Florim USA, Inc. 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 Florim USA, Inc. with a site address of 300 International Blvd., Clarksville, TN 37040. They have applied for renewal of their existing major source (Title V) operating permit for their Ceramic Tiles Manufacturing 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:

Nashville Environmental Field Office and Tennessee Department of Environment and Conservation Division of Air Pollution Control
711 R. S. Gass Blvd. William R. Snodgrass Tennessee Tower
Nashville, TN 37216 312 Rosa L. Parks Avenue, 15th Floor
APC.NashEFO@tn.gov Air.pollution.control@tn.gov

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

http://www.tn.gov/environment/topic/ppo-air

Questions concerning the source(s) may be addressed to Younes Aleali at (615) 532-0541 or by e-mail at younes.Aleali@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 May 6, 2022. 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 your comments electronically 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.
Air Pollution Control DATE: April 5, 2022
Assigned to – Younes Aleali
STATE OF TENNESSEE
AIR POLLUTION CONTROL BOARD
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
NASHVILLE, TENNESSEE 37243

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. The permittee has been granted permission to operate an air contaminant source in accordance with emissions limitations and monitoring requirements set forth herein.

Date Issued: TBD                               Permit Number: 578675
Date Expires: TBD

Issued To: Florim USA, Inc.                     Installation Address: 300 International Blvd.
                                                       Clarksville

Installation Description:
Manufacturing of Ceramic Tiles
02 - Raw Material Storage, Body Preparation 1, Body Preparation 2, and Two Spray Dryers
04 - Tile Presses #1, #2, #3, #4, #26, #27, #28, and Press Loading Operation
05 - Glaze Batching Operation
08 - Glaze Lines #1, #2, #3, #26, #27, #28 and Seven Ink Jet Printers
30 - Tile Kilns #1 and #22
39 – Dry Cutting and Polishing Lines #1, #2, and #3
40 – Scrap Fired Tile Crushing and Handling with a Baghouse
     40 CFR Part 63 NESHAP Subpart RRRRRR
     40 CFR Part 60 NSPS Subpart UUU
42 – Tile Kiln #23

Facility ID: 63-0135                             Primary SIC: 3253

Renewal Application Due Date: TBD

Information Relied Upon:
Title V Renewal applications dated November 10, 2020, and October 20, 2021

TECHNICAL SECRETARY

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
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**ATTACHMENT 2** Fee schedule | 2 page |

**ATTACHMENT 3** The permittee’s agreement letters: November 10, 2020, July 14, 2021, and February 7, 2022 | 7 pages |

**ATTACHMENT 4** Division’s acknowledgment letter dated September 6, 2017 (Performance Test Conducted on Dryer #4) | 1 page |

**ATTACHMENT 5** The log of the baghouses pressure drop readings | 1 page |
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)
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 Tennessee Air Pollution Control Regulations sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.
"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 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 Tennessee Air Pollution Control Regulations 1200-03-09-.03(1) and Tennessee Air Pollution Control Regulations 1200-03-15-.03.

A16. Construction permit required. Except as exempted in Tennessee Air Pollution Control Regulations 1200-03-09-.04, or excluded in subparagraph Tennessee Air Pollution Control Regulations 1200-03-02-.01(1)(aa) or subparagraph Tennessee Air Pollution Control Regulations 1200-03-02-.01(1)(cc), this facility shall not begin the construction of a new air contaminant source or the modification of an existing 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. 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)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 specified in the permit 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 methods 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 Environment 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.

TAPCR 1200-03-09-.02(11)(e)7

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 Tennessee Air Pollution Control Regulations 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 Tennessee Air Pollution Control Regulations 1200-03-09-.02(11)(e)6 for such revisions made pursuant to item (c) of this condition which meet the relevant requirements of Tennessee Air Pollution Control Regulations 1200-03-09-.02(11)(e), Tennessee Air Pollution Control Regulations 1200-03-09-.02(11)(f) and Tennessee Air Pollution Control Regulations 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 Tennessee Air Pollution Control Regulations 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 Tennessee Air Pollution Control Regulations 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 Tennessee Air Pollution Control Regulations 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 Tennessee Air Pollution Control Regulations 1200-03-09-.02(11)(f)4 or the significant modification route of Tennessee Air Pollution Control Regulations 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 Tennessee Air Pollution Control Regulations 1200-03-09-.02(11)(f)5(ii) or group processing of minor modifications under the provisions of Tennessee Air Pollution Control Regulations 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 Tennessee Air Pollution Control Regulations 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 Tennessee Air Pollution Control Regulations Chapter 1200-03-20, any allowance may be made for visible emissions in excess of that permitted under Tennessee Air Pollution Control Regulations 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.

Tennessee Air Pollution Control Regulations 1200-03-05-.01(1), 1200-03-05-.03(6) and 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 Tennessee Air Pollution Control Regulations 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 Tennessee Air Pollution Control Regulations 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 Tennessee Air Pollution Control Regulations 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.
D8. **Open burning.** The permittee shall comply with the Tennessee Air Pollution Control Regulations 1200-03-04 for all open burning activities at the facility.

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

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 Tennessee Air Pollution Control Regulations 1200-03-09-.02(11)(e)(3)(i) and 1200-03-10-.04(2)(b)1 and compliance requirements of Tennessee Air Pollution Control Regulations 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 Tennessee Air Pollution Control Regulations 0400-30-38 for all emission sources subject to a requirement contained therein.

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

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

D14. **Internal Combustion Engines.**

(a) All stationary reciprocating internal combustion engines, including engines deemed insignificant activities and insignificant emission units, shall comply with the applicable provisions of Tennessee Air Pollution Control Regulations 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 Tennessee Air Pollution Control Regulations 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 Tennessee Air Pollution Control Regulations 0400-30-39-.02.
SECTION E
SOURCE SPECIFIC EMISSION STANDARDS, OPERATING LIMITATIONS, and MONITORING, RECORDKEEPING and REPORTING REQUIREMENTS

63-0135 Facility Description: This facility manufactures ceramic tile. Its operations include the following: Raw material processing, handling and storage; Spray drying; Tile preparation; and Kiln processing.

Conditions E1 through E3-19 apply to all sources in Section E of this permit unless otherwise noted.

E1. Fee payment

FEE EMISSIONS SUMMARY TABLE FOR MAJOR SOURCE 63-0135

<table>
<thead>
<tr>
<th>REGULATED POLLUTANTS</th>
<th>ALLOWABLE EMISSIONS (tons per AAP)</th>
<th>ACTUAL EMISSIONS (tons per AAP)</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
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<td>103.09</td>
<td>AEAR</td>
<td>Includes all fee emissions.</td>
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<td>N/A</td>
<td>N/A</td>
</tr>
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<tr>
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<td>NO\textsubscript{x}</td>
<td>89.53</td>
<td>AEAR</td>
<td>Includes all fee emissions.</td>
</tr>
</tbody>
</table>

CATEGORY OF MISCELLANEOUS HAZARDOUS AIR POLLUTANTS (HAPs WITHOUT A STANDARD)*

| VOC FAMILY GROUP | AEAR | Fee emissions are included in VOC above. |
| NON-VOC GASEOUS GROUP | 7.38 | AEAR | Fee emissions are not included above (Hydrogen Fluoride and Hydrogen Chloride) |
| PM FAMILY GROUP | AEAR | Fee emissions are included in PM above. |

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

| VOC FAMILY GROUP | AEAR |
| NON-VOC GASEOUS GROUP | AEAR | NESHAP 40 CFR Part RRRRRR does not have a non-VOC standard |
| PM FAMILY GROUP | AEAR |

CATEGORY OF NSPS POLLUTANTS NOT LISTED ABOVE***

| EACH NSPS POLLUTANT NOT LISTED ABOVE | AEAR | List the appropriate Standard. Fee emissions are not included above. |

NOTES

AAP The Annual Accounting Period (AAP) is a twelve (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 this 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 Tennessee Air Pollution Control regulations.

** 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 Tennessee Air Pollution Control Regulations.

*** 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 Tennessee Air Pollution Control Regulations.

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 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 fifteen (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. 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. 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 fifteen (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 Conservation and The Tennessee Department of Environment and Conservation
Division of Fiscal Services Division of Air Pollution Control
Consolidated Fee Section – APC Tennessee Permit Program
William R. Snodgrass Tennessee Tower, 10th Floor William R. Snodgrass Tennessee Tower, 15th Floor
312 Rosa L. Parks Avenue 312 Rosa L. Parks Avenue
Nashville, Tennessee 37243 Nashville, Tennessee 37243

or

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

TAPCR 1200-03-26-.02 (3) and (9), and 1200-03-09-.02(11)(c)(vii)

E2. Reporting requirements

(a) **Semiannual reports.** Semiannual reports shall cover the six-month periods from **April 1 to September 30** and **October 1 to March 31** 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</th>
<th>Semiannual Report Period begins</th>
<th>Semiannual Report Period ends</th>
</tr>
</thead>
<tbody>
<tr>
<td>570069 (existing)</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>578675 (renewal)</td>
<td>TBD</td>
<td>TBD</td>
</tr>
</tbody>
</table>

These semiannual reports shall include:

(1) Any monitoring and recordkeeping required by Conditions E4-2, E4-6, E4-11, E5-1, E6-1, E7-1, E7-2, E9-1, E9-4, E9-5, E9-15, E11-1, E12-1, and E13-4 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 Conditions E3-1, E4-3, E4-11, E5-2, E6-2, E7-3, E9-12, E11-2, E12-2 and E13-12 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 terms 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 crossreference 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 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 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 October 1 to September 30 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</th>
<th>Annual Compliance Certification Period begins</th>
<th>Annual Compliance Certification Report Period ends</th>
</tr>
</thead>
<tbody>
<tr>
<td>570069 (existing)</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>578675 (renewal)</td>
<td>TBD</td>
<td>TBD</td>
</tr>
</tbody>
</table>

These certifications shall be submitted to: TN APCD and EPA

The Tennessee Department of Environment and Conservation
Nashville Environmental Field Office
Division of Air Pollution Control

and

Air Enforcement Branch
US EPA Region IV
61 Forsyth Street, SW
Atlanta, GA 30303
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) **NESHAP Subpart RRRRRR, and NSPS Subpart UUU Reporting Requirements**: Semiannual reports shall cover the six-month periods from **April 1 to September 30** and **October 1 to March 31** 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</th>
<th>NESHAP Report Period begins</th>
<th>NSPS Report Period ends</th>
</tr>
</thead>
<tbody>
<tr>
<td>570069 (existing)</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>577485 (renewal)</td>
<td>TBD</td>
<td>TBD</td>
</tr>
</tbody>
</table>

These NSPS / NESHAP reports shall include:

1. Any monitoring and recordkeeping required by Conditions **E3-11, E3-12, E3-13, E3-14, E3-15, E3-16, and E3-17** 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. Identification of all instances of deviations from Conditions **E3-11, E3-12, E3-13, E3-14, E3-15, E3-16, and E3-17** of this permit.

(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**

These reports must be certified by a responsible official consistent with condition B4 of this permit and shall be submitted to the Nashville Central Office at the address below. In lieu of mailing a hard copy of the report, the permittee may submit an electronic copy of the report to the email address below.

<table>
<thead>
<tr>
<th>Tennessee Division of Air Pollution Control</th>
<th>or</th>
<th><a href="mailto:Air.Pollution.Control@tn.gov">Air.Pollution.Control@tn.gov</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>William R. Snodgrass Tennessee Tower</td>
<td></td>
<td></td>
</tr>
<tr>
<td>312 Rosa L. Parks Avenue, 15th Floor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nashville, Tennessee 37243</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TAPCR 1200-03-09-.02(11)(e)1.(iii)**
Section I: The following conditions shall apply to all sections of this permit unless otherwise noted.

E3. General Permit Requirements

E3-1. Unless otherwise specified, visible emissions from sources at this facility shall not exhibit greater than 20% opacity, except for one (1) six-minute period in any one (1) hour period, and for no more than four (4) six-minute periods in any twenty-four (24) hour period. Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average).

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

Compliance Method: The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996, and amended on September 11, 2013, that is enclosed as Attachment 1.

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 requirements.

E3-2. Identification of Responsible Official, Technical Contact, and Billing Contact of the permitted facility:

a) The applications that were utilized in the preparation of this permit are dated November 10, 2020, October 20, 2021, and are signed by Responsible Official, Michele Agazzi, Chief Manufacturing Officer 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 TAPCR, 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 applications that were utilized in the preparation of this permit are dated November 10, 2020, and October 20, 2021, and identify Don Haynes, 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 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 applications that were utilized in the preparation of this permit are dated November 10, 2020, and October 20, 2021, and identify Don Haynes, as the Billing 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 days of the change. The notification shall include the name and title of the new Principal Technical Contact and certification of truth and accuracy.

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

E3-3. Material purchase order requirement

Invoices or purchase records for all production-related volatile organic compound (VOC) and hazardous air pollutant (HAP) containing materials, and safety data sheets (SDS) or other supplier documentation that explicitly lists the VOC and/or HAP content by weight, must be maintained 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 years.

TAPCR 1200-03-10-.04(2)
Compliance Method: Compliance with this condition shall be demonstrated by maintaining the required records as described in Condition E3-4.

E3-4. 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. 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)

Compliance Method: Maintain the recordkeeping schedule as required.

E3-5. 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.

E3-6. The source(s) controlled by the air pollution control device(s) shall not operate unless the control device(s) is in operation. In the event a malfunction/failure of a control device(s) occurs, the operation of the process(es) controlled by the control device(s) shall be regulated by the provisions of Chapter 1200-03-20 of the TAPCR.

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

E3-7. Fugitive Dust Restrictions

Fugitive emissions from this facility shall be controlled as specified in Rule 1200-03-08-.01. Specifically, no person shall 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. Fugitive emissions from this source shall be determined by Tennessee Visible Emissions Evaluation Method 4 as adopted by the Tennessee Air Pollution Control Board on April 16, 1986.

TAPCR 1200-03-08-.01(2)

E3-8. 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.

E3-9. Pursuant to 1200-3-10-.04(2)(a)2. of TAPCR, gauges, indicators, and similar devices used to measure and conduct parametric monitoring of control equipment must maintain an operational availability of at least 95%. Logs and records to substantiate such
operational availability must be kept and such records shall be made available to the Technical Secretary or a Division representative upon request.

E3-10. Carbon monoxide (CO) emitted from the entire facility shall not exceed 240.0 tons during all intervals of 12 consecutive months. TAPCR 1200-03-07-.01(5), agreement letter dated April 1, 2014, from the permittee

**Compliance Method:** Compliance with Conditions E4-9, E9-8, and E13-8 shall be deemed compliance with Condition E3-10.

E3-11. The maximum emission rate from the entire facility for any single hazardous air pollutant (HAP), listed pursuant to Section 112(b) of the Federal Act, shall not exceed 9.9 tons per year. Total emissions of all HAPs from the entire facility shall not exceed 24.9 tons per year. In the event that the emission rates from the entire facility exceed these limits, the permittee shall provide written notification of the exceedance(s) to the Technical Secretary within fifteen (15) days from the date of discovery. TAPCR 1200-03-07-.01(5) and agreement letter dated September 17, 2013, from the permittee

**Compliance Method:** Compliance with Conditions E9-9, E9-10, E9-11, E13-9, E13-10, and E13-11 shall be deemed compliance with these emissions limitations.

E3-12. This facility (63-0135) is subject to the National Emission Standards for Hazardous Air Pollutants for Clay Ceramics Manufacturing Area Sources (40 CFR Part 63, Subpart RRRRRR). Conditions E3-13 through E3-19 state the applicable requirements.

E3-13. Pursuant to 40 CFR §63.11438(a), for each kiln that fires glazed ceramic ware, the permittee must maintain the peak temperature below 1540 °C (2800 °F) and comply with one of the management practices in paragraphs (1) and (2) of this condition:

1. Use natural gas, or equivalent clean-burning fuel, as the kiln fuel; or
2. Use an electric-powered kiln.

E3-14. Pursuant to 40 CFR §63.11438(b), the permittee must maintain annual wet glaze usage records for the entire facility. Pursuant to 40 CFR §63.11438(e), surface applications (e.g., wet glazes) containing less than 0.1 (weight) percent clay ceramics metal HAP do not have to be considered in determination of the 227 Mg/yr (250 tpy) threshold for wet glaze usage.

Pursuant to 40 CFR §63.11438(c), for each atomized glaze spray booth located at a clay ceramics manufacturing facility that uses more than 227 Mg/yr (250 tpy) of wet glaze(s), the permittee must comply with the equipment standard requirements in paragraph (c)(1) of this condition or the management practice in paragraph (c)(2) of this condition.

1. Control the emissions from the atomized glaze spray booth with an air pollution control device (APCD), as defined below.
   (i) Operate and maintain the APCD in accordance with the equipment manufacturer's specifications; and
   (ii) Monitor the APCD according to the applicable requirements in **Condition E3-14**.
2. Alternatively, use wet glazes containing less than 0.1 (weight) percent clay ceramics metal HAP.

Pursuant to 40 CFR §63.11438(d), for each atomized glaze spray booth located at a clay ceramics manufacturing facility that uses 227 Mg/yr (250 tpy) or less of wet glaze(s), the permittee must comply with one of the management practices or equipment standards in paragraphs (d)(1) and (2) of this condition.

1. Employ waste minimization practices, as defined below; or
2. Alternatively, comply with the equipment standard requirements described in paragraph 40 CFR §63.11438(c)(1) or the management practice described in paragraph 40 CFR §63.11438(c)(2).

Pursuant to 40 CFR §63.11444, an air pollution control device (APCD) means any equipment that reduces the quantity of a pollutant that is emitted to the air. Examples of APCD currently used on glaze spray booths include, but are not limited to, wet scrubbers, fabric filters, water curtains, and water-wash systems. Pursuant to 40 CFR §63.11444, waste minimization practices mean those procedures employed to minimize material losses and prevent unnecessary waste generation, for example, minimizing glaze overspray emissions using HVLP spray equipment (defined in this section) or similar spray equipment;
minimizing HAP emissions during cleanup of spray glazing equipment; operating and maintaining spray glazing equipment according to manufacturer's instructions; and minimizing spills through careful handling of HAP-containing glaze materials. Pursuant to 40 CFR §63.11444, high-volume, low-pressure (HVLP) spray equipment means a type of air atomized spray equipment that operates at low atomizing air pressure (0.1 to 10 pounds per square inch (psi) at the air nozzle) and uses 15 to 30 cubic feet per minute (cfm) of air to minimize the amount of overspray and bounce back.

**E3-15.** Pursuant to 40 CFR §63.11440(a), for each kiln firing glazed ceramic ware, the permittee must conduct a daily check of the peak firing temperature. If the peak temperature exceeds 1540 °C (2800 °F), the permittee must take corrective action according to the permittee’s standard operating procedures.

**E3-16.** Pursuant to 40 CFR §63.11440(b), for each existing or new atomized glaze spray booth equipped with an APCD, the permittee must demonstrate compliance by conducting the monitoring activities in paragraph (1) and either paragraph (2) or (3) of this condition:

1. **Initial control device inspection.** The permittee must conduct an initial inspection of each particulate matter (PM) control device according to the requirements in paragraphs (1)(i) or (ii) of this condition. The permittee must conduct each inspection no later than 60 days after your applicable compliance date for each installed control device which has been operated within 60 days of the compliance date. For an installed control device which has not been operated within 60 days of the compliance date, the permittee must conduct an initial inspection prior to startup of the control device.
   
   (i) For each wet control system, the permittee must verify the presence of water flow to the control equipment. The permittee must also visually inspect the system ductwork and control equipment for leaks and inspect the interior of the control equipment (if applicable) for structural integrity and the condition of the control system. An initial inspection of the internal components of a wet control system is not required if an inspection has been performed within the past 12 months.
   
   (ii) For each baghouse, the permittee must visually inspect the system ductwork and baghouse unit for leaks. The permittee must also inspect the inside of each baghouse for structural integrity and fabric filter condition. The permittee must record the results of the inspection and any maintenance action as required in Condition E3-16. An initial inspection of the internal components of a baghouse is not required if an inspection has been performed within the past 12 months.

2. **Periodic inspections/maintenance.** Except as provided in paragraph (3) of this condition, the permittee must perform periodic inspections and maintenance of each PM control device following the initial inspection according to the requirements in paragraphs (2)(i) or (ii) of this condition.

   (i) The permittee must inspect and maintain each wet control system according to the requirements in paragraphs (2)(i)(A) through (C) of this condition.
   
   (A) The permittee must conduct a daily inspection to verify the presence of water flow to the wet control system.
   
   (B) The permittee must conduct weekly visual inspections of the system ductwork and control equipment for leaks.
   
   (C) The permittee must conduct inspections of the interior of the wet control system (if applicable) to determine the structural integrity and condition of the control equipment every 12 months.

   (ii) The permittee must inspect and maintain each baghouse according to the requirements in paragraphs (2)(ii)(A) and (B) of this condition.
   
   (A) The permittee must conduct weekly visual inspections of the system ductwork for leaks.
   
   (B) The permittee must conduct inspections of the interior of the baghouse for structural integrity and to determine the condition of the fabric filter every 12 months.

3. As an alternative to the monitoring activities in paragraph (2) of this condition, the permittee may demonstrate compliance by:
   
   (i) Conducting a daily 30-minute visible emissions (VE) test (i.e., no visible emissions) using EPA Method 22 (40 CFR part 60, appendix A-7); or
   
   (ii) Using an approved alternative monitoring technique under 40 CFR §63.8(f).
**E3-17.** Pursuant to 40 CFR §63.11440(c), if the results of the visual inspection, VE test, or alternative monitoring technique conducted under **Condition E3-14** indicate an exceedance, the permittee must take corrective action according to the equipment manufacturer’s specifications or instructions.

**E3-18.** Pursuant to 40 CFR §63.11440(d), the permittee must maintain records of the permittee’s monitoring activities described in **Conditions E3-13, E3-14, and E3-15.** The permittee may use the facility’s existing operating permit documentation to meet the monitoring requirements if it includes, but is not limited to, the monitoring records listed in paragraphs (1) through (5) of this condition related to any kiln peak temperature checks, visual inspections, VE tests, or alternative monitoring:

1. The date, place, and time;
2. Person conducting the activity;
3. Technique or method used;
4. Operating conditions during the activity; and
5. Results.

**E3-19.** Pursuant to 40 CFR §63.11442(a), the permittee must keep the records specified in paragraphs (1) and (2) of this condition.

1. A copy of each notification that was submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that was submitted, according to the requirements in 40 CFR §63.10(b)(2)(xiv).
2. Records of all required measurements needed to document compliance with management practices as required in 40 CFR §63.10(b)(2)(vii), including records of monitoring and inspection data required by **Conditions E3-13, E3-14, E3-15, and E3-16.**

Pursuant to 40 CFR §63.11442(b), the records must be in a form suitable and readily available for expeditious review, according to 40 CFR §63.10(b)(1). Pursuant to 40 CFR §63.11442(c), as specified in 40 CFR §63.10(b)(1), the permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. Pursuant to 40 CFR §63.11442(d), the permittee must keep each record onsite for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR §63.10(b)(1). The permittee may keep the records offsite for the remaining three years.

**E3-20. Insignificant activities**

The following listed insignificant activities are submitted by the permittee. Per TAPCR 1200-03-09-.04(5), additional insignificant activities may be added and operated at any time with the provision that a written notification shall be submitted to the Technical Secretary including an updated APC 1 application form along with a truth, accuracy, and completeness statement signed by a responsible official. The permit may be updated to include additional insignificant sources by means of an administrative amendment, if necessary.

<table>
<thead>
<tr>
<th>Activity</th>
<th>ESRN</th>
<th>Exempt Under TAPCR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency diesel-fired water pump engine generator – Cummins – Model No. V-504-F2 – 187 Horsepower (Hp)</td>
<td>N/A</td>
<td>1200-03-09-.04(5)(f)37</td>
</tr>
<tr>
<td>Emergency diesel-fired water pump engine generator – Cummins – Model No. V-504-F2 – 187 Horsepower (Hp)</td>
<td>N/A</td>
<td>1200-03-09-.04(5)(f)37</td>
</tr>
<tr>
<td>Seven Tile Dryers</td>
<td>N/A</td>
<td>1200-03-09-.04(5)(a)4(i)</td>
</tr>
<tr>
<td>Three Bocedi Shrink Wrappers</td>
<td>N/A</td>
<td>1200-03-09-.04(5)(a)4(i)</td>
</tr>
</tbody>
</table>
Source Specific Emission Standards:

**63-0135-02 Raw Material Storage, Body Preparation 1, Body Preparation 2, Two Spray Dryers**

Raw materials are stored indoors in concrete walled bays, are delivered via truck and are loaded into process hoppers by means of a rubber tired loader. The incoming material is generally coarse with some retained moisture preventing the material from becoming airborne. Water is used to wet the piles and travel areas as needed to prevent the generation of airborne dust primarily during extended hot, dry periods. Body preparation consists, in part, of wet ball mills, belt conveyor transitions, and prill storage silos. The various dry materials that make up the body of the tile are loaded into ball mills with water to be ground to size and thoroughly mixed. The resultant slurry is referred to as slip. Two baghouses are used for control in body preparation 1 and body preparation 2. The final production step in body preparation is spray drying where slip is pumped through high pressure nozzles and atomized into the spray dryer chamber in a direction countercurrent to the flow of hot air from a duct burner. This causes rapid desiccation of the slip resulting in a dried, coarse powder referred to as prill. The prill stored in silos and then moved to the presses via belt conveyors. Spray Dryers 4 and 5 are controlled by individual fabric filters. The spray dryers are subject to 40 CFR 60, Subpart UUU (NSPS).

Conditions E4-1 through E4-11 apply to source 63-0135-02

**Raw Material Storage, Body Preparation Area 1, and Body Preparation Area 2.** Conditions E4-1 through E4-3 apply to Raw Material Storage, Body Preparation Area 1, and Body Preparation Area 2

**E4-1.** Wet suppression must be applied to the indoor bins in the raw material storage building as necessary to comply with the standards in this permit. The wet suppression system shall be maintained in good working condition in order to provide sufficient water pressure and water flow to effectively control fugitive emissions.

TAPCR 1200-03-09-.03(8) and 1200-03-10-.02(2)(a)

**E4-2.** Particulate matter (PM) emitted from this source shall not exceed the following limits: (See Attachment 3)

<table>
<thead>
<tr>
<th>Source Description</th>
<th>Particulate Matter Emission Limit</th>
<th>Basis for Emission Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Existing Raw Material Storage.</td>
<td>0.002 gr/dscf and 0.5 lb/hr</td>
<td>Agreement Letter dated November 10, 2020 TAPCR 1200-03-07-.01(5)</td>
</tr>
<tr>
<td>Body Preparation Area 1</td>
<td>0.012 gr/dscf (4.0 lb/hr)</td>
<td>Agreement Letter dated November 10, 2020 TAPCR 1200-03-07-.01(5)</td>
</tr>
<tr>
<td>Body Preparation Area 2</td>
<td>0.012 gr/dscf (4.0 lb/hr)</td>
<td>Agreement Letter dated November 10, 2020 TAPCR 1200-03-07-.01(5)</td>
</tr>
</tbody>
</table>

TAPCR 1200-03-07-.01(5), and agreement letter dated November 10, 2020 (See Attachment 3) and based on the performance test by Alliance Source Testing, LLC Conducted on September 21 – 25, 2020. (See Attachment 4)

**Compliance Method:** The permittee shall assure compliance with the particulate matter emission limitations by maintaining the pressure drop across each baghouse equal to or greater than the values listed in the table below:

<table>
<thead>
<tr>
<th>Baghouse Identification (source controlled by baghouse)</th>
<th>Minimum Pressure Drop (Inches of water)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Raw Material Storage Building</td>
<td>2.2</td>
</tr>
<tr>
<td>Body Preparation Area 1</td>
<td>2.3</td>
</tr>
<tr>
<td>Body Preparation Area 2</td>
<td>2.3</td>
</tr>
</tbody>
</table>

The pressure drop for each baghouse shall be recorded in the log provided in (Attachment 5, or an alternative format that provide the same information) once daily when the source is in operation. The days when the source does not
operate shall be noted. For lower pressure drop reading(s) resulting from replacement of bags, the permittee shall record the deviation(s) as such in their daily records. Due allowance will be made for lower pressure drop reading(s) which follow replacement of bags provided the permittee establishes to the satisfaction of the Technical Secretary that these lower readings resulted from the replacement of bags. (See Attachment 5)

E4-3. Visible emissions from the raw material baghouse and body preparation operations baghouses shall not exhibit greater 10% opacity, except for one (1) six-minute period in any one (1) hour period, and for no more than four (4) six-minute periods in any twenty-four (24) hour period. Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average).

TAPCR 1200-03-05-.03(6), TAPCR 1200-03-05-.01(3), and agreement letter dated November 10, 2020, from the permittee (See Attachment 3)

Compliance Method: The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 and amended September 11, 2013 that is enclosed as Attachment 1.

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 requirements.

### Spray Dryers 4 and 5

Conditions E4-4 through E4-11 apply to Spray Dryers 4 and 5

E4-4. Spray Dryer 4 shall not exceed a maximum heat input capacity of 45.60 million BTU per hour. Spray Dryer 5 shall not exceed a maximum heat input capacity of 29.70 million BTU per hour.

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

Compliance Method: The permittee must keep a log of the daily natural gas usage that readily assures compliance with Condition E4-4. This log must be maintained at the source location and kept available for inspection by a representative of the Division. This log shall be kept for a period of not less than five years. If the permittee wishes to increase the heat input capacities, the permittee shall pursue the appropriate Title V procedure in accordance with 1200-03-09-.02(11) of the TAPCR. If a construction permit is applied for, this shall be done in accordance with 1200-03-09-.01(1) of the TAPCR.

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

E4-5. Only natural gas shall be used as fuels for Spray Dryers 4 and 5.

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

Compliance Method: The permittee shall maintain documentation to demonstrate that natural gas is the only fuel combusted in these dryers. Documentation may include, but is not limited to, purchase records or design specifications for the spray dryer units. If the permittee wishes to change or modify the type of fuel combusted for these spray dryers, a construction permit shall be applied for and received in accordance with TAPCR 1200-03-09-.01(1) prior to making the change.

E4-6. Particulate matter (PM) emitted from Spray Dryer 4 shall not exceed 0.0045 grain per dry standard cubic foot of exhaust gas (1.54 pounds per hour). Particulate matter (PM) from Spray Dryer 5 shall not exceed 0.0005 grain per dry standard cubic foot of exhaust gas (1.5 pounds per hour). §60.732(a) and 1200-03-09-.03(8).

These limits are more restrictive than the NSPS Subpart UUU particulate limit of 0.025 grains per dry standard cubic foot set forth – 40 CFR 60.732(a).

TAPCR 1200-03-07-.01(5) agreement letter dated November 10, 2020 (See Attachment 3) and based on the performance test by Alliance Source Testing, LLC Conducted on September 21 – 25, 2020. (See Attachment 4)
Compliance Methods:

**Spray Dryer 4**
The permittee shall assure compliance with the particulate matter emission limitation by keeping the pressure drop across the baghouse equal to or above 1.5 inches of water.

Spray Dryer 4 shall not operate without the use of an air pollution fabric filter except in accordance with TAPC Rule 1200-03-20. The permittee shall assure compliance with the particulate matter emission limitation by keeping the pressure drop across the baghouse equal to or above the specified pressure drop in inches of water. The pressure drop for the baghouse shall be recorded once daily. The pressure drop for the baghouse shall be recorded in the log provided in Attachment 5, or an alternative format that provide the same information) once daily when the source is in operation when the source is in operation. The days when the source does not operate shall be noted. For lower pressure drop reading(s) resulting from replacement of bags, the permittee shall record the deviation(s) as such in their daily records. Due allowance will be made for lower pressure drop reading(s) which follow replacement of bags provided the permittee establishes to the satisfaction of the Technical Secretary that these lower readings resulted from the replacement of bags. (See Attachment 5)

**Spray Dryer 5**
The permittee shall assure compliance with the particulate matter emission limitation by keeping the pressure drop across the baghouse equal to or above 0.81 inches of water.

Spray Dryer 5 shall not operate without the use of an air pollution fabric filter except in accordance with TAPC Rule 1200-03-20. The permittee shall assure compliance with the particulate matter emission limitation by keeping the pressure drop across the baghouse equal to or above the specified pressure drop in inches of water. The pressure drop for the baghouse shall be recorded in the log provided in Attachment 5, or an alternative format that provide the same information) once daily when the source is in operation. The days when the source does not operate shall be noted. For lower pressure drop reading(s) resulting from replacement of bags, the permittee shall record the deviation(s) as such in their daily records. Due allowance will be made for lower pressure drop reading(s) which follow replacement of bags provided the permittee establishes to the satisfaction of the Technical Secretary that these lower readings resulted from the replacement of bags. (See Attachment 5)

**Compliance Method:** The permittee shall assure compliance with the particulate matter emission limitation by maintaining the pressure drop across each baghouse equal to or greater than the values listed in the table below:

<table>
<thead>
<tr>
<th>Baghouse Identification (sources controlled by baghouse)</th>
<th>Minimum Pressure Drop (Inches of water)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray Dryer 4</td>
<td>1.5</td>
</tr>
<tr>
<td>Spray Dryer 5</td>
<td>0.81</td>
</tr>
</tbody>
</table>

The pressure drop for each baghouse shall be recorded in the log in (Attachment 5, or an alternative format that provide the same information) once daily when the source is in operation. The days when the source does not operate shall be noted. For lower pressure drop reading(s) resulting from replacement of bags, the permittee shall record the deviation(s) as such in their daily records. Due allowance will be made for lower pressure drop reading(s) which follow replacement of bags provided the permittee establishes to the satisfaction of the Technical Secretary that these lower readings resulted from the replacement of bags. (See Attachment 5)

**E4-7.** Sulfur dioxide emitted from Spray Dryer 4 shall not exceed 0.12 tons during all intervals of 12 consecutive months. Sulfur dioxide emitted from Spray Dryer 5 shall not exceed 0.08 tons during all intervals of 12 consecutive months.

**TAPCR 1200-03-14-.03(5)**

**Compliance Method:** The potential to emit sulfur dioxide from this source is less than five tons per year. In accordance with TAPCR 1200-3-9-.04(5)(c)3 and by annual certification of compliance, the permittee shall be considered to meet the monitoring and related recordkeeping and reporting requirements of TAPCR 1200-03-09-.02(11)(e)3.(i). The permittee shall submit annually a compliance certification for sulfur dioxide from this source (63-0135-02).
E4-8. Volatile organic compounds (VOC) emitted from Spray Dryer 4 shall not exceed 2.2 tons during all intervals of 12 consecutive months. Volatile organic compounds emitted from Spray Dryer 5 shall not exceed 0.70 tons during all intervals of 12 consecutive months.

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

**Compliance Method:** The potential to emit VOC’s from this source is less than five tons per year. In accordance with TAPCR 1200-3-9-.04(5)(c)3. and by annual certification of compliance, the permittee shall be considered to meet the monitoring and related recordkeeping and reporting requirements of TAPCR 1200-03-09-.02(11)(e)3.(i). The permittee shall submit annually a compliance certification for VOC’s from this source (63-0135-02).

E4-9. Carbon monoxide (CO) emitted from Spray Dryer 4 shall not exceed 16.47 tons during all intervals of 12 consecutive months. Carbon monoxide (CO) emitted from Spray Dryer 5 shall not exceed 10.71 tons during all intervals of 12 consecutive months.

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

**Compliance Method:** The permittee shall assure compliance with this emission limitation by assuring compliance with **Condition E4-4.** Compliance with this emission limitation is based on the maximum heat input capacity of 131.0 million BTU per hour and the emission factor of 84.0 pounds of CO per million cubic feet of natural gas combusted as published in Section 1.4 of AP-42.

E4-10. Nitrogen oxides (NOx) emitted from Spray Dryer 4 shall not exceed 23.21 tons during all intervals of 12 consecutive months. Nitrogen oxides emitted from Spray Dryer 5 shall not exceed 12.75 tons during all intervals of 12 consecutive months.

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

**Compliance Method:** The permittee shall assure compliance with the emission limitations by assuring compliance with **Condition E4-4.** Compliance with the emission limitation for Spray Dryer 4 is based on the maximum heat input capacity of 45.6 million BTU per hour and the emission factor of 100 pounds of NOx per million cubic feet of natural gas combusted (4.56 lb/hr and 0.1 pounds NOx per million BTU) or the emission factor 13 pounds per 1,000 gallons propane combusted (5.3 lb/hr (vendor data) and 0.144 pounds NOx per million BTU). Compliance with the emission limitation for Spray Dryer 5 is based on the maximum heat input capacity of 29.7 million BTU per hour and the emission factor of 100 pounds of NOx per million cubic feet of natural gas combusted as published in Section 1.4 of AP-42.

The permittee shall install the lowest proven NOx emitting burners currently available from the vendor and shall work with the vendor to reduce NOx emissions from Spray Dryer 4 and Spray Dryer 5. Detail of the progress of such research for low NOx burner technology shall be submitted no later than one year from the date of issuance of this permit.

**E4-11** [Reserved - Spray dryers 2 and 3 have been removed]

**E4-12** [Reserved - Spray dryers 2 and 3 have been removed]

E4-11. Visible emissions from Spray Dryers 4 and 5 shall not exceed 10% percent opacity pursuant to the New Source Performance Standard (NSPS) 40 CFR 60, Subpart UUU, CFR §60.732(b). Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average).

TAPCR 1200-03-05-.08

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996, and amended September 13, 2013, that is enclosed as **Attachment 1.** (Note: Spray Dryers 4 and 5 are controlled by individual baghouses and are subject to an NSPS opacity standard, opacity pursuant to the New Source Performance Standard (NSPS) 40 CFR 60, Subpart UUU, CFR §60.732(b).)

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 requirements.
**Title V Permit No:** 578675  
**Expiration Date:** TBD

**63-0135-04**  
**Tile Presses #1, #2, #3, #4, #26, #27, #28, and Press Loading Operation**

Prill is delivered to the presses via a series of augers, belt conveyor and pneumatic systems. Tile is initially formed in the presses where prill is loaded into molds, and then exposed to tremendous pressure to form greenware. The unfired tiles are then transported via a conveyor to the tile dryers. Five baghouses are used for control.

**Conditions E5-1 through E5-2 apply to source 63-0135-04**

**E5-1.** Particulate matter (PM) emitted from this source (63-0135-04) shall not exceed the following limits:

TAPCR 1200-03-07-.01(5), and agreement letters dated November 10, 2020, from the permittee (See Attachment 3)

<table>
<thead>
<tr>
<th>Source</th>
<th>Particulate Matter Emission Limit</th>
<th>Basis for Emission Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tile Presses #1, #2, #3, #4, #26, #27, #28, and Press Loading Operation.</td>
<td>0.013 gr/dscf, and 4.5 lb/hr</td>
<td>TAPCR 1200-03-07-.01(5) and Agreement letter dated November 10, 2020</td>
</tr>
</tbody>
</table>

TAPCR 1200-03-07-.01(5), and agreement letter dated November 10, 2020 (See Attachment 3) and based on the performance test by Alliance Source Testing, LLC Conducted on September 21 – 25, 2020. (See Attachment 4)

**Compliance Method:** The permittee shall assure compliance with the particulate matter emission limitation by keeping the pressure drop across the baghouse equal to or above the values listed in the table below:

<table>
<thead>
<tr>
<th>Baghouse ID</th>
<th>Minimum Pressure Drop (inches of water)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Press loading</td>
<td>2.20</td>
</tr>
<tr>
<td>Presses 1, 2, 3</td>
<td>2.0</td>
</tr>
<tr>
<td>Press 4</td>
<td>0.40</td>
</tr>
<tr>
<td>Press loading for Presses 1, 2, 3</td>
<td>2.10</td>
</tr>
<tr>
<td>Presses 26, 27, 28</td>
<td>1.80</td>
</tr>
</tbody>
</table>

The pressure drop for each baghouse shall be recorded in the log provided in (Attachment 5 or in an alternative format that provide the same information) once daily when the source is in operation. The days when the source does not operate shall be noted. For lower pressure drop reading(s) resulting from replacement of bags, the permittee shall record the deviation(s) as such in their daily records. Due allowance will be made for lower pressure drop reading(s) which follow replacement of bags provided the permittee establishes to the satisfaction of the Technical Secretary that these lower readings resulted from the replacement of bags. (See Attachment 5)

**E5-2.** Visible emissions from this source (63-0135-04) shall not exhibit greater than 10% opacity, except for one (1) six-minute period in any one (1) hour period, and for no more than four (4) six-minute periods in any twenty-four (24) hour period. Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average).

TAPCR 1200-03-05-.01(3); Agreement letter dated February 2, 2016, from the permittee

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 and amended September 11, 2013 that is enclosed as Attachment 1.

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 requirements.
63-0135-05  **Glaze Batching:**
Glazes are prepared and batched for use on glazing lines. This includes mixing dry glaze powders and various colorants with water to form batches of glaze with the desired properties of color, sheen, coefficient of friction, etc. A baghouse is used for control.

Conditions E6-1 through E6-2 apply to source 63-0135-05

**E6-1.** Particulate matter (PM) emitted from this source (63-0135-05) shall not exceed 0.4 pounds per hour.

TAPCR 1200-3-7-.01(5), and agreement letter dated September 28, 2001, from the permittee

**Compliance Method:** The permittee shall assure compliance with the particulate matter emission limitation by keeping the pressure drop across the baghouse equal to or above the 1.4 inches of water. The pressure drop for the baghouse shall be recorded in the log provided in (Attachment 5 or in an alternative format that provide the same information) once daily when the source is in operation. The days when the source does not operate shall be noted. For lower pressure drop reading(s) resulting from replacement of bags, the permittee shall record the deviation(s) as such in their daily records. Due allowance will be made for lower pressure drop reading(s) which follow replacement of bags provided the permittee establishes to the satisfaction of the Technical Secretary that these lower readings resulted from the replacement of bags. (See Attachment 5)

**E6-2.** Visible emissions from this source (63-0135-05) shall not exhibit greater than 10% opacity, except for one (1) six-minute period in any one (1) hour period, and for no more than four (4) six-minute periods in any twenty-four (24) hour period. Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average).

TAPCR 1200-3-5-.01(3); agreement letter dated September 28, 2001, from the permittee

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 and amended September 11, 2013 that is enclosed as Attachment 1.

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 requirements.

63-0135-08  **Glaze Lines #1, #2, #3, #4, #26, #27, #28 and Seven Ink Jet Printers**

Greenware exits the tile dryers and enters the glaze lines where a variety of tools are employed to apply glaze and achieve the desired effects. Several glaze application methods are employed including, but not limited to, roller application, spray atomization, etc. Glazed greenware is then moved in transport racks either to intermediate storage or directly to the tile kilns. This source consists of seven glaze lines and seven ink jet printers. Two baghouses are used for control.

Conditions E7-1 through E7-3 apply to source 63-0135-08

**E7-1.** Particulate matter (PM) emitted from this source (63-0135-08) shall not exceed 0.003 gr/dscf and 1.0 pound per hour.

TAPCR 1200-03-07-.01(5) agreement Letter Dated November 10, 2020 (See Attachment 3) and Based on the performance test by Alliance Source Testing, LLC Conducted on September 21 – 25, 2020. (See Attachment 4)

**Compliance Method:** The permittee shall assure compliance with the particulate matter emission limitation by keeping the pressure drop across the baghouse equal to or above the values listed in the table below:

<table>
<thead>
<tr>
<th>Identification Number</th>
<th>Minimum Pressure Drop (inches of water)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lines 1, 2, 3, 4</td>
<td>2.0</td>
</tr>
</tbody>
</table>
Within 90 days from
March 1st, the permittee shall record the deviation(s) as such in their daily records. Due allowance will be made for lower pressure drop reading(s) which follow replacement of bags provided the permittee establishes to the satisfaction of the Technical Secretary that these lower readings resulted from the replacement of bags. (See Attachment 5)

E7-2. Volatile organic compounds (VOC’s) emitted from this source (63-0135-08) shall not exceed 30.0 tons during all intervals of 12 consecutive months. Hazardous air pollutants (HAP’s) emitted from this source shall not exceed 9.0 tons during all intervals of 12 consecutive months.

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

Compliance Method: Compliance with this emission limitation shall be assured through recordkeeping of material usage rates. Record keeping of volatile organic compounds and hazardous air pollutants for compliance for this facility shall include a log of the following information: (1) Emissions in tons of each Hazardous Air Pollutant, (2) Emissions in tons of all Hazardous Air Pollutants and (3) Emissions in tons of VOCs excluding water and/or exempt compounds for all input materials used during all intervals of 12 consecutive months. (See log below)

The as-supplied VOC content of all VOC-containing materials (all coatings, inks, adhesives, thinners, and solvents) used by this facility shall be determined from Safety Data Sheets (SDS), Certified Product Data Sheets (CPDS), or manufacturer/vendor formulation data which explicitly list the VOC content by weight. The results of these determinations shall be recorded in the following log. If new materials are used, or if material formulation is changed, the log shall be updated within 90 days from the initial date of usage of the new or altered material.

A log of information in the following format or equivalent format (along with the CPDS’s, Safety Data Sheets (SDS), and a record of purchase orders and invoices for all VOC and HAP containing materials) must be maintained at the source location.

**SOURCE 63-0135-08 -MONTHLY VOC/HAP EMISSIONS LOG**

<table>
<thead>
<tr>
<th>Material Name</th>
<th>Usage (gal/mon or lb/mon)</th>
<th>VOC Content (pounds VOC per gallon or pounds VOC per pound coating)</th>
<th>VOC Emissions (tons VOC per month)</th>
<th>HAP_p Content (pounds HAP_p per gallon)</th>
<th>HAP_p Emissions (tons HAP_p per month)</th>
<th>HAP_p Content (pounds HAP_p per gallon)</th>
<th>HAP_p Emissions (tons HAP_p per month)</th>
<th>TOTAL HAP_p Emissions (tons HAP_p thru HAP_p per month)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material_1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Material_2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Material_3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: i = 1, 2, 3,...... n = the number of different materials, and p = 1, 2, 3,...... n = the number of different hazardous air pollutants. Use columns as required for the number of different hazardous air pollutants.

**SOURCE 63-0135-08 -Consecutive 12 Month - VOC/HAP EMISSIONS LOG**

<table>
<thead>
<tr>
<th>Month, Year</th>
<th>VOC Emissions (tons VOC per month)</th>
<th>(*)VOC Emissions (tons VOC per 12 months)</th>
<th>HAP_p Emissions (tons HAP_p per 12 months)</th>
<th>(*)HAP_p Emissions (tons HAP_p per 12 months)</th>
<th>Total HAP_p Emissions (tons HAP_p thru HAP_p per 12 months)</th>
<th>(*)Total HAP_p Emissions (tons HAP_p thru HAP_p per 12 months)</th>
</tr>
</thead>
<tbody>
<tr>
<td>January, Year</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>February, Year</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>etc.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(*) The Tons per 12 Month value is the sum of the VOC (or HAP) emissions in the 11 months preceding the month just completed + the VOC (or HAP) emissions in the month just completed.

E7-3. Visible emissions from this source (63-0135-08) shall not exhibit greater than 10% opacity, except for one (1) six-minute period in any one (1) hour period, and for no more than four (4) six-minute periods in any twenty-four (24) hour period. Visible
emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average).

TAPCR 1200-03-05-.01(3); Agreement letter dated February 2, 2016, from the permittee

Compliance Method:  The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 and amended September 11, 2013 that is enclosed as Attachment 1.

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 requirements.

| 63-0135-09 | Tile Kilns #6, #7- | This source fires greenware in 2 tile kilns. There is one baghouse with sorbent-injection used for pollution control. Baghouse A49 controls Tile Kilns #6 and #7. |

This source (63-0135-09) was removed from the permit through Minor Modification #13 of previous Title V permit.

| 63-0135-30 | Tile Kilns #1 and #22 | This source fires greenware in two tile kilns. There is one sorbent-injected baghouse. |

Conditions E9-1 through E9-16 apply to source 63-0135-30

E9-1. The maximum material input rate for this source shall not exceed the amount given in the Confidential Information dated November 21, 2014, on a daily average basis.

TAPCR 1200-03-10-.04(2)

Compliance Method: The permittee shall assure compliance with this limitation by calculating the daily average material input rate. The permittee shall maintain a log of the daily material input, operating hours, and daily average material input rate.

**63-0135-30 - Daily Average Material Input Rate**

<table>
<thead>
<tr>
<th>Date</th>
<th>Material Input (lb)</th>
<th>Operating Hours (hours)</th>
<th>Daily Average Material Input Rate (lb/hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Etc.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>31</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The following equation shall be used to calculate the daily average material input rate:

\[
\text{Daily Average Material Input Rate (lb/hr)} = \frac{\text{Material Input (lb/day)}}{\text{Operating Hours (hours/day)}}
\]

E9-2. The stated design heat input capacity for Kiln #1 is 23.0 million British Thermal Units per hour (MMBtu/hr). The stated design heat input capacity for Kiln #22 is 22.6 million British Thermal Units per hour (MMBtu/hr).

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

Compliance Method: The permittee must keep a log of the daily natural gas usage that readily assures compliance with Condition E9-2. This log must be maintained at the source location and kept available for inspection by a representative of the Division. This log shall be kept for a period of not less than five years. If the permittee wishes to increase the heat input capacities, the permittee shall pursue the appropriate Title V procedure in accordance with 1200-03-09-.02(11) of the TAPCR. If a construction permit is applied for, this shall be done in accordance with 1200-03-09-.01(1) of the TAPCR.
E9-3. Only natural gas and propane shall be used as fuels for this source.

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

Compliance Method: The permittee shall maintain documentation to demonstrate that natural gas is the only fuel combusted in these kilns. Documentation may include, but is not limited to, purchase records or design specifications for the kilns units. If the permittee wishes to change or modify the type of fuel combusted for these kilns, a construction permit shall be applied for and received in accordance with TAPCR 1200-03-09-.01(1) prior to making the change.

E9-4. Particulate matter (PM) emitted from this source (63-0135-30) shall not exceed 0.4 pounds per hour and 1.75 tons during all intervals of twelve consecutive months.

TAPCR 1200-03-07-.01(5); application dated February 6, 2015, from the permittee

**Compliance Method:** The permittee shall assure compliance with this emission limitation by maintaining a baghouse pressure drop equal to or above 2.5 inches of water across the baghouse. The pressure drop for the baghouse shall be recorded in the log provided in (Attachment 5 or in an alternative format that provide the same information) once daily when the source is in operation. Days when the source is not operating shall be noted.

For lower pressure drop reading(s) resulting from replacement of bags, the permittee shall record the deviation(s) as such in their daily records. Due allowance will be made for lower pressure drop reading(s) which follow replacement of bags provided the permittee establishes to the satisfaction of the Technical Secretary that these lower readings resulted from the replacement of bags. (See Attachment 5)

E9-5. Sulfur dioxide emitted from this source (63-0135-30) shall not exceed 22.07 pounds per hour and 96.7 tons during all intervals of twelve consecutive months.

TAPCR 1200-03-14-.01(3); application dated February 6, 2015, from the permittee

**Compliance Method:** The permittee shall assure compliance with this limitation by maintaining the sorbent feed rate to the baghouse equal to or above the rate in paragraph (1) below:

(1) Sorbacal SPS (or equivalent hydrated lime sorbent) feed rate to the baghouse equal to or above 88.2 pounds per hour.

The permittee shall keep a log of the sorbent rate and manually check the sorbent feed rate to the baghouse once per day and record in the log provided in (Attachment 5 or in an alternative format that provide the same information) the values in a log. Days when the source is not operating shall be noted. The permittee shall maintain free-flowing sorbent in the feed hopper or silo and to the baghouse at all times. The permittee shall maintain the feeder setting at or above the levels listed above. The permittee shall inspect the sorbent injection system once daily and record the results of the inspection in a log. The permittee shall promptly correct any problems with the sorbent injection system. (See Attachment 5)

E9-6. Volatile organic compounds (VOC) emitted from this source (63-0135-30) shall not exceed 9.1 pounds per hour and 39.8 tons during all intervals of twelve consecutive months.

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

**Compliance Method:** Compliance with this condition is assured based on compliance with Condition E9-1, and an emission factor of 0.43 pounds of VOC per ton of ceramic product produced (from AP-42, Table 11.7-2, published July 1996).

E9-7. Nitrogen oxides (NOx) emitted from this source (63-0135-30), when burning natural gas shall not exceed 6.76 pounds per hour and 29.6 tons during all intervals of twelve consecutive months.
**Compliance Method:** This consists of a contribution of no more than **2.28** pounds per hour of NO\(_x\) from natural gas combustion and a contribution of no more than **4.48** pounds per hour of NO\(_x\) emissions from clay.

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

In order to stay below the threshold for applicability of low-NO\(_x\) requirements for fuel combustion sources, the permittee has agreed that propane shall not be burned for more than 1000 hours per calendar year.

TAPCR 1200-03-07-.01(5); agreement letter dated February 12, 2015, for hourly limit of 6.76 lb/hr.
TAPCR 1200-03-07-.01(5); application dated February 6, 2015, for annual propane usage limit.

**Compliance Method:** Compliance with this condition is assured based on compliance with **Conditions E9-1** and **E9-2**, and the following emission factors:

1. 0.32 pounds of NO\(_x\) per ton of ceramic product produced (The permittee’s submitted emission factor) and;

2. 50 pounds of NO\(_x\) per million cubic feet of natural gas combustion (AP-42 Table 1.4-1). The permittee shall assure compliance with the operating hours limitation by maintaining a log of monthly operating hours and calendar year operating hours when burning propane.

**E9-8.** Carbon monoxide (CO) emitted from this source (63-0135-30) shall not exceed **13.4** pounds per hour and **58.7** tons during all intervals of twelve consecutive months.

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

**Compliance Method:** Compliance with this condition is assured based on compliance with **Condition E9-1** and a source test performed on Kiln #1 on February 25, 2014.

**E9-9.** Hydrogen fluoride (HF) emitted from this source (63-0135-30) shall not exceed **0.50** pounds per hour and **2.20** tons during all intervals of twelve consecutive months.

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

**Compliance Method:** The permittee shall assure compliance with this limitation by the compliance method specified in **Condition E9-5**.

**E9-10.** Hydrogen chloride (HCl) emitted from this source (63-0135-30) shall not exceed **0.50** pounds per hour and **2.20** tons during all intervals of twelve consecutive months.

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

**Compliance Method:** The permittee shall assure compliance with this limitation by the compliance method specified in **Condition E9-5**.

**E9-11.** Sulfuric acid mist (H\(_2\)SO\(_4\)) emitted from this source (63-0135-30) shall not exceed **1.34** pounds per hour and **5.87** tons during all intervals of twelve consecutive months.

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

**Compliance Method:** Compliance with this condition is assured based on source test performed on a kiln in November 1998 referenced in the Title V permit application.

**E9-12.** Visible emissions from this source shall not exhibit greater than **10%** opacity, except for one (1) six-minute period in any one (1) hour period, and for no more than four (4) six-minute periods in any twenty-four (24) hour period. Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average).

TAPCR 1200-03-05-.01(3); application dated February 6, 2015, from the permittee
Compliance Method: The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 and amended September 11, 2013 that is enclosed as Attachment 1.

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 requirements.

E9-13. The Technical Secretary may require the permittee to determine the Chlorine and Fluorine content of the material input to the process.

E9-14. The exhaust gases from this source (63-0135-30) shall be discharged unobstructed vertically upwards to the ambient air from a stack with an exit diameter of 42 inches not less than 49 feet above ground level. Should this source in the future increase its emission of HF and/or HCl or revise its stack parameters, the source shall be remodeled for ambient air quality.

E9-15. This source (63-0135-30) is subject to 40 CFR Part 64-Compliance Assurance Monitoring (CAM) for hydrogen fluoride, hydrogen chloride, and sulfur dioxide.

The following table summarizes the CAM requirements:

<table>
<thead>
<tr>
<th>Monitoring Element</th>
<th>Indicator</th>
<th>Indicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indicator Range</td>
<td>Sorbent feed rate</td>
<td>Baghouse pressure drop</td>
</tr>
<tr>
<td>Measurement Approach</td>
<td>The permittee will determine the feed rate by noting feeder setting and measuring the output of the feeder system by disconnecting the feeder hose from the pump and discharging material to a pre-weighted container over a predetermined duration. The permittee will then measure the weight of the resultant material and extrapolate the dry sorbent feed rate over time.</td>
<td>The permittee shall measure the pressure drop across each baghouse once daily</td>
</tr>
<tr>
<td>Indicator Range</td>
<td>The permittee shall maintain the sorbent feed rate to the baghouse equal to or above the sorbent feed rate specified in condition E9-5.</td>
<td>The permittee shall maintain the pressure drop across each baghouse equal to or above the pressure drop specified in condition E9-4.</td>
</tr>
<tr>
<td>Data Representativeness</td>
<td>The permittee will measure the sorbent feed rate to the baghouse unit at the junction of the auger and pneumatic suction feed hose.</td>
<td>Magnahelic gauges positioned at inlet and outlet of baghouse, installed by authorized equipment representative.</td>
</tr>
<tr>
<td>Verification of Operational Status</td>
<td>The permittee shall inspect the sorbent injection system once daily and record the results of the inspection in a log. The permittee shall promptly correct any problems with the sorbent injection system.</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>QA/QC Practices and Criteria</td>
<td>Sorbent feed equipment is calibrated, maintained, and operated in accordance with manufacturer’s instructions. All equipment is inspected per facility preventive maintenance practices.</td>
<td>Instrumentation is calibrated, maintained, and operated in accordance with manufacturer’s instructions. All equipment is inspected per facility preventive maintenance practices.</td>
</tr>
<tr>
<td>Monitoring Frequency and Data Collection Procedures</td>
<td>The sorbent feed rate to the baghouse shall be measured once per day and recorded in a suitable format (log) that shall be maintained on-site, and made available for inspection.</td>
<td>Pressure drop shall be measured once per day and recorded in a suitable format (log) that shall be maintained on-site, and made available for review.</td>
</tr>
<tr>
<td>Averaging Period</td>
<td>No average is taken.</td>
<td>No average is taken.</td>
</tr>
<tr>
<td>Minimum Data Availability Requirement</td>
<td>Not applicable.</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

E9-16. The permittee may change the sorbent and/or the sorbent feed rates in Condition E9-5 and E9-15 by utilizing the following procedure:
Title V Permit No: 578675

Expiration Date: TBD

a) The permittee shall notify the Technical Secretary in writing in advance of the permittee’s intent to conduct pilot testing of the new sorbent and/or sorbent feed rate for this source. This notice shall identify the proposed new sorbent and may be submitted as confidential and proprietary.

b) The permittee shall conduct pilot testing based on reasonably available information, including past experience at the facility with permitted sorbents and sorbent feed rates, stoichiometry, applications deemed similar by the permittee, and vendor written specifications. During pilot testing, the permittee shall abide by the new sorbent feed rates instead of the limits in Condition E9-5 and E9-15.

c) If the permittee decides to permanently change the sorbents and/or sorbent feed rates in Condition E9-5 and E9-15, then the permittee shall abide by the new sorbent feed rates until the new sorbent feed rates are incorporated into the permit via a minor permit modification as described in paragraph (g) of this condition.

d) If the permittee decides to permanently change the sorbents and/or sorbent feed rates in E9-5 and E9-15, then the permittee shall conduct an emission performance test for Hydrogen Fluoride, Hydrogen Chloride, and Sulfur Dioxide. Within 180 days after permanently changing the sorbents and/or sorbent feed rates, the permittee shall furnish the Technical Secretary a written report of the results of an emissions performance test for Hydrogen Fluoride, Hydrogen Chloride, and Sulfur Dioxide, which will demonstrate compliance with the emission limitations specified in Conditions E9-5, E9-9, and E9-10 of this permit. The performance test shall be conducted and data reduced in accordance with methods and procedures specified in the following regulations:

1) For Hydrogen Fluoride and Hydrogen Chloride
   Method 26A of 40 CFR part 60, Appendix A

2) For Sulfur Dioxide
   Method 6 of 40 CFR part 60, Appendix A.

<table>
<thead>
<tr>
<th>Source ID</th>
<th>Particulate Matter Emission Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry Cut and Polish Line #1</td>
<td>0.006 gr/dscf and 1.0 lbs/hr</td>
</tr>
<tr>
<td>Dry Cut and Polish Line #2</td>
<td>0.006 gr/dscf and 1.0 lbs/hr</td>
</tr>
<tr>
<td>Dry Cut and Polish Line #3</td>
<td>0.006 gr/dscf and 1.0 lbs/hr</td>
</tr>
</tbody>
</table>

E11-1. Particulate matter (PM) emitted from this source (63-0135-39) shall not exceed the following limits:

TAPCR 1200-03-07-.01(5) agreement Letters Dated November 10, 2020, and July 14, 2021 (See Attachment 3) and Based on the performance test by Alliance Source Testing, LLC Conducted on September 21 – 25, 2020. (See Attachment 4)

Compliance Method for Lines #1, #2, and #3: The permittee shall assure compliance with the particulate matter emission limitation by maintaining the pressure drop across the baghouse equal to or above the following values:

<table>
<thead>
<tr>
<th>Baghouse Identification</th>
<th>Minimum Pressure Drop (Inches of Water)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry Cut and Polish Line #1</td>
<td>2.90</td>
</tr>
<tr>
<td>Dry Cut and Polish Line #2</td>
<td>2.70</td>
</tr>
<tr>
<td>Dry Cut and Polish Line #3</td>
<td>2.4</td>
</tr>
</tbody>
</table>

The pressure drop for the Dry Cut and Polish Line #1 baghouse, the Dry Cut Line #2 baghouse, and Dry Cut Line #3 shall be recorded in the log provided in (Attachment 5 or in an alternative format that provide the same information) once daily when the source is in operation. The days when the source does not operate shall be noted. For lower pressure drop reading(s) resulting from replacement of bags, the permittee shall record the deviation(s) as such in their daily records. Due allowance will be
made for lower pressure drop reading(s) which follow replacement of bags provided the permittee establishes to the satisfaction of the Technical Secretary that these lower readings resulted from the replacement of bags. (See Attachment 5)

E11-2. Visible emissions from this source (63-0135-39) shall not exhibit greater than 10% opacity, except for one (1) six-minute period in any one (1) hour period, and for no more than four (4) six-minute periods in any twenty-four (24) hour period. Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average).

TAPCR 1200-03-05-.01(3) and 1200-03-05-.03(6) and agreement dated June 14, 2017, from the permittee

Compliance Method: The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 as amended September 11, 2013 that is enclosed as Attachment 1.

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 requirements.

63-0135-40 Scrap Fired-Tile Crushing and Handling controlled by a new fabric filter

Conditions E12-1 through E12-2 apply to source 63-0135-40

E12-1. Particulate matter (PM) emitted from this source (63-0135-40) shall not exceed 0.006 gr/dscf and 1.5 pounds per hour.

TAPCR 1200-03-07-.01(5), and agreement letter dated November 10, 2020 (See Attachment 3) and based on the performance test by Alliance Source Testing, LLC conducted on September 21 – 25, 2020. (See Attachment 4)

Compliance Method: The permittee shall assure compliance with the particulate matter emission limitation by keeping the pressure drop for the Scrap Fired-Tile Crushing and Handling baghouse equal to or above 0.15 inches of water

The pressure drop for the baghouse shall be recorded in the log provided in (Attachment 5 or in an alternative format that provide the same information) once daily when the source is in operation. The days when the source does not operate shall be noted. For lower pressure drop reading(s) resulting from replacement of bags, the permittee shall record the deviation(s) as such in their daily records. Due allowance will be made for lower pressure drop reading(s) which follow replacement of bags provided the permittee establishes to the satisfaction of the Technical Secretary that these lower readings resulted from the replacement of bags. (See Attachment 5)

E12-2. Visible emissions from this source (63-0135-40) shall not exhibit greater than 10% opacity, except for one (1) six-minute period in any one (1) hour period, and for no more than four (4) six-minute periods in any twenty-four (24) hour period. Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average).

TAPCR 1200-03-05-.01(3), 1200-03-05-.03(6), and agreement dated November 10, 2020. (See Attachment 3)

Compliance Method: The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996, as amended September 11, 2013, that is enclosed as Attachment 1.

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 requirements.

63-0135-42 Tile Kiln #23. This source fires greenware in a single tile kiln. There is one sorbent-injected baghouse.

Conditions E13-1 through E13-16 apply to source 63-0135-42
E13-1. The maximum material input rate for this source shall not exceed the amount given in the Confidential Information dated January 28, 2019, on a daily average basis.

TAPCR 1200-03-10-.04(2)

Compliance Method: The permittee shall assure compliance with this limitation by calculating the daily average material input rate. The permittee shall maintain a log of the daily material input, operating hours, and daily average material input rate.

### 63-0135-42 - Daily Average Material Input Rate

<table>
<thead>
<tr>
<th>Date</th>
<th>Material Input (lb)</th>
<th>Operating Hours (hours)</th>
<th>Daily Average Material Input Rate (lb/hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Etc.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>31</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The following equation shall be used to calculate the daily average material input rate:

\[
\text{Daily Average Material Input Rate (lb/hr)} = \frac{\text{Material Input (lb/day)}}{\text{Operating Hours (hours/day)}}
\]

E13-2. The stated design heat input capacity for Kiln #23 is 32.0 million British Thermal Units per hour (MMBtu/hr). The Technical Secretary may require the permittee to prove compliance with this rate.

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

Compliance Method: The permittee must keep a log of the daily natural gas usage that readily assures compliance with Condition E13-2. This log must be maintained at the source location and kept available for inspection by a representative of the Division. This log shall be kept for a period of not less than five years. If the permittee wishes to increase the heat input capacities, the permittee shall pursue the appropriate Title V procedure in accordance with 1200-03-09-.02(11) of the TAPCR. If a construction permit is applied for, this shall be done in accordance with 1200-03-09-.01(1) of the TAPCR.

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

E13-3. Only natural gas shall be used as fuel for this source.

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

Compliance Method: The permittee shall maintain documentation to demonstrate that natural gas is the only fuel combusted in these kilns. Documentation may include, but is not limited to, purchase records or design specifications for the kiln #23 unit. If the permittee wishes to change or modify the type of fuel combusted for the kiln #23, a construction permit shall be applied for and received in accordance with TAPCR 1200-03-09-.01(1) prior to making the change.

E13-4. Particulate matter (PM) emitted from this source (63-0135-42) shall not exceed 1.2 pounds per hour and 5.2 tons during all intervals of twelve consecutive months.

TAPCR 1200-03-07-.01(5), and agreement letter dated November 10, 2020 (See Attachment 3) and based on the performance test by Alliance Source Testing, LLC conducted on September 21 – 25, 2020. (See Attachment 4)

Compliance Method: The permittee shall assure compliance with the particulate matter emission limitation by maintaining the pressure drop for the Kiln #23 baghouse equal to or greater than 1.5 inches of water.

The pressure drop for the baghouse shall be recorded in the log provided in (Attachment 5 or in an alternative format that provide the same information) once daily when the source is in operation. The days when the source does not operate shall be noted. For lower pressure drop reading(s) resulting from replacement of bags, the permittee shall record the deviation(s) as such in their daily records. Due allowance will be made for lower pressure drop reading(s) which follow replacement of bags provided the permittee
establishes to the satisfaction of the Technical Secretary that these lower readings resulted from the replacement of bags. (See Attachment 5)

E13-5. Sulfur dioxide emitted from this source (63-0135-42) shall not exceed 12.99 pounds per hour and 56.9 tons during all intervals of twelve consecutive months.

TAPCR 1200-03-14-.01(3); application dated January 28, 2019, and performance testing dated October 22, 2019, at this facility

Compliance Method: The permittee shall assure compliance with this limitation by maintaining the sorbent feed rate to the baghouse equal to or above the rate in paragraph (1) below:

(1) After the start-up of Kiln #23, the permittee shall assure compliance with this limitation by maintaining the Sorbacal SPS feed rate to the baghouse equal to or above 51.8 pounds per hour.

The permittee shall manually check the sorbent feed rate to the baghouse once per day and record the values in a log. Days when the source is not operating shall be noted. The permittee shall maintain free-flowing sorbent in the feed hopper or silo and to the baghouse at all times. The permittee shall maintain the feeder setting at or above the levels listed above. The permittee shall inspect the sorbent injection system once daily and record the results of the inspection in a log. The permittee shall promptly correct any problems with the sorbent injection system.

E13-6. Volatile organic compounds (VOC) emitted from this source (63-0135-42) shall not exceed 5.64 pounds per hour and 23.47 tons during all intervals of twelve consecutive months.

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

Compliance Method: Compliance with this condition is assured based on compliance with Condition E13-1, and an emission factor of 0.43 pounds of VOC per ton of ceramic product produced (from AP-42, Table 11.7-2, published July 1996).

E13-7. Nitrogen oxides (NOx) emitted from this source (63-0135-42), when burning natural gas shall not exceed 3.98 pounds per hour and 17.4 tons during all intervals of twelve consecutive months.

TAPCR 1200-03-07-.01(5); agreement letter dated September 14, 2018, for hourly limit of 3.98 lb/hr

Compliance Method: Compliance with this condition is assured based on compliance with Conditions E13-1 and E13-2, and the following emission factors: (1) 0.32 pounds of NOx per ton of ceramic product produced (Florim emission factor) and (2) 50 pounds of NOx per million cubic feet of natural gas combustion (AP-42 Table 1.4-1).

E13-8. Carbon monoxide (CO) emitted from this source (63-0135-42) shall not exceed 6.46 pounds per hour and 28.30 tons during all intervals of twelve consecutive months.

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

Compliance Method: Compliance with this condition is assured based on compliance with Condition E13-1 and a source test performed on Kiln #1 on February 25, 2014, and performance testing dated October 22, 2019

E13-9. Hydrogen fluoride (HF) emitted from this source (63-0135-42) shall not exceed 0.29 pounds per hour and 1.27 tons during all intervals of twelve consecutive months.

TAPCR 1200-03-07-.07(2), and performance testing dated October 22, 2019

Compliance Method: The permittee shall assure compliance with this limitation by the compliance method specified in Condition E13-5.

E13-10. Hydrogen chloride (HCl) emitted from this source (63-0135-42) shall not exceed 0.39 pounds per hour and 1.69 tons during all intervals of twelve consecutive months.

TAPCR 1200-03-07-.07(2), and performance testing dated October 22, 2019
Compliance Method: The permittee shall assure compliance with this limitation by the compliance method specified in Condition E13-5.

E13-11. Sulfuric acid mist (H$_2$SO$_4$) emitted from this source (63-0135-42) shall not exceed 0.39 pounds per hour and 1.7 tons during all intervals of twelve consecutive months.

TAPCR 1200-03-07-.07(2), and performance testing dated October 22, 2019

Compliance Method: Compliance with this condition is assured based on compliance with E13-3, and a source test performed on a kiln in November 1998 referenced in the Title V permit application, and performance testing dated October 22, 2019

E13-12. Visible emissions from this source shall not exhibit greater than 10% opacity, except for one (1) six-minute period in any one (1) hour period, and for no more than four (4) six-minute periods in any twenty-four (24) hour period. Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average).

TAPCR 1200-03-05-.01(3); application dated January 28, 2019, from the permittee

Compliance Method: The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

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 requirements.

E13-13. The Technical Secretary may require the permittee to determine the Chlorine and Fluorine content of the material input to the process.

E13-14. The exhaust gases from this source (63-0135-42) shall be discharged unobstructed vertically upwards to the ambient air from a stack with an exit diameter of 42 inches not less than 49 feet above ground level. Should this source in the future increase its emission of HF and/or HCl or revise its stack parameters, the source shall be remodeled for ambient air quality.

E13-15. This source (63-0135-42) is subject to 40 CFR Part 64 Compliance Assurance Monitoring (CAM) for hydrogen flouride, hydrogen chloride, and sulfur dioxide. The following table summarizes the CAM requirements:

<table>
<thead>
<tr>
<th>Monitoring Element</th>
<th>Indicator</th>
<th>Indicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement Approach</td>
<td>Sorbent feed rate</td>
<td>Baghouse pressure drop</td>
</tr>
<tr>
<td>Indicator Range</td>
<td>The permittee will determine the feed rate by noting feeder setting and measuring the output of the feeder system by disconnecting the feeder hose from the pump and discharging material to a pre-weighted container over a predetermined duration. The permittee will then measure the weight of the resultant material and extrapolate the dry sorbent feed rate over time.</td>
<td>The permittee shall measure the pressure drop across each baghouse once daily.</td>
</tr>
<tr>
<td>Data Representativeness</td>
<td>The permittee will measure the sorbent feed rate to the baghouse unit at the junction of the auger and pneumatic suction feed hose.</td>
<td>Magnehelic gauges positioned at inlet and outlet of baghouse, installed by authorized equipment representative.</td>
</tr>
<tr>
<td>Verification of Operational Status</td>
<td>The permittee shall inspect the sorbent injection system once daily and record the results of the inspection in a log. The permittee shall promptly correct any problems with the sorbent injection system.</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>QA/QC Practices and Criteria</td>
<td>Sorbent feed equipment is calibrated, maintained, and operated in accordance with manufacturer’s instructions.</td>
<td>Instrumentation is calibrated, maintained, and operated in accordance with manufacturer’s instructions.</td>
</tr>
</tbody>
</table>
### Monitoring Frequency and Data Collection Procedures

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monitoring Frequency</td>
<td>All equipment is inspected per facility preventive maintenance practices.</td>
</tr>
<tr>
<td>Data Collection</td>
<td>Pressure drop shall be measured once per day and recorded in a suitable format (log) that shall be maintained on-site, and made available for review.</td>
</tr>
<tr>
<td>Procedures</td>
<td></td>
</tr>
<tr>
<td>Averaging Period</td>
<td>No average is taken.</td>
</tr>
<tr>
<td>Minimum Data</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Availability</td>
<td></td>
</tr>
<tr>
<td>Requirement</td>
<td></td>
</tr>
</tbody>
</table>

**E13-16.** The permittee may change the sorbent and/or the sorbent feed rates in Condition E13-5 and E13-15 by utilizing the following procedure:

a) The permittee shall notify the Technical Secretary in writing in advance of the permittee’s intent to conduct pilot testing of the new sorbent and/or sorbent feed rate for this source. This notice shall identify the proposed new sorbent and may be submitted as confidential and proprietary.

b) The permittee shall conduct pilot testing based on reasonably available information, including past experience at the facility with permitted sorbents and sorbent feed rates, stoichiometry, applications deemed similar by the permittee, and vendor written specifications. During pilot testing, the permittee shall abide by the new sorbent feed rates instead of the limits in Condition E13-5 and E13-15.

c) If the permittee decides to permanently change the sorbents and/or sorbent feed rates in Condition E9-5 and E9-15 then the permittee shall abide by the new sorbent feed rates until the new sorbent feed rates are incorporated into the permit via a minor permit modification as described in paragraph (g) of this condition.

d) If the permittee decides to permanently change the sorbents and/or sorbent feed rates in E13-5 and E13-15 then the permittee shall conduct an emission performance test for Hydrogen Fluoride, Hydrogen Chloride, and Sulfur Dioxide. Within 180 days after permanently changing the sorbents and/or sorbent feed rates, the permittee shall furnish the Technical Secretary a written report of the results of an emissions performance test for Hydrogen Fluoride, Hydrogen Chloride, and Sulfur Dioxide, which will demonstrate compliance with the emission limitations specified in Conditions E13-5, E13-9 and E13-10 of this permit. The performance test shall be conducted and data reduced in accordance with methods and procedures specified in the following regulations:

1) For Hydrogen Fluoride and Hydrogen Chloride
   Method 26A of 40 CFR part 60, Appendix A

2) For Sulfur Dioxide
   Method 6 of 40 CFR part 60, Appendix A.

e) At least thirty (30) days prior to conducting the emission performance test, the Division's Compliance Validation Program shall be contacted at (615) 532-0554, in order to afford the Division the opportunity to have an observer present. The source owner or operator shall provide sampling ports and a suitable platform for the conducting of source emissions testing on the effluent gas stream of the source.

f) At least sixty (60) days prior to conducting the emissions performance test, the permittee shall submit a test protocol to the Technical Secretary for approval. To be considered as being approvable the protocol must address the following:

1) Address the operational level of the kilns during the testing period and how that operational level will represent the maximum normal operating level of the kilns.
2) How process samples will be taken during the testing period and analyzed for chloride and fluoride content.
3) Identify the type of sorbent to be used during the test and during operation.
4) How the sorbent feed rate to the baghouse will be measured during the testing period. The sorbent feed rate limit will be based on the rate measured during the testing period. The sorbent feed rate will be used as part of the compliance method for demonstrating continual compliance with the applicable hydrogen chloride, hydrogen fluoride, and sulfur dioxide emission limits.

End of Title V Permit Number 578675 (Draft)
ATTACHMENT 1

OPACITY MATRIX DECISION TREE for

VISIBLE EMISSION EVALUATION TVEE METHODS 2 and 9

dated JUNE 18, 1996, and amended September 11, 2013
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 TVEE Method 2 evaluations.

Typical Pollutants
Particulates, VOC, CO, SO\textsubscript{2}, NO\textsubscript{x}, 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
TVEE 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
**Decision Tree PM for Opacity for Sources Utilizing EPA Method 9**

Notes:

PM = Periodic Monitoring required by 1200-03-09-.02(11)(c)(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 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 64).

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.

A VEE conducted by TAPCD personnel 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
### 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.)

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>
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</tbody>
</table>

If actual emissions: Describe calculation method and provide example. Provide condition number that specifies method, if applicable.
<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>If actual emissions: Describe calculation method and provide example. Provide condition number that specifies method, if applicable.</td>
</tr>
</tbody>
</table>

**CONTACT INFORMATION (BILLING)**

9. Billing contact
   Phone number with area code

   **Mailing address** (St./Rd./Hwy.)
   Fax number with area code

   City
   State
   Zip code
   **Email address**

**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.

10. Signature
    Date

    **Signer’s name** (type or print)
    Title
    Phone number with area code
November 10, 2020

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

via email: air.pollution.control@tn.gov

RE: Emission Limitation Agreement
Florim USA, Inc., Clarksville, Tennessee (#63-0135)
Title V Permit #570069

Dear Ms. Owenby:

Florim USA, Inc. in Clarksville, Tennessee agrees to the following limitations for the identified sources contained in the above referenced Title V permit.
**Condition E4-2.** Particulate matter (PM) emitted from this source shall not exceed the following limits:

<table>
<thead>
<tr>
<th>Source Description</th>
<th>Particulate Matter Emission Limit</th>
<th>Basis for Emission Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Raw Material Storage</td>
<td>0.5 lb/hr (0.002 gr/dscf)</td>
<td>Agreement Letter dated November 10, 2020 TAPCR 1200-03-07-01(5)</td>
</tr>
<tr>
<td>Body Prep 1</td>
<td>4.0 lb/hr (0.012 gr/dscf)</td>
<td>Agreement Letter dated November 10, 2020 TAPCR 1200-03-07-01(5)</td>
</tr>
<tr>
<td>Body Prep 2</td>
<td>4.0 lb/hr (0.012 gr/dscf)</td>
<td>Agreement Letter dated November 10, 2020 TAPCR 1200-03-07-01(5)</td>
</tr>
</tbody>
</table>

**Condition E4-3** Visible emissions from this source (63-0135-02) shall not exhibit greater than ten percent (10%) opacity, except for one (1) six-minute period in any one (1) hour period, and for no more than four (4) six-minute periods in any twenty-four (24) hour period. Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average).

**Condition E4-6.** Particulate matter (PM) emitted from Spray Dryer 4 shall not exceed 0.0045 grain per dry standard cubic foot of exhaust gas (1.54 pounds per hour). Spray Dryer 5 shall not exceed 0.005 grain per dry standard cubic foot of exhaust gas (1.50 pounds per hour). §60.732(a) and 1200-03-09-.03(8)
**Condition E4-13.** Visible emissions from Spray Dryers 4 and 5 shall not exceed 10 (ten) percent opacity pursuant to the New Source Performance Standard (NSPS) 40 CFR 60, Subpart UUU, CFR §60.732(b). Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average).

| Source 63-0135-04 Tile Presses #1, #2, #3, #4, #26, #27, #28 and Press Loading Operation |

**Condition E5-1** Particulate (PM) emitted from Tile Presses #1, #2, #3, #4, #26, #27, #28, and Press Loading operation shall not exceed 4.5 lb/hr.

**Condition E5-2** Visible emissions from this source (63-0135-04) shall not exhibit greater than ten percent (10%) opacity, except for one (1) six-minute period in any one (1) hour period, and for no more than four (4) six-minute periods in any twenty-four (24) hour period. Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average).

| Source 63-0135-08 Glaze Lines #1, #2, #3, #4, #26, #27 and #28 |

**Condition E7-1** Particulate (PM) emitted from Glaze Lines #1, #2, #3, #9, #10, #26, #27 and #28 shall not exceed 1.0 lb/hr.

**Condition E7-3** Visible emissions from this source (63-0135-08) shall not exhibit greater than ten percent (10%) opacity, except for one (1) six-minute period in any one (1) hour period, and for no more than four (4) six-minute periods in any twenty-four (24) hour period. Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average).
**Source 63-0135-39 Dry Cut and Polishing Lines**

**Condition E11-1** Particulate (PM) emitted from Dry Cut and Polishing Lines shall not exceed the following:

<table>
<thead>
<tr>
<th>Source</th>
<th>Emissions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry Cut and Polish Line 1</td>
<td>1.0 pounds per hour (0.006 gr/dscf)</td>
</tr>
<tr>
<td>Dry Cut Line 2</td>
<td>1.0 pounds per hour (0.006 gr/dscf)</td>
</tr>
</tbody>
</table>

**Condition E11-2** Visible emissions from this source (63-0135-39) shall not exhibit greater than ten percent (10%) opacity, except for one (1) six-minute period in any one (1) hour period, and for no more than four (4) six-minute periods in any twenty-four (24) hour period. Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average).

---

**Source 63-0135-40 Scrap Fired Tile Crushing and Handling**

**Condition E12-1** Particulate (PM) emitted from Scrap Fired Tile Crushing and Handling shall not exceed 1.5 lb/hr.

**Condition E12-2** Visible emissions from this source (63-0135-40) shall not exhibit greater than ten percent (10%) opacity, except for one (1) six-minute period in any one (1) hour period, and for no more than four (4) six-minute periods in any twenty-four (24) hour period. Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average).
Florim, USA accepts these restrictions on PM emissions, recognizing that they are more restrictive than required under applicable Tennessee rules, in order to avoid paying unnecessary emission fees. Florim, USA also accepts a limit of 10% opacity on the referenced source. The necessary APC forms are found in the Title V Renewal Application Package dated November 10, 2020.

We trust that this information is sufficient for your needs. If you have questions or require anything further, please contact Don Haynes, Florim Environmental Manager, at (931)553-7568.

Sincerely,

Michele Agazzi
Plant Manager and CMO

cc: Younes Alcali and Will Collins, Tennessee Division of Air Pollution Control
July 14, 2021

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

RE: Minor Modification Request for Addition of Dry Cut and Polish Line #3
Florim USA, Inc.
Clarksville, Tennessee (#63-0135)
Title V Permit #570069

Dear Ms. Owenby:

Florim USA, Inc. in Clarksville, Tennessee is requesting changes to the facility’s Title V permit. This change will be made pursuant to TAPCR 1200-03-09-.02(11)(f)(5)(ii), Minor Modifications.

1. **Brief Description of the Changes**
   
   1. Florim is proposing to modify source 63-0135-39 with the addition of a third dry cut and polish line controlled by a new baghouse.

2. **The emission resulting from the change will be as follows:**

   1. The proposed allowable particulate emission rate for the baghouse controlling dry cut and polish line #3 will be 1.0 pounds per hour of particulate based on the exhaust gas concentration of 0.006 gr/dscf. (Based on the performance test by Alliance Source Testing, LLC Conducted on September 21 – 25, 2020).
3. **Any new applicable requirements that will result from the change:**

No new applicable requirements have been identified.

Suggested permit language for Source 63-0135-39 is attached. Suggested changes are highlighted.

The proposed changes at the facility meet the criteria for the use of minor modification procedures and we request that such procedures be used. The modification does not violate any applicable requirement. The change is not a modification under Title 1 of the federal act.

We understand that this change will become effective immediately after this application is filed.

We trust that this information is sufficient for your needs. If you have questions or require anything further, please contact Don Haynes, Florim Environmental Manager, at (931)553-7568.

Based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

Sincerely,

Michele Agazzi
Plant Manager and Chief Manufacturing Officer

Attachments

cc: Younes Aleali, Tennessee Division of Air Pollution Control
February 7, 2022

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

via email: air.pollution.control@tn.gov

RE: Request for Administrative Amendment
Florim USA, Inc., Clarksville, Tennessee (#63-0135)
Title V Permit #570069
Source 63-0135-39

Dear Ms. Owenby:

As required by Condition E11-1 of Title V Permit #570069, Florim USA is submitting pressure drop readings that were collected for use in establishing the parametric monitoring value for the baghouse controlling the Dry Cut and Polish Line #3. Florim USA requests that the referenced permit be amended to incorporate this value pursuant to the regulatory provision of TAPCR 1200-3-09-.02(11)(f)(4), Administrative Amendments.

1. Brief description of the change
   Amend the language contained in Condition E11-1 to incorporate a minimum pressure drop of 2.4 inches of water for Dry Cut and Polish Line #3 baghouse. The suggested value of 2.4 inches of water is established by reducing the lowest monitored value of the 60 collected data points, excluding days of no operation, by one standard deviation.
   Summary calculations are attached.

2. The emissions resulting from this change will be as follows:
   There will be no change in emissions resulting from this administrative amendment.
3. **Any new applicable requirements resulting from the change:**

No Title V modifications will be triggered, and no new permit conditions are required.
Condition E11-1 will need to be amended to incorporate the new pressure drop limit.

The proposed changes at the facility meet the criteria for the use of administrative amendment procedures and I request that such procedures be used. The modification does not violate any applicable requirement. The change is not a modification under Title I of the federal act. We understand that this change will become effective immediately after this request is filed.

We trust that this information is sufficient for your needs. If you have questions or require anything further, please contact Don Haynes, Environmental Manager, at (931)553-7568.

Based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

Sincerely,

Michele Agazzi

Attachments
cc: Younes Aleali, Tennessee Division of Air Pollution Control
Division’s Acknowledgment Letter Dated September 6, 2017 - Performance Test Conducted on Dryer #4
By Alliance, LLC - SOURCE 63-0135
September 6, 2017

Mr. Don Haynes
Environmental Manager
Florim USA, Inc.
300 International Blvd.
Clarksville, TN 37040

Reference Number: 63-0135-02-S4

Dear Mr. Haynes:

The Tennessee Division of Air Pollution Control is in receipt of the report of the particulate and visible emissions performance testing conducted for Spray Dryer #4 located at Florim USA in Clarksville, Tennessee. On October 28, 2016 Minor Modification #2 to Title V operating permit #570069 was issued to address the installation of Spray Dryer #4. All spray dryers located at the facility are subject to the provisions of 40 CFR 60, Subpart UUU, Standards of Performance for Standards of Performance for Calciners and Dryers in Mineral Industries. The particulate testing was conducted on June 6, 2017 by Alliance Source Testing, LLC. This testing was conducted consistent with the test protocol received May 23, 2017. The visible emissions evaluations were conducted on August 25, 2017 by Stevens Environmental Consulting.

The Division’s Compliance Validation Program has reviewed the test reports. Based on this review, the Division considers the reports to be technically correct with regards to the test procedures employed, the mathematical accuracy of the calculations presented, the acceptability of the equipment calibration data, and the certification credentials of the visible emission evaluator. Based on the evaluation of the presented data, the Division considers the test reports acceptable for a compliance demonstration.

In Appendix E of the particulate test report it is stated that during the testing period output of dried material (prill) from Spray Dryer #4 was 34,516 kilograms or 76,094 pounds per hour. In the permit application of record dated June 16, 2016 the maximum output of Spray Dryer #4 is listed as 77,000 pounds per hour. Therefore, Spray Dryer #4 was operating near its maximum capacity during the testing period. The Division considers this production rate as being acceptable for a demonstration of compliance.

During the testing period the average measured particulate concentration level in the effluent gas stream of Spray Dryer #4 was 0.0041 grains of particulate matter per dry standard cubic foot and the particulate emission rate was 1.4 pounds per hour. The concentration value demonstrates compliance with the allowable particulate concentration level of 0.025 grains per dry standard cubic foot of gas as set forth in 40 CFR 60.732(a) and Condition E4.14(MM2) of the above referenced Title V permit. During the testing period, the average pressure drop across the baghouse that serves to control emission from Spray Dryer #4 was 5.6 inches of water.
On August 25, 2017, three hours of visible emissions evaluations were conducted for the exhaust of the baghouse that serves to control emissions from Spray Dryer #4. All readings were zero percent opacity. These readings demonstrate compliance with the applicable visible emission limit of ten percent opacity as set forth in 40 CFR 60.732(b) and Condition E4-13(MM2) of the above referenced Title V permit.

In supplemental information dated August 31, 2017, it is stated that during the time frame of the August 25, 2017 visible emission evaluations output of dried material (prill) from Spray Dryer #4 was 27,097 kilograms or 59,739 pounds per hour. In the permit application of record dated June 16, 2016 the maximum output of Spray Dryer #4 is listed as 77,000 pounds per hour. Therefore, Spray Dryer #4 was operating at 78 percent of its maximum capacity during the testing period. The Division considers this production rate as being acceptable for a demonstration of visual compliance.

During this testing period, the particulate emission rate from the baghouse that serves to control particulate emissions from Spray Dryer #4 averaged 0.11 pound per hour. Given the hourly particulate emission rate determined from this testing and utilizing unlimited hours of operation, an annual particulate emission rate of one half a ton can be calculated. Therefore, consistent with EPA Applicability Determinations #0000056 (January 5, 2000) and #9700071 (January 30, 1997), this source is exempt from the opacity monitoring requirement set forth in 40 CFR 60.734(a). This is consistent with the language set forth in E4-16(MM2) and supersedes the language of Condition E4-17(MM2) of the above referenced Title V permit.

On August 25, 2017, 30 minutes of visible emissions evaluations were conducted for the exhaust of the baghouse that serves to control emissions from Tile Press #4 (PES 04). All readings were zero percent opacity. These readings demonstrate compliance with the applicable visible emission limit of ten percent opacity as set forth in Condition E5-2 of the above referenced Title V permit.

With the acceptance of this performance test report, the Division considers that Florim USA, Inc. has fulfilled the performance testing requirements set forth in Conditions E4-18(MM2), E4-19(MM2), and E4-20(MM2) of the above referenced Title V permit, and has demonstrated compliance with the permit stipulated emission limits as set forth above.

Should you have any questions concerning issues addressed by this letter, please contact me at (615) 532-0605.

Sincerely,

[Signature]

W. Stewart
Compliance Validation Program
Tennessee Division Air Pollution Control
ATTACHMENT 5
DAILY EXHAUST FILTERS / BAGHOUSE SYSTEM DIFFERENTIAL PRESSUR READINGS
SOURCE 63-0135
### ATTACMENT 5

#### DAILY EXHAUST FILTERS SYSTEM DIFFERENTIAL PRESSUR READINGS

**SOURCE 63-0135  Source #:  Baghouse ID:**

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<th>APR</th>
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<th>AUG</th>
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<td></td>
<td></td>
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<td>21</td>
<td></td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>etc.</td>
<td></td>
<td>Yes □ No ☐ Yes □ No ☐</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>
INTRODUCTION

This narrative is being provided to assist the reader in understanding the content of the attached Title V operating permit. This Title V Permit Statement is written pursuant to Tennessee Air Pollution Control Rule 1200-03-09-.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 Florim USA, Inc. and to provide practical methods for determining compliance with these requirements. The following 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
CAM - Compliance Assurance Monitoring

I. Identification Information

A. Source Description

This facility manufactures Ceramic Tile. Currently, Title V permit includes the following sources:

<table>
<thead>
<tr>
<th>Source No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>63-0135-02</td>
<td>Raw Material Storage, Body Preparation 1, Body Preparation 2, and Two Spray Dryers</td>
</tr>
<tr>
<td>63-0135-04</td>
<td>Tile Presses #1, #2, #3, #4, #26, #27, #28, and Press Loading Operation</td>
</tr>
<tr>
<td>63-0135-05</td>
<td>Glaze Batching Operation</td>
</tr>
<tr>
<td>63-0135-08</td>
<td>Glaze Lines #1, #2, #3, #26, #27, #28 and Seven Ink Jet Printers</td>
</tr>
<tr>
<td>63-0135-30</td>
<td>Tile Kilns #1 and #22</td>
</tr>
<tr>
<td>63-0135-39</td>
<td>Dry Cutting and Polishing Lines #1, #2, and #3</td>
</tr>
<tr>
<td>63-0135-40</td>
<td>Scrap Fired Tile Crushing and Handling with a Baghouse</td>
</tr>
<tr>
<td>63-0135-42</td>
<td>Tile Kiln #23</td>
</tr>
</tbody>
</table>
B. Title V Permit History:

1. The original Title V permit No.550892 was issued on June 25, 2004.

2. Title V renewal permit No.562538 was issued on September 20, 2010.

5. Title V renewal permit No.570069 was issued on May 16, 2016. After issuance of previous Title V Permit No. 570069, the following changes were made:

- **Minor Modification #1.** For Source 63-0135-09, removal of Kiln #9. Conditions E1, E2, E8-1, E8-2, E8-4, E8-5, E8-6, E8-7, E8-8, E8-9, E8-10, and E8-11 were modified.

- **Minor Modification #2 and Administrative Amendment 1** (combined with Minor Modification 2)  
  For Source 63-0135-02, added Spray Dryer 4. Conditions E1, E4-4 to E4-13 were modified or added. 
  Administrative Amendment 1 (combined with Minor Modification 2) – For Source 63-0135-02 added pressure drop value for Raw Material Storage Building. Condition E4-2 was modified.

- **Minor Modification #3,** Sources 63-0135-02 & 04
  
a. Source 63-0135-02, replacing the existing fabric filter servicing Body Preparation Area #1 with another fabric filter system of a different size and design. The existing fabric filter servicing Body Preparation Area #1 will be utilized to serve the Color Silo Area. Conditions E1, E4-2 were modified.

b. Source 63-0135-04, installing Tile Press #4 and Glazing Line #4, both of which are similar to existing presses and glaze lines currently permitted at the Florim facility. Tile Press #4 will be controlled by a new baghouse that will be part of Source 63-0135-04. Glaze Line #4 will be controlled by the existing baghouse currently controlling Glaze Lines #1, #2, and #3 which is part of Source 63-0135-08. Conditions E1, E5-1 & E7-1 were modified.

c. Administrative Amendment 2 (combined with Minor Modification 3) – Mr. Marco Fregni, President and CEO was designated the “Responsible Official”. Mr. Michael Mathys, Florim USA Corporate Secretary, will continue to have delegated signatory authority in the event that Mr. Fregni is unavailable (letter of December 5, 2016).

d. Administrative Amendment 3 (combined with Minor Modification 3) – Amended table in Condition E4-2 to incorporate a minimum pressure drop of 5.9 inches of water for the Body Preparation Area 1 Baghouse (63-0135-02)

- **Minor Modification 4 and Administrative Amendment 4** (combined with Minor Modification 4)
  

b. Source 63-0135-04 & -08, removing Presses #9 and #10 (Source 63-0135-04), as well as Glaze Lines #9 and #10 (Source 63-0135-08) from the facility. The baghouse controlling Glaze Lines #9 and #10 will be removed from service and left in place.

c. Allowable emissions at Source 63-0135-04 will be lowered to reduce emission fees.

d. Allowable emissions at Source 63-0135-08 will be lowered to reduce emission fees.
e. Administrative Amendment 4 (combined with Minor Modification 4) – Amend the permit language contained in Condition E4-6 to incorporate a minimum pressure drop of 3.7 inches of water for the Spray Dryer #4.

- **Minor Modification #5**
  a. Source 63-0135-39, Florim to add a new source #39 to Permit No. 570069. The new source will consist of a dry cut and polish line controlled by a new baghouse.
  b. Source 63-0135-02 removing Spray Dryer #1 from the facility. The removal will result in lowering the allowable emissions at Source #02 and also will decrease the emission fees.

- **Administrative Amendment #1** was issued on November 15, 2017
  Amended the table contained in Condition E5-1 of Title V Permit #570069, to incorporate a minimum pressure drop of 0.40 inches of water for the Press 4 baghouse.

- **Administrative Amendment #2** was issued on November 27, 2017
  Amended the table contained in Condition E5-1 of Title V Permit #570069, to incorporate a minimum pressure drop of 1.30 inches of water for the Prill Conveyor baghouse

- **Minor Modification #6** was issued on December 18, 2017
  Source 63-0135-40, Florim added a new source #40 to Permit No. 570069. The new source consist of a new scrap fired-tile crusher and associated material handling controlled by a new baghouse. After additional particulate allowable emissions, this source is still “minor” for PSD purposes.

- **Administrative Amendment #3**
  Amended the language contained in Condition E11-1 of Title V Permit #570069, to incorporate a minimum pressure drop of 2.90 inches of water for the Dry Cut and Polishing Line baghouse.

- **Minor Modification #7**
  1. Amend the language contained in Source 63-0135-09, Condition E8-5 of Title V Permit #570069, Compliance Method (2) to incorporate the new Sorbacal SPS feed rate of 38.4 pounds per hour for Kiln 8. Sorbacal SPS feed rate of 86.0 pounds per hour for Kilns 6 and 7 will remain unaffected. (verify –that correct methodology was here – acceptable to APC)
  2. Replace the existing fabric filters servicing the Color Silos in Source 63-0135-02 and Prill Conveyor System in Source 63-0135-04 with a fabric filter system of a different size and design. The Raw material storage pm allowable is reduced from 3.6 to 1.2 lb/hr and there is a new additional pm limit of 6.46 lb/hr for the new source / baghouse combination of 6.46 lb/hr. This new baghouse will be designated as Body Preparation Area 2 for 63-0135-04, the Prill Conveyor system is being removed from this source, with the associated allowable changing from 12.37 to 11.14 lb/hr.

- **Minor Modification #8**
  Florim is proposing to lower Particulate Matter emissions from Spray Dryer #4 to 1.54 lbs/hour based on the source testing dated June 6, 2017. This change is to lower the emission fees, but there are no physical changes. The New PM potential-to-emit is 188.6 tons/year.

- **Minor Modification #9**
  Florim is proposing to add a new Spray Dryer 5 to Source 63-0135-02 for the production of ceramic prill. The New PM potential-to-emit will be 202.63 tons/year. After increases in all pollutants from this addition are included, there will still be no criteria pollutant that reaches the threshold level of 250 tons per year. There are no appreciable HAP emissions with this modification due to the relatively low operational temperatures.
• **Administrative Amendment #4**
  Amended the language contained in Condition E12-1 of Title V Permit #570069, to incorporate a minimum pressure drop of 0.15 inches of water for the Scrap Fired Tile Crushing and Handling baghouse.

• **Minor Modification #10**
  Florim requested an insignificant activity determination for the engine generator, source 63-0135-32, and that Conditions E10-1 through E10-16 from the Title V Operating Permit Number 570069 be deleted. The emergency engine was deemed an insignificant emission unit as defined in subpart 1200-03-09-.04(5)(a)4.(i).

• **Minor Modifications #11 and #12 (combined)**
  Florim is proposing to add a second dry cut line to source 63-0135-39 to be controlled by a new baghouse. The proposed allowable PM emission rate will be 3.53 pounds per hour for the dry cut line #2.

  Florim is proposing to lower the allowable HCL emission rates for Kilns 1 and 11 (Sources 63-0135-30) to 0.50 lbs/hr from 1.22 lbs/hr based on recent stack test results dated January 12-13, 2016, and agreement letter from permittee dated September 6, 2018. Source test was performed at the lime sorbent rate specified in Condition E9-5, thus this compliance method remains valid for the revised HCl emission limit.

• **Administrative Amendment #5**
  Amended the language contained in Condition E4-6 of Title V Permit #570069, to incorporate a minimum pressure drop of 0.8 inches of water for the Spray Dryer #5.

• **Minor Modification #12**
  Florim is proposing to install a tile kiln (Kiln 23) which will be exhausted to a new sorbent fed baghouse and stack (63-0135-42). Spray Dryers #2 and #3 have been decommissioned and removed from the facility. By this minor modification 12, Spray Dryers #2 and #3 will be removed from the Title V Permit #570069. Florim is also proposing to lower allowable emissions at Source 63-0135-02 as a result of this change. Kiln #8, one of three kilns included in Sources 63-0135-09 has been decommissioned and removed from the facility. By this minor modification 12, Kiln #8 will be removed from the Title V Permit #570069. Florim is also proposing to lower allowable emissions at Source 63-0135-09 as a result of this change.

• **Administrative Amendment #6**
  Amended the language contained in Condition E11-1 of Title V Permit #570069, to incorporate a minimum pressure drop of 2.70 inches of water for the Dry Cut Line baghouse.

• **Minor Modification #13**
  Florim is proposing to remove kilns #6 and #7, Source 63-0135-09, from the facility. The proposed changes will lower allowable emissions resulting in lower emission fees for the facility. Source 63-0135-09 will be removed from Title V permit NO 570069 (Conditions E8-1 through E8-14).

• **Administrative Amendment #7**
  Amended the language contained in Condition E4-2 of Title V Permit #570069, to incorporate a minimum pressure drop of 5.7 cm of water for the Body Preparation #2 baghouse.
  Amended the language contained in Condition E13-4 of Title V Permit #570069, to incorporate a minimum pressure drop of 3.8 cm of water for the Kiln #23 baghouse.

• **Minor Modification #14**
  This Minor Modification (#14) application is a request to lower the allowable PM emissions for the fee purposes for the following listed sources. Please note that these sources are equipped with own baghouses and are limited to 10% opacity limits:
This facility is subject to the requirements of Subpart 40 CFR 63 Subpart RRRRR—National Emission Standards for Hazardous Air Pollutants for Clay Ceramics Manufacturing Area Sources, 40 CFR Part 60, and Subpart UUU, Standards of Performance for Calciners and Dryers.

This Minor Modification (#14) does not violate any applicable Title V requirements and is not subject to Title 1 modification. Only PM emissions has been lowered as a result of this Minor Modification as stated below:

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Potential to Emit, tons per year</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM</td>
<td>Was 205.50 – Now: 98.71</td>
</tr>
<tr>
<td>SO2</td>
<td>153.98</td>
</tr>
<tr>
<td>CO</td>
<td>149.31</td>
</tr>
<tr>
<td>VOC</td>
<td>97.52</td>
</tr>
<tr>
<td>NOx</td>
<td>89.53</td>
</tr>
<tr>
<td>HCL and HF</td>
<td>7.38</td>
</tr>
</tbody>
</table>

C. 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 (this means that the facility is not located within a national park or national wilderness area; see 40 CFR 52.21(e) for complete definition).

D. Regulatory Status
1. PSD/NSR
   This facility is not a major source under PSD.
2. Title V Major Source Status by Pollutant:

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Is the pollutant emitted?</th>
<th>Major Source Status</th>
<th>Non-Major Source Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM</td>
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<td>NO</td>
</tr>
<tr>
<td>PM10</td>
<td>YES</td>
<td>NO</td>
<td>YES</td>
</tr>
<tr>
<td>SO2</td>
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</tr>
<tr>
<td>VOC</td>
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</tr>
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<td>YES</td>
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<tr>
<td>GHG</td>
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<td>YES</td>
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</tr>
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</table>

3. MACT Standards
   This facility is not a major source for HAPs. This facility is subject to 40 CFR 63, Subpart RRRRRR, and NSPS Subpart UUU (NESHAP for Clay Ceramics Manufacturing Area Sources).

4. Program Applicability
   Are the following programs applicable to the facility?
   PSD (no, the facility has never undergone PSD review)
   NESHAP (yes)
   NSPS (yes) – Subpart UUU
II. Compliance Information
   A. Compliance Status
      Is the facility currently in compliance with all applicable requirements?  yes
      Are there any applicable requirements that will become effective during the permit term?  no

III. Other Requirements
   A. Emissions Trading
      The facility is not involved in an emission trading program.
   B. Acid Rain Requirements
      This facility is not subject to any requirements in Title IV of the Clean Air Act.
   C. Prevention of Accidental Releases
      Not Applicable
   D. Compliance Assurance Monitoring (CAM)
      This facility is subject to CAM

IV. Public Participation Procedures
Notification of this draft permit was mailed to the following environmental agencies:
   1. U.S. EPA Region IV
   2. State of Kentucky, Division of Air Quality
   3. Davidson County Metropolitan Health Department

• Minor Modification #14
   In accordance with Tennessee Title V Regulations [TAPCR 1200-03-09-.02(11)(f)(5)(ii)(III)], The Division provided a notice to EPA that the Tennessee Air Pollution Control Division has received a complete application for a Minor Permit Modification (#14) to Title V Operating Permit No. 570069 issued on May 16, 2016, from the Florim USA, Inc facility.

   On May 11, 2021, MM14 proposed permit and statement of Basis emailed to EPA, michael.kennedy@ky.gov and john.finke@nashville.gov. On May 21, 2021, Emily Ferrando from Air Permits Section of EPA Region 4, Atlanta GA emailed the Division that they don’t have any comments on the MM14 proposed / draft permit. The Nashville EFO also didn’t have any comments. Therefore, on June 28, 2021, Minor Modification #14 to Title V permit No. 570069 was issued to this facility.

• Minor Modification #15
   On July 25, 2021, in accordance with Tennessee Title V Regulations [TAPCR 1200-03-09-.02(11)(f)(5)(ii)(III)], The Division provided a notice to EPA that the Tennessee Air Pollution Control Division has received a complete application for a Minor Permit Modification (#15) to Title V Operating Permit No. 570069 issued on May 16, 2016, for the Florim USA, Inc facility.

   This Minor Modification (#15) application was a request to modify source 63-0135-39 with the addition of a third dry cut and polish line controlled by a new baghouse. Please note that this source is limited to 10% opacity limits:

   This facility is subject to the requirements of Subpart 40 CFR 63 Subpart RRRRRR—National Emission Standards for Hazardous Air Pollutants for Clay Ceramics Manufacturing Area Sources, 40 CFR Part 60, and Subpart UUU, Standards of Performance for Calciners and Dryers. As a result of MM15, the allowable PM emissions increased from 98.71 to 103.09 tons per year.

   On September 4, 2021, MM15 proposed permit and statement of Basis emailed to EPA, State of Kentucky michael.kennedy@ky.gov and Nashville Local Program john.finke@nashville.gov. On September 24, 2021, Emily Ferrando from Air Permits Section of EPA Region 4, Atlanta GA, emailed the Division that they don’t have any comments on the MM15 proposed / draft permit. The Nashville EFO also didn’t have any comments. Therefore, on October 14, 2021, Minor Modification #15 to Title V permit No. 570069 was issued to this facility.
- Title V renewal Permit No. 577485 dated November 10, 2020

The Title V renewal application was submitted on time. During processing the application, the company submitted a Minor Modification request (dated November 3, 2021), which EPA was notified that shall be combined with Title V renewal permit. The latest Minor Modification is a request to modify Source 63-0135-39 by addition of a small tile cut line operation. The new small parts cut line emissions will be routed to the existing baghouse for Dry cut line No.2. The “Public” notice shall be posted on the Department Web Page on April 5, 2022.