:
   1. The date, place as defined in the permit, and time of sampling or measurements;
   2. The date(s) analyses were performed;
   3. The company or entity that performed the analysis;
   4. The analytical techniques or methods used;
   5. The results of such analyses; and
   6. The operating conditions as existing at the time of sampling or measurement.

(b) Digital data accumulation which utilizes valid data compression techniques shall be acceptable for compliance determination as long as such compression does not violate an applicable requirement and its use has been approved in advance by the Technical Secretary.

TAPCR 1200-03-09-.02(11)(e)1(iii)

B2. Retention of monitoring data. The permittee shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

TAPCR 1200-03-09-.02(11)(e)1(iii)(II)

B3. Reporting. Reports of any required monitoring and record keeping shall be submitted to the Technical Secretary in accordance with the frequencies specified in the permit conditions for each individual permit unit. Reports shall be submitted within 60 days of the close of the reporting period unless otherwise noted. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official. Reports required under "State only requirements" are not required to be certified by a responsible official.

TAPCR 1200-03-09-.02(11)(e)1(iii)

B4. Certification. Except for reports required under “State Only” requirements, any application form, report or compliance certification submitted pursuant to the requirements of this permit shall contain certification by a responsible official of truth, accuracy and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

TAPCR 1200-03-09-.02(11)(d)4

B5. Annual compliance certification. The permittee shall submit annually compliance certifications with terms and conditions contained in Sections A, B, D and E of this permit, including emission limitations, standards, or work practices. This compliance certification shall include all of the following (provided that the identification of applicable information may cross-reference the permit or previous reports, as applicable):

(a) The identification of each term or condition of the permit that is the basis of the certification;

(b) The identification of the method(s) or other means used by the owner or operator for determining the compliance status with each term and condition during the certification period; such methods and other means shall include, at a minimum, the methods and means required by this permit. If necessary, the owner or operator also shall identify any other material information that must be included in the certification to comply with section 113(c)(2) of the Federal Act, which prohibits knowingly making a false certification or omitting material information;

(c) The status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certification shall be based on the method or means designated in B5(b) above. The certification shall identify each deviation and take it into account in the compliance certification. The certification shall also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion* or exceedance** as defined below occurred; and
(d) Such other facts as the Technical Secretary may require to determine the compliance status of the source.

* “Excursion” shall mean a departure from an indicator range established for monitoring under this paragraph, consistent with any averaging period specified for averaging the results of the monitoring.
** “Exceedance” shall mean a condition that is detected by monitoring that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) are greater than the applicable emission limitation or standard (or less than the applicable standard in the case of a percent reduction requirement) consistent with any averaging period specified for averaging the results of the monitoring.

40 CFR Part 70.6(c)(5)(iii) as amended in the Federal Register Vol. 79, No.144, July 28, 2014, pages 43661 through 43667

B6. Submission of compliance certification. The compliance certification shall be submitted to:

| The Tennessee Department of Environmental and Conservation Environmental Field Office specified in Section E of this permit | and | Air Enforcement Branch US EPA Region IV 61 Forsyth Street, SW Atlanta, Georgia 30303 |

TAPCR 1200-03-09-.02(11)(e)3(v)(IV)

B7. Emergency provisions. An emergency constitutes an affirmative defense to an enforcement action brought against this source for noncompliance with a technology based emission limitation due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

(a) The affirmative defense of the emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

1. An emergency occurred and that the permittee can identify the probable cause(s) of the emergency. "Probable" must be supported by a credible investigation into the incident that seeks to identify the causes and results in an explanation supported by generally accepted engineering or scientific principles.
2. The permitted source was at the time being properly operated. In determining whether or not a source was being properly operated, the Technical Secretary shall examine the source's written standard operating procedures which were in effect at the time of the noncompliance and any other code as detailed below that would be relevant to preventing the noncompliance. Adherence to the source's standard operating procedures will be the test of adequate preventative maintenance, careless operation, improper operation or operator error to the extent that such adherence would prevent noncompliance. The source's failure to follow recognized standards of practice to the extent that adherence to such a standard would have prevented noncompliance will disqualify the source from any claim of an emergency and an affirmative defense.
3. During the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.
4. The permittee submitted notice of the emergency to the Technical Secretary according to the notification criteria for malfunctions in rule 1200-03-20-.03. For the purposes of this condition, "emergency" shall be substituted for "malfunction(s)" in rule 1200-03-20-.03 to determine the relevant notification threshold. The notice shall include a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding the permittee seeking to establish the occurrence of an emergency has the burden of proof.

(c) The provisions of this condition are in addition to any emergency, malfunction or upset requirement contained in Division 1200-03 or other applicable requirement.

B8. Excess emissions reporting.

(a) The permittee shall promptly notify the Technical Secretary when any emission source, air pollution control equipment, or related facility breaks down in such a manner to cause the emission of air contaminants in excess of the applicable emission standards contained in Division 1200-03 or any permit issued thereto, or of sufficient duration to cause damage to property or public health. The permittee must provide the Technical Secretary with a statement giving all pertinent facts, including the estimated duration of the breakdown. Violations of the visible emission standard which occur for less than 20 minutes in one day (midnight to midnight) need not be reported. Prompt notification will be within 24 hours of the malfunction and shall be provided by telephone to the Division's Nashville office. The Technical Secretary shall be notified when the condition causing the failure or breakdown has been corrected. In attainment and unclassified areas if emissions other than
from sources designated as significantly impacting on a nonattainment area in excess of the standards will not and do not occur over more than a 24-hour period (or will not recur over more than a 24-hour period) and no damage to property and or public health is anticipated, notification is not required.

(b) Any malfunction that creates an imminent hazard to health must be reported by telephone immediately to the Division's Nashville office at (615) 532-0554 and to the State Civil Defense.

(c) A log of all malfunctions, startups, and shutdowns resulting in emissions in excess of the standards in Division 1200-03 or any permit issued thereto must be kept at the plant. All information shall be entered in the log no later than twenty-four (24) hours after the startup or shutdown is complete, or the malfunction has ceased or has been corrected. Any later discovered corrections can be added in the log as footnotes with the reason given for the change. This log must record at least the following:

1. Stack or emission point involved
2. Time malfunction, startup, or shutdown began and/or when first noticed
3. Type of malfunction and/or reason for shutdown
4. Time startup or shutdown was complete or time the air contaminant source returned to normal operation
5. The company employee making entry on the log must sign, date, and indicate the time of each log entry

The information under items 1. and 2. must be entered into the log by the end of the shift during which the malfunction or startup began. For any source utilizing continuous emission(s) monitoring, continuous emission(s) monitoring collection satisfies the above log keeping requirement.

TAPCR 1200-03-20-.03 and .04

B9. Malfunctions, startups and shutdowns - reasonable measures required. The permittee must take all reasonable measures to keep emissions to a minimum during startups, shutdowns, and malfunctions. These measures may include installation and use of alternate control systems, changes in operating methods or procedures, cessation of operation until the process equipment and/or air pollution control equipment is repaired, maintaining sufficient spare parts, use of overtime labor, use of outside consultants and contractors, and other appropriate means. Failures that are caused by poor maintenance, careless operation or any other preventable upset condition or preventable equipment breakdown shall not be considered malfunctions.

This provision does not apply to standards found in 40 CFR, Parts 60(Standards of performance for new stationary sources), 61(National emission standards for hazardous air pollutants) and 63(National emission standards for hazardous air pollutants for source categories).

TAPCR 1200-03-20-.02

B10. Reserved.

B11. Report required upon the issuance of a notice of violation for excess emissions. The permittee must submit within twenty (20) days after receipt of the notice of violation, the data required below. If this data has previously been available to the Technical Secretary prior to the issuance of the notice of violation no further action is required of the violating source. However, if the source desires to submit additional information, then this must be submitted within the same twenty (20) day time period. The minimum data requirements are:

(a) The identity of the stack and/or other emission point where the excess emission(s) occurred;
(b) The magnitude of the excess emissions expressed in pounds per hour and the units of the applicable emission limitation and the operating data and calculations used in determining the magnitude of the excess emissions;
(c) The time and duration of the emissions;
(d) The nature and cause of such emissions;
(e) For malfunctions, the steps taken to correct the situation and the action taken or planned to prevent the recurrence of such malfunctions;
(f) The steps taken to limit the excess emissions during the occurrence reported, and
(g) If applicable, documentation that the air pollution control equipment, process equipment, or processes were at all times maintained and operated in a manner consistent with good operating practices for minimizing emissions.

Failure to submit the required report within the twenty (20) day period specified shall preclude the admissibility of the data for determination of potential enforcement action.

TAPCR 1200-03-20-.06(2), (3) and (4)

SECTION C

PERMIT CHANGES
C1. **Operational flexibility changes.** The source may make operational flexibility changes that are not addressed or prohibited by the permit without a permit revision subject to the following requirements:
(a) The change cannot be subject to a requirement of Title IV of the Federal Act or Chapter 1200-03-30.
(b) The change cannot be a modification under any provision of Title I of the federal Act or Division 1200-03.
(c) Each change shall meet all applicable requirements and shall not violate any existing permit term or condition.
(d) The source must provide contemporaneous written notice to the Technical Secretary and EPA of each such change, except for changes that are below the threshold of levels that are specified in Rule 1200-03-09-04.
(e) Each change shall be described in the notice including the date, any change in emissions, pollutants emitted, and any applicable requirements that would apply as a result of the change.
(f) The change shall not qualify for a permit shield under the provisions of part 1200-03-09-.02(11)(e)6.
(g) The permittee shall keep a record describing the changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes. The records shall be retained until the changes are incorporated into subsequently issued permits.

TAPCR 1200-03-09-.02(11)(a)4 (ii)

C2. **Section 502(b)(10) changes.**
(a) The permittee can make certain changes without requiring a permit revision, if the changes are not modifications under Title I of the Federal Act or Division 1200-03 and the changes do not exceed the emissions allowable under the permit. The permittee must, however, provide the Administrator and Technical Secretary with written notification within a minimum of 7 days in advance of the proposed changes. The Technical Secretary may waive the 7 day advance notice in instances where the source demonstrates in writing that an emergency necessitates the change. Emergency shall be demonstrated by the criteria of TAPCR 1200-03-09-.02(11)(e)7 and in no way shall it include changes solely to take advantages of an unforeseen business opportunity. The Technical Secretary and EPA shall attach each such notice to their copy of the relevant permit.
(b) The written notification must be signed by a facility Title V responsible official and include the following:
   1. a brief description of the change within the permitted facility;
   2. the date on which the change will occur;
   3. a declaration and quantification of any change in emissions;
   4. a declaration of any permit term or condition that is no longer applicable as a result of the change; and
   5. a declaration that the requested change is not a Title I modification and will not exceed allowable emissions under the permit.
(c) The permit shield provisions of TAPCR 1200-03-09-.02(11)(e)6 shall not apply to Section 502(b)(10) changes.

TAPCR 1200-03-09-.02(11)(a)4 (i)

C3. **Administrative amendment.**
(a) Administrative permit amendments to this permit shall be in accordance with 1200-03-09-.02(11)(f)4. The source may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request.
(b) The permit shield shall be extended as part of an administrative permit amendment revision consistent with the provisions of TAPCR 1200-03-09-.02(11)(e)6 for such revisions made pursuant to item (c) of this condition which meet the relevant requirements of TAPCR 1200-03-09-.02(11)(e), TAPCR 1200-03-09-.02(11)(f) and TAPCR 1200-03-09-.02(11)(g) for significant permit modifications.
(c) Proceedings to review and grant administrative permit amendments shall be limited to only those parts of the permit for which cause to amend exists, and not the entire permit.

TAPCR 1200-03-09-.02(11)(f)4

C4. **Minor permit modifications.**
(a) The permittee may submit an application for a minor permit modification in accordance with TAPCR 1200-03-09-.02(11)(f)5(ii).
(b) The permittee may make the change proposed in its minor permit modification immediately after an application is filed with the Technical Secretary.
(c) Proceedings to review and modify permits shall be limited to only those parts of the permit for which cause to modify exists, and not the entire permit.
(d) Minor permit modifications do not qualify for a permit shield.

TAPCR 1200-03-09-.02(11)(f)5(ii)

C5. **Significant permit modifications.**
(a) The permittee may submit an application for a significant modification in accordance with TAPCR 1200-03-09-.02(11)(f)5(iv).
(b) Proceedings to review and modify permits shall be limited to only those parts of the permit for which cause to modify exists, and not the entire permit.

TAPCR 1200-03-09-.02(11)(f)5(iv)

C6. **New construction or modifications.**
Future construction at this facility that is subject to the provisions of TAPCR 1200-03-09-.01 shall be governed by the following:

(a) The permittee shall designate in their construction permit application the route that they desire to follow for the purposes of incorporating the newly constructed or modified sources into their existing operating permit. The Technical Secretary shall use that information to prepare the operating permit application submittal deadlines in their construction permit.
(b) Sources desiring the permit shield shall choose the administrative amendment route of TAPCR 1200-03-09-.02(11)(f)4 or the significant modification route of TAPCR 1200-03-09-.02(11)(f)5(iv).
(c) Sources desiring expediency instead of the permit shield shall choose the minor permit modification procedure route of TAPCR 1200-03-09-.02(11)(f)5(ii) or group processing of minor modifications under the provisions of TAPCR 1200-03-09-.02(11)(f)5(iii) as applicable to the magnitude of their construction.

TAPCR 1200-03-09-.02(11)(d) 1(i)(V)
SECTION D
GENERAL APPLICABLE REQUIREMENTS

D1. **Visible emissions.** With the exception of air emission sources exempt from the requirements of TAPCR Chapter 1200-03-05 and air emission sources for which a different opacity standard is specifically provided elsewhere in this permit, the permittee shall not cause, suffer, allow or permit discharge of a visible emission from any air contaminant source with an opacity in excess of twenty (20) percent for an aggregate of more than five (5) minutes in any one (1) hour or more than twenty (20) minutes in any twenty-four (24) hour period; provided, however, that for fuel burning installations with fuel burning equipment of input capacity greater than 600 million btu per hour, the permittee shall not cause, suffer, allow, or permit discharge of a visible emission from any fuel burning installation with an opacity in excess of twenty (20) percent (6-minute average) except for one six minute period per one (1) hour of not more than forty (40) percent opacity. Sources constructed or modified after July 7, 1992 shall utilize 6-minute averaging.

Consistent with the requirements of TAPCR Chapter 1200-03-20, due allowance may be made for visible emissions in excess of that permitted under TAPCR 1200-03-05 which are necessary or unavoidable due to routine startup and shutdown conditions. The facility shall maintain a continuous, current log of all excess visible emissions showing the time at which such conditions began and ended and that such record shall be available to the Technical Secretary or an authorized representative upon request.

TAPCR 1200-03-05-.01(1), TAPCR 1200-03-05-.03(6) and TAPCR 1200-03-05-.02(1)

D2. **General provisions and applicability for non-process gaseous emissions.** Any person constructing or otherwise establishing a non-portable air contaminant source emitting gaseous air contaminants after April 3, 1972, or relocating an air contaminant source more than 1.0 km from the previous position after November 6, 1988, shall install and utilize the best equipment and technology currently available for controlling such gaseous emissions.

TAPCR 1200-03-06-.03(2)

D3. **Non-process emission standards.** The permittee shall not cause, suffer, allow, or permit particulate emissions from non-process sources in excess of the standards in TAPCR 1200-03-06.

D4. **General provisions and applicability for process gaseous emissions.** Any person constructing or otherwise establishing an air contaminant source emitting gaseous air contaminants after April 3, 1972, or relocating an air contaminant source more than 1.0 km from the previous position after November 6, 1988, shall install and utilize equipment and technology which is deemed reasonable and proper by the Technical Secretary.

TAPCR 1200-03-07-.07(2)

D5. **Particulate emissions from process emission sources.** The permittee shall not cause, suffer, allow, or permit particulate emissions from process sources in excess of the standards in TAPCR 1200-03-07.

D6. **Sulfur dioxide emission standards.** The permittee shall not cause, suffer, allow, or permit Sulfur dioxide emissions from process and non-process sources in excess of the standards in TAPCR 1200-03-14. Regardless of the specific emission standard, new process sources shall utilize the best available control technology as deemed appropriate by the Technical Secretary of the Tennessee Air Pollution Control Board.

D7. **Fugitive Dust.**

(a) The permittee shall not cause, suffer, allow, or permit any materials to be handled, transported, or stored; or a building, its appurtenances, or a road to be used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions shall include, but not be limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in demolition of existing buildings or structures, construction operations, grading of roads, or the clearing of land;
2. Application of asphalt, water, or suitable chemicals on dirt roads, material stock piles, and other surfaces which can create airborne dusts;
3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty materials. Adequate containment methods shall be employed during sandblasting or other similar operations. 

(b) The permittee shall not cause, suffer, allow, or permit fugitive dust to be emitted in such manner to exceed five (5) minutes per hour or twenty (20) minutes per day as to produce a visible emission beyond the property line of the property on which the emission originates, excluding malfunction of equipment as provided in Chapter 1200-03-20.

TAPCR 1200-03-08

D8. Open burning. The permittee shall comply with the TAPCR 1200-03-04 for all open burning activities at the facility.

TAPCR 1200-03-04

D9. Asbestos. Where applicable, the permittee shall comply with the requirements of TAPCR 1200-03-11-.02(2)(d) when conducting any renovation or demolition activities at the facility.

TAPCR 1200-03-11-.02(2)(d) and 40 CFR, Part 61

D10. Annual certification of compliance. The generally applicable requirements set forth in Section D of this permit are intended to apply to activities and sources that are not subject to source-specific applicable requirements contained in State of Tennessee and U.S. EPA regulations. By annual certification of compliance, the permittee shall be considered to meet the monitoring and related record keeping and reporting requirements of TAPCR 1200-03-09-.02(11)(e)1.(iii) and 1200-03-10-.04(2)(b)1 and compliance requirements of TAPCR 1200-03-09-.02(11)(e)3.(i). The permittee shall submit compliance certification for these conditions annually.

D11. Emission Standards for Hazardous Air Pollutants. When applicable, the permittee shall comply with the TAPCR 0400-30-38 for all emission sources subject to a requirement contained therein.

TAPCR 0400-30-38

D12. Standards of Performance for New Stationary Sources. When applicable, the permittee shall comply with the TAPCR 0400-30-39 for all emission sources subject to a requirement contained therein.

TAPCR 0400-30-39

D13. Gasoline Dispensing Facilities. When applicable, the permittee shall comply with the TAPCR 1200-03-18-.24 for all emission sources subject to a requirement contained therein.


(a) All stationary reciprocating internal combustion engines, including engines deemed insignificant activities and insignificant emission units, shall comply with the applicable provisions of TAPCR 0400-30-38-.01.

(b) All stationary compression ignition internal combustion engines, including engines deemed insignificant activities and insignificant emission units, shall comply with the applicable provisions of TAPCR 0400-30-39-.01.

(c) All stationary spark ignition internal combustion engines, including engines deemed insignificant activities and insignificant emission units, shall comply with the applicable provisions of TAPCR 0400-30-39-.02.

TAPCR 0400-30-38 and 39
CONDITIONS E1 and E2 apply to all sources in Section E of this permit unless otherwise noted.

### E1. Fee payment

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<th>REGULATED POLLUTANTS</th>
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**CATEGORY OF MISCELLANEOUS HAZARDOUS AIR POLLUTANTS (HAPs WITHOUT A STANDARD)***

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**CATEGORY OF SPECIFIC HAZARDOUS AIR POLLUTANTS (HAPs WITH A STANDARD)**

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**CATEGORY OF NSPS POLLUTANTS NOT LISTED ABOVE***

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</table>

### NOTES

**AAP** The Annual Accounting Period (AAP) is a 12 consecutive month period that either (a) begins each July 1st and ends June 30th of the following year when fees are paid on a fiscal year basis, or (b) begins January 1st and ends December 31st of the same year when paying on a calendar year basis. The Annual Accounting Period at the time of permit renewal issuance began July 1, 2021 and ends June 30, 2022. The next Annual Accounting Period begins July 1, 2022 and ends June 30, 2023 unless a request to change the annual accounting period is submitted by the responsible official as required by subparagraph 1200-03-26-.02(9)(b) of the TAPCR and approved by the Technical Secretary. If the permittee wishes to revise their annual accounting period or their annual emission fee basis as allowed by subparagraph 1200-03-26-.02(9)(b) of the TAPCR, the responsible official must submit the request to the Division in writing on or before December 31 of the annual accounting period for which the fee is due. If a change in fee basis from allowable emissions to actual emissions for any pollutant is requested, the request from the responsible official must include the methods that will be used to determine actual emissions. Changes in fee bases must be made using the Title V Fee Selection form, form number APC 36 (CN-1583), included as an attachment to this permit and available on the Division of Air Pollution Control’s website.

**N/A** N/A indicates that no emissions are specified for fee computation.

**AEAR** If the permittee is paying annual emission fees on an actual emissions basis, AEAR indicates that an Actual Emissions Analysis is Required to determine the actual emissions of:

1. each regulated pollutant (Particulate matter, SO₂, VOC, NOₓ and so forth. See TAPCR 1200-03-26-.02(2)(i) for the definition of a regulated pollutant.),
(2) each pollutant group (VOC Family, Non-VOC Gaseous, and Particulate Family),
(3) the Miscellaneous HAP Category,
(4) the Specific HAP Category, and
(5) the NSPS Category

under consideration during the Annual Accounting Period.

* Category Of Miscellaneous HAP (HAP Without A Standard): This category is made-up of hazardous air pollutants that do not have a federal or state standard. Each HAP is classified into one of three groups, the VOC Family group, the Non-VOC Gaseous group, or the Particulate (PM) Family group. For fee computation, the Miscellaneous HAP Category is subject to the 4,000 ton cap provisions of subparagraph 1200-03-26-.02(2)(i) of the TAPCR.

** Category Of Specific HAP (HAP With A Standard): This category is made-up of hazardous air pollutants (HAP) that are subject to Federally promulgated Hazardous Air Pollutant Standards that can be imposed under Chapter 1200-03-11 or Chapter 1200-03-31. Each individual hazardous air pollutant is classified into one of three groups, the VOC Family group, the Non-VOC Gaseous group, or the Particulate (PM) Family group. For fee computation, each individual hazardous air pollutant of the Specific HAP Category is subject to the 4,000 ton cap provisions of subparagraph 1200-03-26-.02(2)(i) of the TAPCR.

*** Category Of NSPS Pollutants Not Listed Above: This category is made-up of each New Source Performance Standard (NSPS) pollutant whose emissions are not included in the PM, SO₂, VOC or NOₓ emissions from each source in this permit. For fee computation, each NSPS pollutant not listed above is subject to the 4,000 ton cap provisions of subparagraph 1200-03-26-.02(2)(i) of the TAPCR.

**END NOTES**

The permittee shall:

(1) Pay Title V annual emission fees, on the emissions and year bases requested by the responsible official and approved by the Technical Secretary, for each annual accounting period (AAP) by the payment deadline(s) established in TAPCR 1200-03-26-.02(9)(g). Fees may be paid on an actual, allowable, or mixed emissions basis; and on either a state fiscal year or a calendar year, provided the requirements of TAPCR 1200-03-26-.02(9)(b) are met. If any part of any fee imposed under TAPCR 1200-03-26-.02 is not paid within 15 days of the due date, penalties shall at once accrue as specified in TAPCR 1200-03-26-.02(8).

(2) Sources paying annual emissions fees on an allowable emissions basis: pay annual allowable based emission fees for each annual accounting period no later than April 1 of each year pursuant to TAPCR 1200-03-26-.02(9)(d).

(3) Sources paying annual emissions fees on an actual emissions basis: prepare an actual emissions analysis for each AAP and pay actual based emission fees pursuant to TAPCR 1200-03-26-.02(9)(d). The actual emissions analysis shall include:
   (a) the completed Fee Emissions Summary Table,
   (b) each actual emissions analysis required, and
   (c) the actual emission records for each pollutant and each source as required for actual emission fee determination, or a summary of the actual emission records required for fee determination, as specified by the Technical Secretary or the Technical Secretary’s representative. The summary must include sufficient information for the Technical Secretary to determine the accuracy of the calculations. These calculations must be based on the annual fee basis approved by the Technical Secretary (a state fiscal year [July 1 through June 30] or a calendar year [January 1 through December 31]). These records shall be used to complete the actual emissions analyses required by the above Fee Emissions Summary Table.

(4) Sources paying annual emissions fees on a mixed emissions basis: for all pollutants and all sources for which the permittee has chosen an actual emissions basis, prepare an actual emissions analysis for each AAP and pay actual based emission fees pursuant to TAPCR 1200-03-26-.02(9)(d). The actual emissions analysis shall include:
   (a) the completed Fee Emissions Summary Table,
   (b) each actual emissions analysis required, and
(c) the actual emission records for each pollutant and each source as required for actual emission fee determination, or a summary of the actual emission records required for fee determination, as specified by the Technical Secretary or the Technical Secretary’s representative. The summary must include sufficient information for the Technical Secretary to determine the accuracy of the calculations. These calculations must be based on the fee bases approved by the Technical Secretary (payment on an actual or mixed emissions basis) and payment on a state fiscal year (July 1 through June 30) or a calendar year (January 1 through December 31). These records shall be used to complete the actual emissions analysis.

For all pollutants and all sources for which the permittee has chosen an allowable emissions basis, pay allowable based emission fees pursuant to TAPCR 1200-03-26-.02(9)(d).

(5) When paying on an actual or mixed emissions basis, submit the actual emissions analyses at the time the fees are paid in full.

The annual emission fee due dates are specified in TAPCR 1200-03-26-.02(9)(g) and are dependent on the Responsible Official’s choice of fee bases as described above. If any part of any fee imposed under TAPCR 1200-03-26-.02 is not paid within 15 days of the due date, penalties shall at once accrue as specified in TAPCR 1200-03-26-.02(8). Emissions for regulated pollutants shall not be double counted as specified in Condition A8(d) of this permit.

Payment of the fee due and the actual emissions analysis (if required) shall be submitted to The Technical Secretary at the following address:

Payment of Fee to: Actual Emissions Analyses to:
The Tennessee Department of Environment and The Tennessee Department of
Conservation Environment and Conservation
Division of Fiscal Services Division of Air Pollution Control
Consolidated Fee Section – APC Emission Inventory Program
William R. Snodgrass Tennessee Tower William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 10th Floor 312 Rosa L. Parks Avenue, 15th Floor
Nashville, Tennessee 37243 Nashville, Tennessee 37243

or

An electronic copy (PDF) of actual emissions analysis can also be submitted to: apc.inventory@tn.gov

E2. Reporting requirements.

(a) Semiannual reports. Semiannual reports shall cover the six-month periods from October 1 to March 31 and April 1 to September 30 and shall be submitted within 60 days after the end of each six-month period. Subsequent reports shall be submitted within 60 days after the end of each 6-month period following the first report. The first semiannual report following issuance of this permit shall cover the following permits and reporting periods:

<table>
<thead>
<tr>
<th>Permit Number</th>
<th>Reporting Period Begins</th>
<th>Reporting Period Ends</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permit No. 568314</td>
<td>October 1, 2021</td>
<td>Day before issuance date of Permit No. 578402 (with year)</td>
</tr>
<tr>
<td>Permit No. 578402</td>
<td>Issuance date of Permit No. 578402 (with year)</td>
<td>March 31, 2022</td>
</tr>
</tbody>
</table>

These semiannual reports shall include:

(1) Any monitoring and recordkeeping required by condition E4-7 of this permit. However, a summary report of this data is acceptable provided there is sufficient information to enable the Technical Secretary to evaluate compliance.

(2) The visible emission evaluation readings from condition E3-5 of this permit if required. However, a summary report of this data is acceptable provided there is sufficient information to enable the Technical Secretary to evaluate compliance.

(3) Identification of all instances of deviations from ALL PERMIT REQUIREMENTS.
These reports must be certified by a responsible official consistent with condition B4 of this permit and shall be submitted to The Technical Secretary at the address in Condition E2(b) of this permit.

TAPCR 1200-03-09-.02(11)(e)1.(iii)

(b) **Annual compliance certification.** The permittee shall submit annually compliance certifications with each term or condition contained in Sections A, B, D and E of this permit, including emission limitations, standards, or work practices. This compliance certification shall include all of the following (provided that the identification of applicable information may cross-reference the permit or previous reports, as applicable):

1. The identification of each term or condition of the permit that is the basis of the certification;
2. The identification of the method(s) or other means used by the owner or operator for determining the compliance status with each term and condition during the certification period; Such methods and other means shall include, at a minimum, the methods and means required by this permit. If necessary, the owner or operator also shall identify any other material information that must be included in the certification to comply with section 113(c)(2) of the Federal Act, which prohibits knowingly making a false certification or omitting material information;
3. The status of compliance with each term or condition of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certification shall be based on the method or means designated in E2(b)(2) above. The certification shall identify each deviation and take it into account in the compliance certification. The certification shall also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion* or exceedance** as defined below occurred; and
4. Such other facts as the Technical Secretary may require to determine the compliance status of the source.

* “Excursion” shall mean a departure from an indicator range established for monitoring under this paragraph, consistent with any averaging period specified for averaging the results of the monitoring.

** “Exceedance” shall mean a condition that is detected by monitoring that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) are greater than the applicable emission limitation or standard (or less than the applicable standard in the case of a percent reduction requirement) consistent with any averaging period specified for averaging the results of the monitoring.

Annual compliance certifications shall cover the 12-month period from April 1 to March 31 and shall be submitted within 60 days after the end of each 12-month period. The first annual compliance certification following issuance of this permit shall cover the following permits and reporting periods:

<table>
<thead>
<tr>
<th>Permit Number</th>
<th>Reporting Period Begins</th>
<th>Reporting Period Ends</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permit No. 568314</td>
<td>April 1, 2021</td>
<td>Day before issuance date of Permit No. 578402 (with year)</td>
</tr>
<tr>
<td>Permit No. 578402</td>
<td>Issuance date of Permit No. 578402 (with year)</td>
<td>March 31, 2022</td>
</tr>
</tbody>
</table>

These certifications shall be submitted to: **TN APCD** and **EPA**.

The Technical Secretary and Air Enforcement Branch
Division of Air Pollution Control
ATTN: Columbia Environmental Field Office
1421 Hampshire Pike
Columbia, Tennessee 38401

or e-mail (PDF): APC.ColuEFO@tn.gov

40 CFR Part 70.6(c)(5)(iii) as amended in the Federal Register Vol. 79, No.144, July 28, 2014, pages 43661 through 43667 TAPCR 1200-03-09-.02(11)(e)3.(v)

(c) **Other Reporting Requirements.** The permittee must submit the NSPS and/or NESHAP reports listed below, *each under separate cover or as a separate electronic (pdf) file, as follows:*

1. NSPS - 40 CFR Part 60 Subpart JJJJ
1. For the 600-horsepower, natural-gas fired, 4SLB Caterpillar G3412 emergency generator designated as D-Aux-1 and the insignificant emission units (two 18-horsepower, natural-gas fired, 4SLB Generac emergency generators designated as T-Aux-1 and T-Aux-2) – Pursuant to 40 CFR §60.4245(e), if the engine operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR §60.4243(d)(2)(ii) and (iii) or that operates for the purposes specified in 40 CFR §60.4243(d)(3)(i), the permittee must submit an annual report according to the requirements in paragraphs (A) through (C) below:

   (i) The report must 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 operated for the purposes specified in 40 CFR §60.4243(d)(2)(ii) and (iii), including the date, start time, and end time for engine operation for the purposes specified in 40 CFR §60.4243(d)(2)(ii) and (iii).
      (VI) Number of hours the engine is contractually obligated to be available for the purposes specified in 40 CFR §60.4243(d)(2)(ii) and (iii).
      (VII) Hours spent for operation for the purposes specified in 40 CFR §60.4243(d)(3)(i), including the date, start time, and end time for engine operation for the purposes specified in 40 CFR §60.4243(d)(3)(i). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

   (ii) The first annual report following issuance of this permit shall cover the calendar year 2021 and must be submitted no later than March 31, 2022. Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.

   (iii) The annual report must be submitted to the Technical Secretary at the following address:

      Division of Air Pollution Control
      William R. Snodgrass Tennessee Tower
      312 Rosa L. Parks Avenue, 15th Floor
      Nashville, TN 37243
      or, by email to Air.Pollution.Control@tn.gov

(d) Retention of Records All records required by any condition in Section E of this permit must be retained for a period of not less than five years. Additionally, these records shall be kept available for inspection by the Technical Secretary or a Division representative.

TAPCR 1200-03-09-.02(11)(e)1.(iii)(II)II

E3. GENERAL PERMIT REQUIREMENTS

Conditions E3-1 through 0 apply to all sources in this permit, unless otherwise indicated.

E3-1. Identification of Responsible Official, Technical Contact, and Billing Contact

(a) The application that was utilized in the preparation of this permit is dated July 17, 2020, and is signed by John Pannell, Director of Operations, designated in a letter dated May 29, 2018, as a duly authorized representative of Ron Bessette, VP, Operations, the Responsible Official of the permitted facility. Notification was received on December 10, 2021 that Joseph Simonsen, Director, has replaced John Pannell as a duly authorized representative of Ron Bessette, VP, Operations, the Responsible Official of the permitted facility. If this person terminates employment or is assigned different duties and is no longer a Responsible Official for this facility as defined in part 1200-03-09-.02(11)(b)21 of the Tennessee Air Pollution Control Regulations, the owner or operator of this air contaminant source shall notify the Technical Secretary of the change. Said notification must be in writing and must be submitted within thirty (30) days of the change. The notification shall include the name and title of the new Responsible Official and certification of
truth and accuracy. All representations, agreement to terms and conditions, and covenants made by the former Responsible Official that were used in the establishment of the permit terms and conditions will continue to be binding on the facility until such time that a revision to this permit is obtained that would change said representations, agreements, and/or covenants.

(b) The application that was utilized in the preparation of this permit is dated July 17, 2020, and identifies Julia Griffin, Senior Permitting and Compliance Specialist II as the Principal Technical Contact for the permitted facility. If this person terminates employment or is assigned different duties and is no longer the Principal Technical Contact for this facility, the owner or operator of this air contaminant source shall notify the Technical Secretary of the change. Said notification must be in writing and must be submitted within thirty (30) days of the change. The notification shall include the name and title of the new Principal Technical Contact and certification of truth and accuracy.

(c) The application that was utilized in the preparation of this permit is dated July 17, 2020, and identifies Julia Griffin, Senior Permitting and Compliance Specialist II as the Billing Contact for the permitted facility. If this person terminates employment or is assigned different duties and is no longer the Billing Contact for this facility, the owner or operator of this air contaminant source shall notify the Technical Secretary of the change. Said notification must be in writing and must be submitted within thirty (30) days of the change. The notification shall include the name and title of the new Billing Contact and certification of truth and accuracy.

E3-2. Application and Agreement Letters

This source shall operate in accordance with the terms of this permit, the information submitted in the approved permit application referenced in Condition E3-1(a), and any documented agreements made with the Technical Secretary.

TAPCR 1200-03-09-.01(1)(d)

E3-3. General Recordkeeping Requirements

(a) All recordkeeping requirements for all data required to be recorded shall follow the following schedules:

<table>
<thead>
<tr>
<th>For Daily Recordkeeping</th>
<th>For Weekly Recordkeeping</th>
<th>For Monthly Recordkeeping</th>
</tr>
</thead>
<tbody>
<tr>
<td>No later than seven days from the end of the day for which the data is required.</td>
<td>No later than seven days from the end of the week for which the data is required.</td>
<td>No later than 30 days from the end of the month for which the data is required.</td>
</tr>
</tbody>
</table>

(b) The information contained in logs, records, and submittals required by this permit shall be kept at the facility’s address, unless otherwise noted, and provided to the Technical Secretary or a Division representative upon request. Computer-generated logs are acceptable. The logs contained in this permit are based on a recommended format. Any logs that have an alternative format may be utilized provided they contain the same information that is required. Compliance is assured by retaining the logs, records, and submittals specified in this permit for a period of not less than five years at the facility’s address.

TAPCR 1200-03-10-.02(2)(a)

E3-4. Routine Maintenance Requirements

The permittee shall maintain and repair the emission source, associated air pollution control device(s), and compliance assurance monitoring equipment as required to maintain and assure compliance with the specified emission limits.

TAPCR 1200-03-09-.03(8)

Compliance Method: Records of all repair and maintenance activities required above shall be recorded in a suitable permanent form and kept available for inspection by the Division. These records must be retained for a period of not less than five years. The date each maintenance and repair activity began shall be entered in the log no later than seven days following the start of the repair or maintenance activity, and the completion date shall be entered in the log no later than seven days after activity completion.
Visible Emissions

(a) Unless otherwise specified, visible emissions from this facility shall not exhibit greater than 20% opacity, except for one six-minute period in any one hour period, and for no more than four six-minute periods in any 24 hour period. A stack is defined as any chimney, flue, conduit, exhaust, vent, or opening of any kind whatsoever, capable of, or used for, the emission of air contaminants.

TAPCR 1200-03-05-01(1) and 1200-03-05-03(6)

Compliance Method: When required to demonstrate compliance, visible emissions shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average).

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring.

CAM Plan. This facility is currently not subject to regulations under 40 CFR part 64 (Compliance Assurance Monitoring).

Section 112(r). The Permittee is not required to file an accidental release plan pursuant to Section 112(r) of the Clean Air Act and 1200-03-32 of TAPCR.

Greenhouse Gas (GHG): This facility is a major source of GHG emissions with more than 100,000 tons/year of carbon dioxide equivalent (CO₂e) emissions.

TAPCR 1200-03-09-03(8)

For the purpose of calculating actual emissions for fee purposes, the permittee shall maintain records of hours of operation (the amount of attained horsepower per hour summed over each hour of operation) and natural gas usage log for each of the turbine engines and emergency generator (D-Aux-1).

TAPCR 1200-03-26-02

Two (2) natural gas-fired simple-cycle Solar Mars T-14000 Turbine Engines each rated at 14,093 HP (at 59 degrees F ambient temperature), 1D, and 3D. One (1) natural gas-fired simple-cycle Solar Mars 100-14000S Turbine Engines rated at 14,091 HP (at 59 degrees F ambient temperature), 2D, and one (1) 600 HP natural gas-fired emergency generator, D-Aux-1.

Compliance method: The permittee shall maintain documentation to demonstrate the heat input capacity for the combustion turbines. Documentation shall include, but is not limited to, manufacturer’s specifications, purchase records, operating manuals, or a tag affixed to the unit by the manufacturer. These documents shall be kept readily available/accessible and made available upon request by the Technical Secretary or a Division representative.

Particulate matter (PM) emitted from Turbine Engines 1D, 2D, and 3D shall not exceed 2.13 pounds per hour (lb./hr.) (combined total from Turbine Engines 1D, 2D, and 3D).
TAPCR 1200-03-06-.01(7) and the agreement letter dated DATE_TBD (attachment #5)

**Compliance Method:** Compliance with this emission limitation is assured by compliance with Conditions E4-1 and E4-7 of this permit and the emission factors of 6.6 E-03 lb/MMBtu from AP-42 for Chapter 3, Section 1, Stationary Gas Turbines Table 3.1-2a., Supplement to 5th Ed, 4/00.

E4-3. Sulfur dioxide \( (\text{SO}_2) \) emitted from Turbine Engines 1D, 2D, and 3D shall not exceed 20.55 pounds per hour (combined total from Turbine Engines 1D, 2D, and 3D).

TAPCR 1200-03-14-.01(3), TAPCR 1200-03-09-.03(8), 40 CFR §60.333 (b), and the agreement letter dated DATE_TBD (attachment #5)

**Compliance Method:** Compliance with this emission limitation is assured by compliance with Conditions E4-1 and E4-7 of this permit and AP-42 emission factors for Stationary Gas Turbines— 3.1-2a., Supplement to 5th Ed, 4/00.

E4-4. Carbon monoxide \( (\text{CO}) \) emitted from Turbine Engines 1D, 2D, and 3D shall not exceed 88.78 tons during all intervals of 12 consecutive months (combined total from Turbine Engines 1D, 2D, and 3D). This limitation is established pursuant to TAPCR 1200-03-07-.07(2), and the vendor guarantees described in the company’s approved application dated July 31, 2017.

TAPCR 1200-03-07-.07(2)

**Compliance Method:** Compliance with this emission limitation is assured by compliance with Conditions E4-1 and E4-7 of this permit, and the vendor guarantees described in the company’s approved application dated July 31, 2017.

E4-5. Volatile organic compounds \( (\text{VOC}) \) emitted from Turbine Engines 1D, 2D, and 3D shall not exceed 29.43 tons during all intervals of 12 consecutive months (combined total from Turbine Engines 1D, 2D, and 3D).

TAPCR 1200-03-07-.07(2)

**Compliance Method:** Compliance with this emission limitation is assured by compliance with Conditions E4-1 and E4-7 of this permit, and the vendor guarantees described in the company’s approved application dated July 31, 2017.

E4-6. Nitrogen oxides \( (\text{NO}_x) \) emitted from Turbine Engines 1D and 3D shall not exceed 0.021% by volume at 15% oxygen on a dry basis (172.6 pounds per hour). Nitrogen oxides \( (\text{NO}_x) \) emitted from Turbine Engine 2D shall not exceed 0.021% by volume at 15% oxygen on a dry basis and 16.22 pounds per hour. Consistent with the provisions of the memorandum of August 14, 1987 by John B. Rasnic of EPA, the monitoring of fuel nitrogen content shall not be required while natural gas is the only fuel fired in the gas turbines (attachment #2). For fee purposes only, nitrogen oxides emitted from Turbine Engines 1D, 2D, and 3D are 827.02 tons per year or less, based on the company’s approved application dated July 31, 2017.

TAPCR 1200-03-07-.07(2), TAPCR 1200-03-09-.03(8) and 40 CFR Part 60, Subpart GG, §60.332 (d)

**Compliance Method:** Compliance with this emissions standard is based on source tests conducted on Unit 3D, Station 79, January 10, 1992, for Turbine Engines 1D and 3D (attachment #3); and from the manufacturer’s Predicted Emissions Performance specification sheet included with the company’s approved application dated July 31, 2017, for modified Turbine Engine 2D (attachment #4).

E4-7. Only pipeline natural gas with a sulfur content of less than 0.8 percent by weight shall be used as fuel for this source.

TAPCR 1200-03-09-.03(8) and 40 CFR Part 60, Subpart GG, §60.333 (b)

**Compliance Method:** If the gaseous fuel is demonstrated to meet the definition of natural gas as defined in §60.331(u) of federal register (as given below), regardless of whether this is an existing custom fuel monitoring schedule approved by the administrator to meet subpart GG requirements, the owner or operator may elect not to monitor the total sulfur content of the gaseous fuel combusted in the turbine, pursuant to 40 CFR Part 60, Subpart GG; §60.334 (h)(3). The owner or operator shall use any one of the two sources of information as provided in Subpart GG; §60.334 (h)(3)(i) and §60.334 (h)(3)(ii) (as given below).

40 CFR §60.331(a):
Natural gas means a naturally occurring fluid mixture of hydrocarbons (e.g., methane, ethane, or propane) produced in geological formations beneath the Earth's surface that maintains a gaseous state at standard atmospheric temperature and pressure under ordinary conditions. Natural gas contains 20.0 grains or less of total sulfur per 100 standard cubic feet. Equivalents of this in other units are as follows: 0.068 weight percent total sulfur, 680 parts per million by weight (ppmw) total sulfur, and 338 parts per million by volume (ppmv) at 20 degrees Celsius total sulfur. Additionally, natural gas must either be composed of at least 70 percent methane by volume or have a gross calorific value between 950 and 1100 British thermal units (Btu) per standard cubic foot. Natural gas does not include the following gaseous fuels: landfill gas, digester gas, refinery gas, sour gas, blast furnace gas, coal-derived gas, producer gas, coke oven gas, or any gaseous fuel produced in a process which might result in highly variable sulfur content or heating value.

40 CFR §60.334 (h)(3)

(i) The gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less; or

(ii) Representative fuel sampling data which show that the sulfur content of the gaseous fuel does not exceed 20 grains/100 scf. At a minimum, the amount of fuel sampling data as specified in section 2.3.1.4 or 2.3.2.4 of appendix D to part 75 of this chapter is required.

E4-8. One or more of the compressor engines may be removed and replaced with repaired or refurbished equivalent capacity engines in order to maintain gas delivery capacity.

TAPCR 1200-03-09-.03(8) and 1200-03-09-.02(6)

Compliance Method: Records shall be maintained on site of such changes and shall be entered into a log no later than a week after the unit is replaced in accordance with Condition E3-3. If the replacement engine(s) are retained on a permanent basis the Permitee shall notify the Division in writing and submit an application to the Division if the unit is subject to any applicable federal requirements including MACT, NSPS etc.

E4-9. Portable compressor engines, such as Allison KV501, Solar Centaur or Solar Saturn, may be used on an interim basis (up to three months) to temporarily replace the existing unit (or units) under maintenance or repair.

TAPCR 1200-03-09-.03(8) and 1200-03-09-.02(6)

Compliance Method: Records shall be maintained on site of such changes and entered into a log within a week after the unit is put in temporary replacement for repair or maintenance and also a record must be entered no later than one week after the temporary unit is removed and the existing unit has resumed operation. Both types of log entries shall be made in accordance with Condition E3-3.

Conditions E4-10 to E4-18 apply to D-Aux-1 emergency engine with generator

E4-10. Operating time for the emergency generator shall not exceed 500 hours per year.

TAPCR 1200-03-09-.03(8) and 40 CFR §60.4243(d)

Compliance Method: The permittee must limit the operating time of the emergency stationary RICE as required in this condition and keep records of the hours of operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter.

E4-11. Pursuant to 40 CFR §63.6603 (Subpart ZZZZ, Table 2d) the permittee shall comply with the following requirements:

Table 2d
The permittee must meet the following requirement, except during periods of startup . . .

<table>
<thead>
<tr>
<th>For each . . .</th>
<th>The permittee must meet the following requirement, except during periods of startup . . .</th>
<th>During periods of startup the permittee must . . .</th>
</tr>
</thead>
</table>
| 5. Emergency stationary SI RICE; black start stationary SI RICE; nonemergency, non-black start 4SLB stationary RICE >500 HP that operate 24 hours or less per calendar year; non-emergency, non-black start 4SRB stationary RICE >500 HP that operate 24 hours or less per calendar year. | a. Change oil and filter every 500 hours of operation or annually, whichever comes first;[1]  
b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and  
c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. | Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. |

[1]The source has the option to utilize an oil analysis program as described in 40 CFR §63.6625(j) in order to extend the specified oil change requirement in Table 2d to Subpart ZZZZ of Part 63.

[2]If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in Table 2d to Subpart ZZZZ of 40 CFR Part 63, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the management practice on the schedule required and the federal, state, or local law under which the risk was deemed unacceptable.

TAPCR 1200-03-09-.03(8) and 40 CFR §63.6603 and Table 2d to Subpart ZZZZ of 40 CFR Part 63, 40 CFR §63.6605(a) and 40 CFR §63.6625(j)

**Compliance Method:** The permittee shall maintain a record of the dates of the following: (1) oil and filter change, (2) spark plug inspection, and (3) hoses and belts inspection. All records shall be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. These records must be retained for a period of not less than five (5) years.

**E4-12.** The permittee must operate the emergency stationary RICE according to the requirements in paragraphs a through d of this permit condition. In order for the engine to be considered an emergency stationary RICE under 40 CFR Part 63 Subpart ZZZZ, any operation other than emergency operation, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (a) through (d) of this permit condition, is prohibited. If the permittee does not operate the engine according to the requirements in paragraphs (a) through (d) of this permit condition, the engine will not be considered an emergency engine under 40 CFR Part 63 Subpart ZZZZ and must meet all requirements for non-emergency engines.

(a) There is no time limit on the use of emergency stationary RICE in emergency situations.
(b) The permittee may operate the emergency stationary RICE for any combination of the purposes specified in paragraphs i through iii below for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs c and d below counts as part of the 100 hours per calendar year allowed by this paragraph
  (i) Emergency stationary RICE 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 owner or operator 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 owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.
  (ii) [Reserved – Vacated and Remanded on 05/01/2015]
  (iii) [Reserved – Vacated and Remanded on 05/01/2015]
(c) [Reserved-Not Applicable]
(d) Emergency stationary RICE located at area sources of HAP 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 and emergency demand response provided in paragraph b of this condition. Except as provided in paragraphs (i) and (ii) below, 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.

(i) [Reserved-Not Applicable]

(ii) [Reserved-Not Applicable]

TAPCR 1200-03-09-.03(8) and 40 CFR §63.6640(f)

**Compliance Method:** The permittee must operate the emergency stationary RICE as required in this condition and keep records of the hours of operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter.

**E4-13.** The permittee shall keep a log of the number of operating hours for each month and calendar year at this source, in a form that readily provides the information required in the following table and shows compliance with Condition E4-10(MM1) and for the purpose of calculating actual emissions for fee purposes. All data must be entered in the log no later than thirty (30) days from the end of the month for which the data is required. The permittee shall retain this record at the source location for a period of not less than five (5) years and keep this record available for inspection by the Technical Secretary or a Division representative.

### Monthly Log for Source 68-0001-01 D-Aux-1

<table>
<thead>
<tr>
<th>Month, Year</th>
<th>Emergency Operation (hr./month)</th>
<th>Maintenance Checks and Readiness Testing (hr./month)</th>
<th>Non-Emergency Operation (hr./month)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Column A</td>
<td>Column B</td>
<td>Column C</td>
</tr>
<tr>
<td>January</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>February</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Etc.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>December</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Calendar Year Log for Source 68-0001-01 D-Aux-1

<table>
<thead>
<tr>
<th>Limit</th>
<th>Emergency C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Emergency Add Columns B+C</td>
<td>100 hours</td>
</tr>
<tr>
<td>January</td>
<td>50 Hours</td>
</tr>
<tr>
<td>February</td>
<td></td>
</tr>
<tr>
<td>Etc.</td>
<td></td>
</tr>
<tr>
<td>December</td>
<td></td>
</tr>
</tbody>
</table>

TAPCR 1200-03-09-.03(8) and 1200-03-10-.02(2)(a) and 40 CFR §§63.6625(f) and 63.6655(f)

**Compliance Method:** The permittee must keep records of the hours of operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The permittee must document how many hours for each engine are spent for emergency operation, including what classified the operation as emergency and how many hours for each engine are spent for non-emergency operation. The permittee shall maintain a monthly log of operating hours for each engine. The permittee shall maintain the log formats shown above or alternative formats which readily provide the same required information.

**E4-14.** Particulate matter (TSP) emitted from this engine serving a generator, shall not exceed 0.07 pounds per hour.
Compliance method: Compliance with this emission limitation is assured by compliance with Condition \textbf{E4-10} of this permit, based on AP-42 emission factors for Natural Gas-fired Reciprocating Engines – 3.2-2., Supplement to 5th Ed, 7/00, and the engine stated heat input capacity in the company’s approved application dated July 17, 2020.

\textbf{E4-15.} Carbon Monoxide (CO) emitted from this engine serving a generator, shall not exceed 0.5 tons per year (TPY), based on manufacturer’s data and 500 hrs./yr. operation..

Compliance Method: Compliance with this emission limitation is assured by compliance with Condition \textbf{E4-10} of this permit, based on the engine stated heat input capacity and manufacturer’s test data in the company’s approved application dated July 17, 2020.

\textbf{E4-16.} Nitrogen Oxides (NO\textsubscript{x}) emitted from this engine serving a generator, shall not exceed 7.04 tons per year (TPY).

Compliance Method: Compliance with this emission limitation is assured by compliance with Condition \textbf{E4-10} of this permit, based on 500 hrs./yr. operation, the engine stated heat input capacity and manufacturer’s test data in the company’s approved application dated July 17, 2020.

\textbf{E4-17.} For annual emission fee payment purposes only, volatile organic compounds (VOC) emitted from this engine serving a generator, will not exceed 0.21 tons per year (TPY).

Compliance Method: None. This is a statement of the source potential to emit for annual emission fee payment purposes only, based on 500 hrs./yr. operation and the company’s approved application dated July 17, 2020.

\textbf{E4-18.} For annual emission fee payment purposes only, sulfur dioxide (SO\textsubscript{2}) emitted from this engine serving a generator, will not exceed 0.001 tons per year (TPY).

Compliance Method: None. This is a statement of the source potential to emit for annual emission fee payment purposes only, based on 500 hrs./yr. operation and the company’s approved application dated July 17, 2020.

\textbf{END OF PERMIT NUMBER 578402}
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**TITLE V FEE SELECTION**

Type or print and submit to the email address above.

### FACILITY INFORMATION

1. **Organization’s legal name and SOS control number** [as registered with the TN Secretary of State (SOS)]

2. **Site name** (if different from legal name)

3. **Site address** (St./Rd./Hwy.)

   - **City**
   - **County name**
   - **Zip code**

4. **Emission source reference number**

5. **Title V permit number**

### FEE SELECTION

This fee selection is effective beginning January 1, _______. When approved, this selection will be effective until a new Fee Selection form is submitted. Fee Selection forms must be submitted on or before December 31 of the annual accounting period.

6. **Payment Schedule (choose one):**
   - Calendar Year Basis (January 1 – December 31)
   - Fiscal Year Basis (July 1 – June 30)

7. **Payment Basis (choose one):**
   - Actual Emissions Basis
   - Allowable Emissions Basis
   - Combination of Actual and Allowable Emissions Basis

8. **If Payment Basis is “Actual Emissions” or “Combination of Actual and Allowable Emissions”, complete the following table for each permitted source and each pollutant for which fees are due for that source. See instructions for further details.**

<table>
<thead>
<tr>
<th>Source ID</th>
<th>Pollutant</th>
<th>Allowable or Actual Emissions</th>
<th>If allowable emissions: Specify condition number and limit.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

If actual emissions: Describe calculation method and provide example. Provide condition number that specifies method, if applicable.
### 8. (Continued)

<table>
<thead>
<tr>
<th>Source ID</th>
<th>Pollutant</th>
<th>Allowable or Actual Emissions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>If allowable emissions: Specify condition number and limit.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>If actual emissions: Describe calculation method and provide example. Provide condition number that specifies method, if applicable.</td>
</tr>
</tbody>
</table>

### CONTACT INFORMATION (BILLING)

<table>
<thead>
<tr>
<th>9. Billing contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phone number with area code</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mailing address (St./Rd./Hwy.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fax number with area code</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>City</th>
<th>State</th>
<th>Zip code</th>
<th>Email address</th>
</tr>
</thead>
</table>

### SIGNATURE BY RESPONSIBLE OFFICIAL

Based upon information and belief formed after reasonable inquiry, I, as the responsible person of the above mentioned facility, certify that the information contained in the submittal is accurate and true to the best of my knowledge. As specified in TCA Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

<table>
<thead>
<tr>
<th>10. Signature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Signer’s name (type or print)</th>
<th>Title</th>
<th>Phone number with area code</th>
</tr>
</thead>
</table>
ATTACHMENT #2

OPACITY MATRIX DECISION TREE for
VISIBLE EMISSION EVALUATION METHODS 2 & 9
Dated JUNE 18, 1996, Amended September 11, 2013
Notes:
PM = Periodic Monitoring required by 1200-03-09-02((1)(e)(iii)).

This Decision Tree outlines the criteria by which major sources can meet the periodic monitoring and testing requirements of Title V for demonstrating compliance with the visible emission standard in Rule 1200-03-05-01. It is not intended to determine compliance requirements for EPA’s Compliance Assurance Monitoring (CAM) Rule (formerly referred to as Enhanced Monitoring – Proposed 40 CFR 64).

Examine each emission unit using this Decision Tree to determine the PMT required.

Use of continuous emission monitoring systems eliminates the need to do any additional periodic monitoring.

Visible Emission Evaluations (VEEs) are to be conducted utilizing Tennessee Visible Emission Evaluation Method 2. The observer must be properly certified according to the criteria specified in EPA Method 9 to conduct VTEE Method 2 evaluations.

Typical Pollutants
Particulates, VOC, CO, SO2, NOx, HCl, HF, HBr, Ammonia, and Methane.

Initial observations are to be repeated within 90 days of startup of a modified source, if a new construction permit is issued for modification of the source.

A VEE conducted by TAPCD personnel after the Title V permit is issued will also constitute an initial reading.

Reader Error
TVGE Method 2: The TAPCD declares non-compliance when 21 observations are read at the standard plus 15% opacity (e.g. 35% for a 20% standard).

*The rationale for this is the fact that Rule 1200-03-05-01 allows for an exemption of 5 minutes (20 readings) per hour and up to 20 minutes (80 readings) per day. With 4 or more excessive individual readings per hour, the possibility of a daily exceedance exists.

Note: A company could mutually agree to have all of its sources regulated by EPA Method 9. Caution: Agreement to use Method 9 could potentially place some sources in non-compliance with visible emission standards. Please be sure before you agree.

Dated June 18, 1996
Amended September 11, 2013
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Notes:

PM = Periodic Monitoring required by 1200-03-09-.02(11)(e)(ii).  

This Decision Tree outlines the criteria by which major sources can meet the periodic monitoring and testing requirements of Title V for demonstrating compliance with the visible emission standards set forth in the permit. It is not intended to determine compliance requirements for EPA’s Compliance Assurance Monitoring (CAM) Rule (formerly referred to as Enhanced Monitoring – Proposed 40 CFR 60).

Examine each emission unit using this Decision Tree to determine the PM required.*

Use of continuous emission monitoring systems eliminates the need to do any additional periodic monitoring.

Visible Emission Evaluations (VEEs) are to be conducted utilizing EPA Method 9. The observer must be properly certified to conduct valid evaluations.

Typical Pollutants: 
Particulates, VOC, CO, SO₂, NOₓ, HCl, HF, HBr, Ammonia, and Methane.

Initial observations are to be repeated within 90 days of startup of a modified source, if a new construction permit is issued for modification of the source.

If the Title V permit is issued after the Title V permit is issued will also constitute an initial reading.

Reader Error: 
EPA Method 9, Non-NSPS or NESHAPS stipulated opacity standards.
The TAPCD guidance is to declare non-compliance when the highest six-minute average exceeds the standard plus 6.8% opacity (e.g. 26.8% for a 20% standard).

EPA Method 9, NSPS or NESHAPS stipulate opacity standards: 
EPA guidance is to allow only engineering round. No allowance for reader error is given.

*Not applicable to Asbestos manufacturing subject to 40 CFR 61.142

**Or second highest six-minute average, if the source has an exemption period stipulated in either the regulations or in the permit.

Dated June 18, 1996
Amended September 11, 2013

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Decision Tree PM for Opacity for Sources Utilizing EPA Method 9*

- Is Emission Unit an Equipment Leak? 
  - Yes: No opacity reading required
  - No: Natural Gas or No. 2 Oil-fired Combustion Source?
    - Yes: No opacity reading required
    - No: Is Each Allowable Emission less than or equal to 10 TPY?
      - Yes: No opacity reading required
      - No: Is Each Allowable Emission greater than 10 TPY from Colorless Pollutants (e.g., Colorless VOCs, CO, HCl, HF, Ammonia, or Methane)?
        - Yes: No opacity reading required
        - No: Within one year following Title V permit issuance date conduct an initial 30-minute VEE during normal process operation
          - Is the highest 6-minute average** less than or equal to 50% of the applicable opacity standard (e.g., 10% opacity for a source having a 20% standard)?
            - Yes: Conduct VEEs Semi-annually
            - No: Within one year prior to Title V permit expiration date conduct another 30-minute VEE during normal process operation
              - Is the highest 6-minute average** greater than 50% of the applicable opacity standard (e.g., 11% opacity for a source having a 20% standard) and less than 100% of the applicable opacity standard?
                - Yes: Conduct 30-minute VEEs monthly
                - No: Is the highest 6-minute average** greater than or equal to the applicable opacity standard & out of compliance taking both round & reader error into consideration?
                  - Yes: Report deviations from Permit requirements in periodic reports and periodic compliance certifications as required by the Major Source Operating Permit.
                  - No: Has a semi-annual VEE highest 6-minute average** been greater than or equal to the applicable opacity standard?
                    - Yes: Conduct 30-minute VEEs monthly
                    - No: Have 3 consecutive months VEEs highest 6-minute average** been less than the applicable opacity standard?
<table>
<thead>
<tr>
<th>ATTACHMENT #3</th>
</tr>
</thead>
<tbody>
<tr>
<td>DATA from EMISSIONS TESTING</td>
</tr>
<tr>
<td>CONDUCTED on 1/10/92</td>
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</tbody>
</table>
(This page intentionally left blank)
### Table IV

**Unit 2D**

**January 10, 1992 Averaged Results**

<table>
<thead>
<tr>
<th>Solar Heat Turbine</th>
<th>Run #1</th>
<th>Run #2</th>
<th>Run #3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>@14:04</td>
<td>@15:05</td>
<td>@16:59</td>
</tr>
<tr>
<td><strong>Fuel Consumption (SCFM)</strong></td>
<td>1755</td>
<td>1754</td>
<td>2744</td>
</tr>
<tr>
<td><strong>Volume Heatsum</strong></td>
<td>1276</td>
<td>1268</td>
<td>2601</td>
</tr>
<tr>
<td><strong>Heat Rate (Btu/HR) (HP-MRI)</strong></td>
<td>7751</td>
<td>7730</td>
<td>7702</td>
</tr>
<tr>
<td><strong>Throughput (Mlbs/HR)</strong></td>
<td>460</td>
<td>469</td>
<td>487</td>
</tr>
<tr>
<td><strong>G.P. Shaft Speed (RPM)</strong></td>
<td>109018</td>
<td>10829</td>
<td>10820</td>
</tr>
<tr>
<td><strong>F.T. Shaft Speed (RPM)</strong></td>
<td>3885</td>
<td>3866</td>
<td>3841</td>
</tr>
<tr>
<td><strong>CFM Frequency (Hz)</strong></td>
<td>435</td>
<td>436</td>
<td>433</td>
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<table>
<thead>
<tr>
<th>Pressures</th>
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<tbody>
<tr>
<td>Suction (psig)</td>
<td>465.5</td>
<td>465.3</td>
<td>467.3</td>
</tr>
<tr>
<td>Discharge (psig)</td>
<td>759.1</td>
<td>759.7</td>
<td>764.4</td>
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<tr>
<td>Blow Pressure (psig)</td>
<td>465.5</td>
<td>466.4</td>
<td>467.3</td>
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<tr>
<td>Fuel Mass Flow (psig)</td>
<td>79.4</td>
<td>79.6</td>
<td>72.4</td>
</tr>
<tr>
<td><strong>Fuel Differential (psig)</strong></td>
<td>80.1</td>
<td>79.6</td>
<td>78.2</td>
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<tr>
<td>Addl Flow Comps. (psig)</td>
<td>223.6</td>
<td>235.4</td>
<td>237.2</td>
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<tr>
<td>Barometric (in. Hg)</td>
<td>29.66</td>
<td>29.64</td>
<td>29.62</td>
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<table>
<thead>
<tr>
<th>Temperatures</th>
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<tbody>
<tr>
<td>10 (Tech. Ext.) (°F)</td>
<td>132</td>
<td>1227</td>
<td>132</td>
</tr>
<tr>
<td>Exhaust Stack (°F)</td>
<td>975</td>
<td>975</td>
<td>975</td>
</tr>
<tr>
<td>Fuel (°F)</td>
<td>896</td>
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<td>896</td>
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<tr>
<td>Latent Air (°F)</td>
<td>32.0</td>
<td>31.3</td>
<td>33.4</td>
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<tr>
<td>Suction (°F)</td>
<td>45.4</td>
<td>47.5</td>
<td>40.7</td>
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<tr>
<td>Discharge (°F)</td>
<td>122.8</td>
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<td>122.8</td>
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<tr>
<td>Live B.W. (°F)</td>
<td>39</td>
<td>32</td>
<td>32</td>
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<tr>
<td>Wet B.W. (°F)</td>
<td>46</td>
<td>47</td>
<td>47</td>
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<table>
<thead>
<tr>
<th>Emissions Measured</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>NO (ppm)</td>
<td>131.3</td>
<td>134.0</td>
<td>136.6</td>
</tr>
<tr>
<td>NO₂ (ppm)</td>
<td>145.5</td>
<td>144.0</td>
<td>146.1</td>
</tr>
<tr>
<td>CO (ppm)</td>
<td>1.3</td>
<td>1.2</td>
<td>1.3</td>
</tr>
<tr>
<td>Unburned Hydrocarbons (ppm)</td>
<td>1.7</td>
<td>1.5</td>
<td>1.5</td>
</tr>
<tr>
<td>CO₂ (%)</td>
<td>13.6</td>
<td>13.6</td>
<td>13.6</td>
</tr>
<tr>
<td>OH (%)</td>
<td>3.0</td>
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<table>
<thead>
<tr>
<th>Emissions Calculated</th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>NO₂ (lb./hr.)</td>
<td>64.1</td>
<td>64.6</td>
<td>65.4</td>
</tr>
<tr>
<td>CO₂ (lb./hr.)</td>
<td>64.4</td>
<td>64.4</td>
<td>64.4</td>
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<tr>
<td>NO₂ (ppm cor. to 10% CO₂)</td>
<td>100.2</td>
<td>100.2</td>
<td>100.2</td>
</tr>
<tr>
<td>NOX (ppm cor. to ISO1 (C4d))</td>
<td>161.3</td>
<td>162.3</td>
<td>167.9</td>
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</table>

<table>
<thead>
<tr>
<th>Fuel Data in Mol/%</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Dioxide</td>
<td>1.14</td>
<td>1.14</td>
<td>1.14</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>0.57</td>
<td>0.37</td>
<td>0.37</td>
</tr>
<tr>
<td>Methane</td>
<td>0.56</td>
<td>0.56</td>
<td>0.56</td>
</tr>
<tr>
<td>Ethane</td>
<td>2.58</td>
<td>2.98</td>
<td>2.58</td>
</tr>
<tr>
<td>Propane</td>
<td>0.96</td>
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</tr>
<tr>
<td>Butane</td>
<td>0.48</td>
<td>0.48</td>
<td>0.48</td>
</tr>
<tr>
<td>Isobutane</td>
<td>0.44</td>
<td>0.44</td>
<td>0.44</td>
</tr>
<tr>
<td>N-butane</td>
<td>0.44</td>
<td>0.44</td>
<td>0.44</td>
</tr>
<tr>
<td>Hexane</td>
<td>0.44</td>
<td>0.44</td>
<td>0.44</td>
</tr>
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MEMORANDUM

SUBJECT: Authority for Approval of Custom Fuel Monitoring Schedules Under NSPS Subpart GG

FROM: John B. Rasnic, Chief Compliance Monitoring Branch

TO: Air Compliance Branch Chiefs Regions II, III, IV, V, VI and IX

Air Programs Branch Chiefs Regions I-X

The NSPS for Stationary Gas Turbines (Subpart GG) at 40 CFR 60.134(b)(2) allows for the development of custom fuel monitoring schedules as an alternative to daily monitoring of the sulfur and nitrogen content of fuel fired in the turbines. Regional Offices have been forwarding custom fuel monitoring schedules to the Stationary Source Compliance Division (SSCD) for consideration since it was understood that authority for approval of these schedules was not delegated to the Regions. However, in consultation with the Emission Standards and Engineering Division, it has been determined that the Regional Offices do have the authority to approve Subpart GG custom fuel monitoring schedules. Therefore it is no longer necessary to forward these requests to Headquarters for approval.

Over the past few years, SSCD has issued over twenty custom schedules for sources using pipeline quality natural gas. In order to maintain national consistency, we recommend that any schedules Regional Offices issue for natural gas be no less stringent than the following: sulfur monitoring should
be bimonthly, followed by quarterly, then semiannual, given at least six months of data demonstrating little variability in sulfur content and compliance with §60.333 at each monitoring frequency; nitrogen monitoring can be waived for pipeline quality natural gas, since there is no fuel-bound nitrogen and since the free nitrogen does not contribute appreciably to NOx emissions. Please see the attached sample custom schedule for details. Given the increasing trend in the use of pipeline quality natural gas, we are investigating the possibility of amending Subpart GG to allow for less frequent sulfur monitoring and a waiver of nitrogen monitoring requirements where natural gas is used.

Where sources using oil request custom fuel monitoring schedules, Regional Offices are encouraged to contact SSCO for consultation on the appropriate fuel monitoring schedule. However, Regions are not required to send the request itself to SSCO for approval.

If you have any questions, please contact Sally M. Farrell at FTS 382-2875.

Attachment

cc: John Cranshaw
    George Walsh
    Robert Ajax
    Earl Salo
Conditions for Custom Fuel Sampling Schedule for Stationary Gas Turbines

1. Monitoring of fuel nitrogen content shall not be required while natural gas is the only fuel fired in the gas turbine.

2. Sulfur Monitoring

   a. Analysis for fuel sulfur content of the natural gas shall be conducted using one of the approved ASTM reference methods for the measurement of sulfur in gaseous fuels, or an approved alternative method. The reference methods are: ASTM D1072-60; ASTM D3031-81; ASTM D3246-81, and ASTM D4084-82 as referenced in 40 CFR 60.335(b)(2).

   b. Effective the date of this custom schedule, sulfur monitoring shall be conducted twice monthly for six months. If this monitoring shows little variability in the fuel sulfur content, and indicates consistent compliance with 40 CFR 60.333, then sulfur monitoring shall be conducted once per quarter for six quarters.

   c. If after the monitoring required in item 2(b) above, or herein, the sulfur content of the fuel shows little variability and, calculated as sulfur dioxide, represents consistent compliance with the sulfur dioxide emission limits specified under 40 CFR 60.333, sample analysis shall be conducted twice per annum. This monitoring shall be conducted during the first and third quarters of each calendar year.

   d. Should any sulfur analysis as required in items 2(b) or 2(c) above indicate noncompliance with 40 CFR 60.333, the owner or operator shall notify the State Air Control Board of such excess emissions and the custom schedule shall be re-examined by the Environmental Protection Agency. Sulfur monitoring shall be conducted weekly during the interim period when this custom schedule is being re-examined.

3. If there is a change in fuel supply, the owner or operator must notify the State of such change for re-examination of this custom schedule. A substantial change in fuel quality shall be considered as a change in fuel supply. Sulfur monitoring shall be conducted weekly during the interim period when this custom schedule is being re-examined.

4. Records of sample analysis and fuel supply pertinent to this custom schedule shall be retained for a period of three years, and be available for inspection by personnel of federal, state, and local air pollution control agencies.
(This page intentionally left blank)
Ms. Michelle W. Owency, Director  
Division of Air Pollution Control  
Tennessee Department of Environment and Conservation  
William H. Snodgrass Tennessee Tower, 15th Floor  
312 Rosa L. Parks Avenue  
Nashville, TN 37243  
Air.Pollution.Control@TEN.gov

Dear Ms. Owency:

Tennessee Gas Pipeline Company, LLC - Compressor Station 79 68-0001/578/402

Tennessee Gas Pipeline Company, LLC (TGP) is applying for a renewal of its Title V permit TGP’s Compressor Station 79 (the Facility) located in Lobelville, Perry County, Tennessee. In order to reduce annual emission fees, TGP agrees to be bound by a permit requiring the facility to:

1. Limit emissions of particulate matter from the combustion turbines to no more than 2.13 pounds per hour (lb/hr) (combined total from Turbine Engines 1D, 2D, and 3D). Compliance with this emission limitation is assured by the combustion turbines heat input rating, the use of natural gas as fuel, and the emission factor of 6.6 E-03 lb/MMBtu from AP-42 for Chapter 3, Section 1, Stationary Gas Turbines Table 3.1-2a., Supplement to 5th Ed, 4/00.

2. Limit emissions of sulfur dioxide from the combustion turbines to no more than 20.55 pounds per hour (lb/hr) (combined total from Turbine Engines 1D, 2D, and 3D). Compliance with this emission limitation is assured by the combustion turbines heat input rating, the use of pipeline quality natural gas as fuel (with a maximum sulfur content of 20 gr/100 ft3, or 0.0688%), and the emission factor of 6.39 E-02 lb/MMBtu from AP-42 for Chapter 3, Section 1, Stationary Gas Turbines Table 3.1-2a., Supplement to 5th Ed, 4/00.

Should the facility need to increase any limit above, TGP will apply for and receive a construction permit and/or Title V modification in accordance with TAPCR 1200-03-09-.01 and/or TAPCR 1200-03-09-.02(11)(d)(1)(V) prior to making the change.

Sincerely,

Ron Bessette  
Vice-President, Operations
TITLE V PERMIT STATEMENT

Facility Name: Tennessee Gas Pipeline Company - Station 79

City: Lobelville

County: Perry

Date Application Received: July 17, 2020

Date Application Deemed Complete: July 17, 2020

Emission Source Reference No.: 68-0001

Permit No.: 578402

INTRODUCTION

This narrative is being provided to assist the reader in understanding the content of the attached Title V operating permit, and is written pursuant to Tennessee Air Pollution Control Rule 1200-3-9-.02(11)(f)1.(v). The primary purpose of the Title V operating permit is to consolidate and identify existing state and federal air requirements applicable to the above referenced facility, and to provide practical methods for assuring compliance with these requirements. This narrative is designed to accompany the Title V Operating Permit. It initially describes the facility receiving the permit, then the applicable requirements and their significance, and finally the compliance status with those applicable requirements. This narrative is intended only as an adjunct for the reviewer and has no legal standing. Any revisions made to the permit in response to comments received during the public participation process will be described in an addendum to this narrative.

Acronyms

PSD - Prevention of Significant Deterioration
NESHAP - National Emission Standards for Hazardous Air Pollutants
NSPS - New Source Performance Standards
MACT - Maximum Achievable Control Technology
NSR - New Source Review

I. Identification Information

A. Source Description

01- This source is a natural gas pipeline compressor station, consisting of three (3) natural gas-fired turbine engines and a natural gas-fired emergency generator.

B. Facility Classification

1. Attainment or Non-Attainment Area Location

   Area is designated as an attainment area for all criteria pollutants.
2. Company is located in a Class II area.

C. Regulatory Status

1. PSD/NSR
   This facility is a major source under the PSD rules.
2. Title V Major Source Status by Pollutant
   This facility is a Title V major source for potential emissions of CO and NOx.
3. MACT Standards
   This facility is not a major source of HAP, however, it is subject to Subpart ZZZZ MACT standards as an area source.
4. Program Applicability
   Are the following programs applicable to the facility?
   PSD: yes
   NESHAP: yes
   NSPS: 40 CFR 60, Subpart GG – Standards of Performance for Stationary Gas Turbines
          40 CFR 60, Subpart JJJJ – Emergency SI engines with generator

II. Compliance Information

A. Compliance Status
   The facility is currently in compliance with all applicable requirements. There are no known applicable requirements that will become effective during the permit term.

III. Other Requirements

A. Emissions Trading
   Not Applicable

B. Acid Rain Requirements
   Not Applicable

C. Prevention of Accidental Releases
   Not Applicable

D. Greenhouse Gas: This facility is a major source of GHG with greater than 100,000 tons/year of CO₂e.

IV. Public Participation Procedures

A. Notification of this draft permit was e-mailed to the following environmental agencies:

   1. EPA Region IV
V. Permit Modification and Changes since last permit (#568314)

1. Minor Modification #1 to Title V Permit #568314
   A. In a letter/application dated April 26, 2017 (received on May 4, 2017), Tennessee Gas Pipeline Company, Station 79, requested a minor permit modification for the following changes for source 68-0001-01:
      (1) Increase the operating hours for the emergency generator (D-Aux-1) to 500 hours per year (EPA default value for emergency generators) and the emergency engine is now subject to RICE NESHAPs (Part 63 Subpart ZZZZ).
      (2) Condition E4-10(MM1) has been modified to account for the increased hours of operation and added new conditions E4-11(MM1) through E4-16(MM1) for RICE NESHAPs requirements.
   B. Federal, State, and Local Review—Minor Permit Modification #1
      (1) Notification was sent by electronic mail to the following environmental agencies:
         U.S. EPA Region IV
      (2) Notification of this draft permit was mailed to the following environmental agencies:
         U.S. EPA Region IV

2. Significant Modification #1 to Title V Permit #568314
   A. In a letter/application dated February 4, 2019, Tennessee Gas Pipeline Company, Station 79, requested a significant permit modification to incorporate into Title V Permit #568314 the changes made to one of the three turbines (source 68-0001-01, Unit 2D) to replace a damaged core. The change was previously authorized by construction permit #972956.
   B. The permit cover page was updated with the most recent version.
   C. The permit “shell” (Sections A through D) was updated with the most recent version.
   D. Condition E1 was updated with the most recent version, new fee emissions values and new annual accounting period dates.
   E. Condition E2 was updated with additional reporting requirements.
   F. Condition E3-5(SM1) was updated with the addition of two emergency generators that were formerly permitted sources as insignificant activities.
   G. New standard Conditions E3-7(SM1) through E3-14(SM1) were added to the permit.
   H. Former Condition E4-1 was moved to Condition E3-15(SM1) and no longer includes the two emergency generators that are now designated as insignificant.
   I. Added new Condition E4-1(SM1) to state the design capacity of the turbine engines in Source 01.
   J. Modified Conditions E4-2(SM1) through E4-6(SM1) to incorporate requirements of construction permit #972956.
   K. Conditions E4-8(SM1) through E4-9(SM1) were updated for consistency with similar Permits #576206, 572602, and 571462.
   L. Conditions E5-1 through E5-12 were removed from the permit, the T-Aux-1 and T-Aux-2 emergency engines with generators have been designated as insignificant emission units and the requirements for these engines are covered under Condition D14 of the permit.
### RESPONSE TO COMMENTS

#### General Information

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#### For Public Hearing

| Hearing Officer: | None (no hearing requested) |
| Division of Air Pollution Control Representatives: | None (no hearing requested) |
| Other Divisions: | None (no hearing requested) |
| Those making oral testimony for the record: | None (no hearing requested) |
| Public: | None (no hearing requested) |
| Industry: | None (no hearing requested) |
| Tennessee Division of Air Pollution Control | None (no hearing requested) |

#### Summary of comments

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EPA had no comments on the Draft/Proposed Significant Modification #1 to Title V Permit #568314. The final Significant Modification was issued on October 28, 2019.
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