

PUBLIC NOTICE

SumiRiko Tennessee, 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 **SumiRiko Tennessee, Inc.** with a site address of 150 Hester Lane, Tazewell, TN 37879. They have applied for renewal of their existing major source (Title V) operating permit for automotive parts manufacturing operations (Division identification number: 13-0083 and 582386).

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

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

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

Tennessee Department of Environment and
Conservation
Knoxville Environmental Field Office
Division of Air Pollution Control
3711 Middlebrook Pike
Knoxville, TN 37921

and

Tennessee Department of Environment and
Conservation
Division of Air Pollution Control
Davy Crockett Tower, 7th Floor
500 James Robertson Parkway
Nashville, TN 37243

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

<https://www.tn.gov/environment/ppo-public-participation/ppo-public-participation/ppo-air.html>

Questions concerning the source(s) may be addressed to Mr. J. Dolzen at (615) 393-9934 or by e-mail at Justin.Dolzen@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 **March 4, 2026**. 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, Davy Crockett Tower, 500 James Robertson Parkway, 7th Floor, Nashville, TN 37243.
2. **E-mail:** Submit electronic comments to air.pollution.control@tn.gov.

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

Individuals with disabilities who wish to review information maintained at the above-mentioned depositories should contact the Tennessee Department of Environment and Conservation to discuss any auxiliary aids or services needed to facilitate such review. Such contact may be in person, by writing, telephone, or other means, and should be made no less than ten days prior to the end of the public comment period to allow time to provide such aid or services. Contact the Tennessee Department of Environment and Conservation ADA Coordinator, Davy Crockett Tower, 5th Floor, 500 James Robertson Parkway, Nashville, TN 37243, (615) 532-0200. Hearing impaired callers may use the Tennessee Relay Service, 1-(800)-848-0298.

TITLE V PERMIT STATEMENT (RENEWAL)

Facility Name: SumiRiko Tennessee, Inc.

City: Tazewell

County: Claiborne

Applications Dated: May 20, 2024 (renewal), May 20, 2024 (minor modification), October 29, 2024 (renewal application revision), September 10, 2025 (minor modification), and December 2, 2025 (minor modification)

Date Application Deemed Complete: May 20, 2024 (complete as received)

Emission Source Reference No.: 13-0083

Permit No.: 582386

INTRODUCTION

This narrative is being provided to assist the reader in understanding the content of the attached Title V operating permit, and is written pursuant to Tennessee Air Pollution Control Rule 1200-03-09-.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 the above referenced facility, and to provide practical methods for assuring compliance with these requirements. This narrative is designed to accompany the Title V Operating Permit. It initially describes the facility receiving the permit, then the applicable requirements and their significance, and finally the compliance status with those applicable requirements. This narrative is intended only as an adjunct for the reviewer and has no legal standing. Any revisions made to the permit in response to comments received during the public participation process will be described in an addendum to this narrative.

Acronyms

PSD - Prevention of Significant Deterioration
NESHAP - National Emission Standards for Hazardous Air Pollutants
NSPS - New Source Performance Standards
MACT - Maximum Achievable Control Technology
NSR - New Source Review
GHGs - Greenhouse Gases
CAM - Compliance Assurance Monitoring

I. Identification Information

A. Source Description

This facility manufactures engine mounts and harmonic dampeners. Rubber parts are extruded then attached to metal parts using an adhesive material. The adhesive material is applied to the metal part by manual spray, automatic spray, roll coating, and tumble spraying. The final part is coated with a finish coat. This facility consists of three coating sources (Sources 02, 10, 36), wet blast systems (Source 35), urethane foam production lines (Source 38), three natural gas fired boilers (Sources 14, 39), and 300 rubber curing presses (insignificant activities).

B. Facility Classification

1. Attainment or Non-Attainment Area Location

Area is designated as an attainment area for all criteria pollutants.

2. Facility 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).

C. Regulatory Status

1. PSD/NSR

This facility is not a major source under PSD/NSR. This facility has taken a limit of 249.0 tons for VOC to avoid PSD.

2. Title V Major Source Status by Pollutant

Pollutant	Is the pollutant emitted?	If emitted, what is the facility's status?	
		Major Source Status	Non-Major Source Status
PM	Yes		X
PM ₁₀	Yes		X
SO ₂	Yes		X
VOC	Yes	X	
NO _x	Yes		X
CO	Yes		X
Individual HAP	Yes	X	
Total HAPs	Yes	X	
CO _{2e}	Yes		

3. MACT Standards

This facility is a major source for HAP emissions and is subject to the following final MACT Standards.

40 CFR Part 63, Subpart M MMM, National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products

40 CFR Part 63, Subpart III, National Emission Standards for Hazardous Air Pollutants for Flexible Polyurethane Foam Production

40 CFR Part 63, Subpart D D D D D National Emission Standards for Hazardous Air Pollutants for Institutional, Commercial, and Industrial Boilers and Process Heaters

4. Program Applicability

Are the following programs applicable to the facility?

PSD: No

NESHAP: Yes (see above)

NSPS: No

II. Compliance Information

A. Compliance Status

Is the facility currently in compliance with all applicable requirements?

If no, explain. (*yes*)

Are there any applicable requirements that will become effective during the permit term?

If yes, explain. (*no*)

III. Other Requirements

A. Emissions Trading

Not Applicable

B. Acid Rain Requirements

Not Applicable

C. Prevention of Accidental Releases

Not Applicable

IV. Public Participation Procedures

Notification of this draft permit was emailed to the following environmental agencies:

1. EPA – Region IV
2. State of Virginia, State of Kentucky
3. Knoxville Local Air Program
4. Knoxville EFO

V. Title V Permit History

Title V Permit No. 557491 (Initial) History

Initial Title V permit issued January 24, 2008

Minor Modification #1 issued June 3, 2008

Minor Modification #2 issued November 21, 2008

Administrative Amendment #1 issued April 22, 2010

Minor Modification #3 issued January 6, 2011

Minor Modification #4 issued January 16, 2012

Minor Modification #5 issued July 11, 2012

Minor Modification #6 issued January 8, 2013

Minor Modification #7 issued January 10, 2013

Title V Permit No. 566428 (Renewal) History

Title V Renewal permit issued July 1, 2013

Minor Modification #1 issued October 1, 2019

Minor Modification #2 issued July 9, 2018

Minor Modification #3 issued November 1, 2017

Significant Modification #1 issued August 24, 2017

Administrative Amendment #1 issued March 20, 2017

Title V Permit No. 573498 (Renewal) History

Title V Renewal permit issued November 25, 2019

Minor Modification #1 issued November 28, 2022

Title V Permit No. 582386 (Renewal) History

Title V Renewal permit issued draft

The following changes were incorporated:

Sections A-D	Updated Permit Shell
E1 and E2	Updated dates and format. Fee table was updated. Condition references for monitoring and recordkeeping requirements for the semiannual reports were updated. Condition E2(c)(ii) of permit 573498 was removed. 40 CFR §63.1306(e) allows the ACC required by Condition E2(b) to fulfill the reporting requirements for Subpart III. The permittee must identify all deviations from the requirements of Subpart III in the ACC required by Condition E2(b). CEDRI reporting requirements were added to E2(c).
E3	Condition E3-3 was replaced with a condition regarding records of repair and maintenance activities. Conditions E3-4 and E3-6 of permit 573498 were combined into Condition E3-4. Conditions E3-6, E3-7, E3-8 and E3-12 of permit 573498 were removed. Condition E3-11 was moved to Section E6. Condition E3-8 was added. Conditions were moved and renumbered as needed.
E4	Subpart MMMM requirements that are not applicable to this facility and compliance methods not utilized by this facility were removed. All applicable updates were incorporated. Conditions were renumbered as needed.
E5	Construction permit 981931 was incorporated. Equipment list was updated.
E6	Conditions were updated. Requirements were not changed. This source is required to calculate actual emissions of VOC, therefore fee condition (E6-4 of permit 573498) was removed due to being redundant. Equipment list was updated.
E7	This source previously did not have a combined source/facility VOC limit similar to the other coating sources. At the time of permit issuance, the permittee has stated that the source does not utilize any VOC-containing materials. Therefore, the compliance method is annual certification that no VOC-containing material is used at this source.
E8	Conditions were updated. This source is required to calculate actual emissions of VOC, therefore fee condition (E9-4 of permit 573498) was removed due to being redundant. This source has the potential to emit PM and is subject to TAPCR Chapter 7, a Chapter 7 PM limit was added as Condition E9-1. Conditions were renumbered as needed. Equipment list was updated.
E9	Conditions were updated. This source is required to calculate actual emissions of VOC, therefore the fee condition (E10-11 of permit 573498) was removed due to being redundant. Subpart III requirements which are not applicable were removed. Conditions were renumbered as needed. The condition containing the Subpart III reporting requirement (Condition E10-4) was updated to clarify that the AAC required by Condition E2(b) fulfills the reporting requirements of this subpart.
E10	Boiler #1 was replaced by a smaller boiler. Boiler #3 heat input capacity was increased and Boiler #2 capacity was decreased based on minor modification application dated December 2, 2025. Emission limitations were updated accordingly. Conditions related to initial notifications, notification of compliance status, and one time energy assessment were removed (requirements all fulfilled). Remaining condition numbering was updated as necessary. Agreement letter references were updated.
Attachment 2 of permit 573498	This attachment (Table 1 to Subpart MMMM of Part 63) was removed. It is now included in Condition E4-9. Subsequent attachments were renumbered.
Attachment 5	This attachment (Table 5 to Subpart MMMM of Part 63) was added.
Attachment 7 of permit 573498	This attachment (Table 3 to Subpart III of Part 63) was removed. It was not referenced in any permit condition.
Attachment 8	New agreement letters dated December 2, 2025, and December 19, 2025, were added

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 (TAPCR). 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: draft

Permit Number:

582386

Date Expires: draft

Issued To:

SumiRiko Tennessee, Inc.

Installation Address:

150 Hester Lane
Tazewell

Installation Description: Automotive Parts Manufacturing

02: Adhesive Coating with RTO Control

10: Finish Coating

35: Wet Blast Systems

36: Surface Coating of Fixtures

38: Urethane Foam Production Lines

14, 39: Three Natural Gas-Fired Boilers

Facility ID: 13-0083

Renewal Application Due Date:

Between draft, and draft

Primary SIC: 30

Information Relied Upon:

Minor Modification Application dated May 20, 2024

Renewal Application dated May 20, 2024

Revisions to Renewal Application dated October 2, 2024

Minor Modification Application dated September 10, 2025

Minor Modification Application dated November 25, 2025

(continued on the next page)

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 6	Table 1 to Subpart III of Part 63—Applicability of General Provisions to Subpart III	2 pages
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SECTION A

GENERAL PERMIT CONDITIONS

A permit issued under the provisions of Tennessee Air Pollution Control Regulations (TAPCR) 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 regulations.

TAPCR 1200-03 and 0400-30

- A2. **Compliance requirement.** All terms and conditions in a permit issued pursuant to TAPCR 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 fee in accordance with TAPCR 1200-03-26-.02(9) based upon the applicable base fee; the applicable permit modification fee(s); 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 the applicable base fee; the applicable permit modification fee(s); and 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 TAPCR Rule 1200-03-26-.02 and paragraph 1200-03-09-.02(11) applicable to such fees.

(d) Where more than one 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 TAPCR paragraph 1200-03-26-.02(9) shall apportion their emissions as follows to ensure that their fees are not double counted.

1. Emissions of hazardous air pollutants (HAP) that are included in the particulate matter (including PM₁₀) category or the volatile organic compound category shall be included in those categories.

2. HAP that are not included in either the particulate matter category or volatile organic compound category shall be included in the category of Hazardous Air Pollutants Not Included Above.

3. Each individual HAP is subject to the 4,000 ton cap provisions of TAPCR subparagraph 1200-03-26-.02(2)(i).

4. Major sources that wish to pay annual emission fees for PM₁₀ on an allowable emission basis may do so if they have a specific PM₁₀ allowable emission standard. If a major source has a total particulate emission standard, but wishes to pay annual emission fees on an actual PM₁₀ emission basis, it may do so if the PM₁₀ actual emission levels are proven to the satisfaction of the Technical Secretary. The method to demonstrate the actual PM₁₀ emission levels must be made as part of the source's major source operating permit in advance in order to exercise this option. The PM₁₀ emissions reported under these options shall not be subject to fees under the family of particulate emissions. The 4,000-ton cap provisions of TAPCR subparagraph 1200-03-26-.02(2)(i) shall also apply to PM₁₀ emissions.

(e) Emissions of pollutants that do not fall in one of the listed categories shall be included in the category of Miscellaneous Pollutants Not Listed Above. Each miscellaneous pollutant is subject to the 4,000-ton cap provisions.

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 the TAPCR, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(e) "Reasonable times" shall be considered to be customary business hours unless reasonable cause exists to suspect noncompliance with the Act, TAPCR 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.
- (d) The permit shield does not apply to permit changes made under the minor permit modification procedures of TAPCR subpart 1200-03-09-.02(11)(f)5(ii) nor the administrative permit amendment procedures of TAPCR part 1200-03-09-.02(11)(f)4, except that the permit shield may be extended for administrative permit amendments that meet the relevant requirements of TAPCR subparagraph 1200-03-09-.02(11)(e), subparagraph 1200-03-09-.02(11)(f) and subparagraph 1200-03-09-.02(11)(g) for significant permit modifications.
- (e) The permit shield does not apply to off-permit changes made under the operational flexibility provisions of TAPCR part 1200-03-09-.02(11)(a)4.

TAPCR 1200-03-09-.02(11)(e)6 and 1200-03-09-.02(11)(f)4(iv)

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 TAPCR 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 TAPCR part 1200-03-09-.02(11)(a)2.
 2. Additional requirements become applicable to an affected source under the acid rain program.
 3. The Technical Secretary or EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
 4. The Technical Secretary or EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
- (b) Proceedings to reopen and issue a permit shall follow the same proceedings as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists, and not the entire permit. Such reopening shall be made as expeditiously as practicable.
- (c) Reopenings for cause shall not be initiated before a notice of such intent is provided to the permittee by the Technical Secretary at least 30 days in advance of the date that the permit is to be reopened except that the Technical Secretary may provide a shorter time period in the case of an emergency. An emergency shall be established by the criteria of T.C.A. 68-201-109 or other compelling reasons that public welfare is being adversely affected by the operation of a source that is in compliance with its permit requirements.
- (d) If the Administrator finds that cause exists to terminate, modify, or revoke and reissue a permit as identified in A13, he is required under federal rules to notify the Technical Secretary and the permittee of such findings in writing. Upon receipt of such

notification, the Technical Secretary shall investigate the matter in order to determine if he agrees or disagrees with the Administrator's findings. If he agrees with the Administrator's findings, the Technical Secretary shall conduct the reopening in the following manner:

1. The Technical Secretary shall, within 90 days after receipt of such notification, forward to EPA a proposed determination of termination, modification, or revocation and reissuance, as appropriate. If the Administrator grants additional time to secure permit applications or additional information from the permittee, the Technical Secretary shall have the additional time period added to the standard 90-day time period.
2. EPA will evaluate the Technical Secretary's proposed revisions and respond as to their evaluation.
3. If EPA agrees with the proposed revisions, the Technical Secretary shall proceed with the reopening in the same manner prescribed under Condition A13(b) and Condition A13(c).
4. If the Technical Secretary disagrees with either the findings or the Administrator that a permit should be reopened or an objection of the Administrator to a proposed revision to a permit submitted pursuant to Condition A13(d), he shall bring the matter to the Board at its next regularly scheduled meeting for instructions as to how he should proceed. The permittee shall be required to file a written brief expressing their position relative to the Administrator's objection and have a responsible official present at the meeting to answer questions for the Board. If the Board agrees that EPA is wrong in their demand for a permit revision, they shall instruct the Technical Secretary to conform to EPA's demand, but to issue the permit under protest preserving all rights available for litigation against EPA.

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

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

- (a) Transfer of ownership permit application is filed consistent with the provisions of TAPCR paragraph 1200-03-09-.03(6), and
- (b) written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new permittee has been submitted to the Technical Secretary.

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

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

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

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

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

- (a) change in air pollution control equipment
- (b) change in stack height or diameter
- (c) change in exit velocity of more than 25 percent or exit temperature of more than 15 percent based on absolute temperature.

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

A18. Schedule of compliance. The permittee will comply with any applicable requirement that becomes effective during the permit term on a timely basis and no later than required by the provisions of the new applicable requirement. 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, 1200-03-09-.03(8), 0400-30-38, 0400-30-39, and 40 CFR Part 70.5(c)

A19. Title VI.

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

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

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

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

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

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 during the certification period; such methods and other means shall include, at a minimum, the methods and means required by this permit. If necessary, the owner or operator also shall identify any other material information that must be included in the certification to comply with section 113(c)(2) of the Federal Act, which prohibits knowingly making a false certification or omitting material information;
- (c) The status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certification shall be based on the method or means designated in B5(b) above. The certification shall identify each deviation and take it into account in the compliance certification. The certification shall also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion* or exceedance** as defined below occurred; and
- (d) Such other facts as the Technical Secretary may require to determine the compliance status of the source.

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

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

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

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

The Tennessee Department of Environment and Conservation Environmental Field Office specified in Section E of this permit	and	US Environmental Protection Agency Central Data Exchange System(CDX)
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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 TAPCR Rule 1200-03-20-.03. For the purposes of this condition, "emergency" shall be substituted for "malfunction(s)" in TAPCR 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 TAPCR Divisions 1200-03 and 0400-30 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 TAPCR 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, the probable cause of the deviation, and any corrective actions or preventative measures taken. 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 TAPCR 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 days after receipt of the notice of violation, the data required below. If this data has been made 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 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(s) 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 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 TAPCR Chapter 1200-03-30.
- (b) The change cannot be a modification under any provision of Title I of the federal Act or TAPCR 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 TAPCR 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 TAPCR 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 TAPCR Division 1200-03 and the changes do not exceed the emissions allowable under the permit. The permittee must, however, provide the Administrator and Technical Secretary with written notification within a minimum of 7 days in advance of the proposed changes. The Technical Secretary may waive the 7-day advance notice in instances where the source demonstrates in writing that an emergency necessitates the change. Emergency shall be demonstrated by the criteria of TAPCR part 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 part 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 TAPCR part 1200-03-09-.02(11)(f)4. The source may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request.

(b) The permit shield shall be extended as part of an administrative permit amendment revision consistent with the provisions of TAPCR part 1200-03-09-.02(11)(e)6 for such revisions made pursuant to item (c) of this condition which meet the relevant requirements of TAPCR subparagraph 1200-03-09-.02(11)(e), TAPCR subparagraph 1200-03-09-.02(11)(f) and TAPCR subparagraph 1200-03-09-.02(11)(g) for significant permit modifications.

(c) Proceedings to review and grant administrative permit amendments shall be limited to only those parts of the permit for which cause to amend exists, and not the entire permit.

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

C4. Minor permit modifications.

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

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

C5. Significant permit modifications.

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

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

C6. New construction or modifications.

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

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

(a) With the exception of air emission sources exempt from the requirements of TAPCR Chapter 1200-03-05 and air emission sources for which a different opacity standard is specifically provided elsewhere in this permit, the permittee shall not cause, suffer, allow or permit discharge of a visible emission from any air contaminant source with an opacity in excess of twenty (20) percent for an aggregate of more than five (5) minutes in any one (1) hour or more than 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 20 percent (6-minute average) except for one six minute period per one hour of not more than 40 percent opacity. Sources constructed or modified after July 7, 1992, shall utilize 6-minute averaging.

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

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

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

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

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

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

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

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

D6. Sulfur dioxide emission standards. The permittee shall not cause, suffer, allow, or permit sulfur dioxide emissions from process and non-process sources in excess of the standards in TAPCR Chapter 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 stockpiles, 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 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 TAPCR Chapter 1200-03-20.

TAPCR 1200-03-08

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

TAPCR 1200-03-04

D9. Asbestos. Where applicable, the permittee shall comply with the requirements of 40 CFR Part 61 when conducting any renovation or demolition activities at the facility.

TAPCR 0400-30-38-.01(2) and 40 CFR, Part 61

D10. Annual certification of compliance. The generally applicable requirements set forth in Section D of this permit are intended to apply to activities and sources that are insignificant emission units or activities. By annual certification of compliance with the conditions in this Section the permittee shall be considered to meet the monitoring and related record keeping and reporting requirements of TAPCR subpart 1200-03-09-.02(11)(e)1(iii) and part 1200-03-10-.04(2)(b)1 and the compliance requirements of TAPCR subpart 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. The permittee shall comply with all applicable requirements of TAPCR Chapter 0400-30-38 for all emission sources subject to a requirement contained therein.

D12. Standards of performance for new stationary sources. The permittee shall comply with all applicable requirements of TAPCR chapters 0400-30-39 and 1200-03-16 for all emission sources subject to a requirement contained therein.

D13. Gasoline dispensing facilities. The permittee shall comply with all applicable requirements of TAPCR Rule 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 TAPCR Rule 0400-30-38-.01.

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

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

TAPCR 0400-30-38 and 39

D15. Routine maintenance requirements. The permittee shall maintain and repair each 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)

SECTION E

SOURCE SPECIFIC EMISSION STANDARDS, OPERATING LIMITATIONS, AND MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

13-0083	Facility Description:	SumiRiko Tennessee, Inc. manufactures engine mounts and harmonic dampeners. Rubber parts are extruded then attached to metal parts using an adhesive material. The adhesive material is applied to the metal part by spraying, dipping or rolling. The final part is coated with a finish coat.
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Conditions E1 through E3 apply to all sources in section E of this permit unless otherwise noted.

E1. Fee Payment

FEE EMISSIONS SUMMARY TABLE FOR MAJOR SOURCE 13-0083

REGULATED POLLUTANTS	ALLOWABLE EMISSIONS (tons per AAP)	ACTUAL EMISSIONS (tons per AAP)	COMMENTS
PARTICULATE MATTER (PM)	68.72	AEAR	
SO₂	1.32	AEAR	
VOC	249.0	AEAR	
NO_x	10.17	AEAR	
Facility-Wide Total HAP Limit	-	AEAR	
Facility-Wide Individual HAP Limit	-	AEAR	
HAZARDOUS AIR POLLUTANTS (HAPs) NOT INCLUDED ABOVE*			
		AEAR	
		AEAR	
		AEAR	
MISCELLANEOUS POLLUTANTS NOT LISTED ABOVE**			
EACH MISC POLLUTANT NOT LISTED ABOVE			
		AEAR	

NOTES

AAP The Annual Accounting Period (AAP) is a 12 consecutive month period that **either (a) begins each July 1st and ends June 30th of the following year when fees are paid on a fiscal year basis, or (b) begins January 1st and ends December 31st of the same year when paying on a calendar year basis.** The AAP at the time of permit renewal issuance **began July 1, 2025, and ends June 30, 2026.** The next AAP begins **July 1, 2026, and ends June 30, 2027,** 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 [PM], SO₂, VOC, NO_x and so forth. See TAPCR 1200-03-26-.02(2)(i) for the definition of a regulated pollutant.),
- (2) the “**HAP Not Included Above**” **Category (non-VOC and non-PM HAP not included in a facility-wide limit)**, and
- (3) the **Miscellaneous Category**

under consideration during the **Annual Accounting Period**.

* **Hazardous Air Pollutants Not Included Above:** This category is made-up of hazardous air pollutants that are not included in the VOC or PM category, such as HCl and HF, and are not included in a facility-wide HAP emission limitation. **For fee computation,** each individual hazardous air pollutant is subject to the 4,000-ton cap provisions of subparagraph 1200-03-26-.02(2)(i) of the TAPCR.

** **Miscellaneous Pollutants Not Listed Above:** This category is for pollutants that are not included in one of the other categories but for which an emission limitation has been established in this permit (including NSPS pollutants). **For fee computation,** each pollutant in this category is subject to the 4,000-ton cap provisions of subparagraph 1200-03-26-.02(2)(i).

END NOTES

- The permittee shall:**
- (1) Pay Title V **annual fees** (including the emissions fee, base fee, significant modification fee, & minor modification fee), 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)(a). Fees may be paid on an **actual, allowable, or mixed** emissions basis, and on either a **state fiscal year** or a **calendar year**, provided the requirements of TAPCR 1200-03-26-.02(9)(b) are met. If any part of any fee imposed under TAPCR 1200-03-26-.02 is not paid within 15 days of the due date, penalties shall at once accrue as specified in TAPCR 1200-03-26-.02(8).
 - (2) Sources paying annual fees on an allowable emissions basis: pay annual fees for each AAP no later than April 1 of each year pursuant to TAPCR 1200-03-26-.02(9)(d). TAPCR 1200-03-26-.02(9)(a)2(i)
 - (3) Sources paying annual fees on a calendar year basis and an actual or mixed emissions basis: pay annual allowable based emission fees for each AAP no later than April 1 of each year pursuant to TAPCR 1200-03-26-.02(9)(d), except as allowed by TAPCR 1200-03-26-.02(9)(g)3. TAPCR 1200-03-26-.02(9)(a)2(ii)
 - (4) Sources paying annual fees on a fiscal year basis and an actual or mixed emissions basis: for each AAP, pay an estimated 65% of the fee due no later than April 1 of the current fiscal year. The remainder of the fee for each annual accounting period is due no later than August 1 of each year pursuant to TAPCR 1200-03-26-.02(9)(d), except as allowed by TAPCR 1200-03-26-.02(9)(g)3. TAPCR 1200-03-26-.02(9)(a)2(iii)
 - (5) Sources paying annual fees on an actual emissions basis: prepare an **actual emissions analysis** for each AAP and pay **actual based emission fees** pursuant to TAPCR 1200-03-26-.02(9)(d). The **actual emissions analysis** shall include:
 - (a) the completed **Fee Emissions Summary Table**,
 - (b) each **actual emissions analysis** required, and
 - (c) the actual emission records for each pollutant and each source as required for actual emission fee determination, or a summary of the actual emission records required for fee determination, as specified by the Technical Secretary or the Technical Secretary’s representative. The summary must include sufficient information for the Technical Secretary to determine the accuracy of the calculations. These calculations must be based on the Fee Year 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**.

- TAPCR 1200-03-26-.02(9)(g)2
- (6) Sources paying annual fees on a Fee Choice of a mixed emissions basis: for all pollutants and all sources for which the permittee has chosen an actual emissions basis, prepare an **actual emissions analysis** for each AAP and pay **actual based emission fees** pursuant to TAPCR 1200-03-26-.02(9)(d). The **actual emissions analysis** shall include:
 - (a) the completed **Fee Emissions Summary Table**,
 - (b) each **actual emissions analysis** required, and
 - (c) the actual emission records for each pollutant and each source as required for actual emission fee determination, or a summary of the actual emission records required for fee determination, as specified by the Technical Secretary or the Technical Secretary’s representative. The summary must include sufficient information for the Technical Secretary to determine the accuracy of the calculations. These calculations must be based on the Fee Year 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 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).
- TAPCR 1200-03-26-.02(9)(g)2
- (7) When paying on an actual or mixed emissions basis, submit the **actual emissions analyses** at the time the fees are paid in full or earlier.
- TAPCR 1200-03-26-.02(9)(g)2
- (8) Include with each required AEAR report the following statement signed by the Responsible Official: *“I have reviewed this document in its entirety, and to the best of my knowledge, based on information and belief formed after reasonable inquiry, the statements and information contained in this document are true, accurate, and complete.”*
- TAPCR 1200-03-09-.02(11)(d)4

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

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

Payment of Fee to:

Tennessee Department of Environment and Conservation
 Division of Fiscal Services
 Consolidated Fee Section – APC
 Davy Crockett Tower, 6th Floor
 500 James Robertson Parkway
 Nashville, Tennessee 37243

Actual Emissions Analyses to:

A “Title V Emissions Summary Form” and the AEAR must be submitted electronically as directed by the Division. Additional information can be found at <https://www.tn.gov/environment/air/inventory.html>

TAPCR 1200-03-26-.02(3), (8), and (9), and TAPCR 1200-03-09-.02(11)(e)1(vii)

E2. Reporting requirements.

- (a) **Semiannual reports.** Semiannual reports shall cover the six-month periods from **January 1 to June 30** and **July 1 to December 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:

Permit Number	Reporting Period Begins	Reporting Period Ends
573498	January 1, 2026	draft
582386	draft	June 30, 2026

These semiannual reports shall include:

- (1) Any monitoring and recordkeeping required by **Conditions E3-5, E3-8, E5-3, E5-6, E6-2, E7-1, E8-2, and E9-10** of this permit. However, a summary report of this data is acceptable provided there is sufficient information to enable the Technical Secretary to evaluate compliance.
- (2) The visible emission evaluation readings from **Condition E3-2** 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**. The record of deviations/excursions shall include, at a minimum, the time the deviation/excursion was discovered, the corrective action taken, and the time that the deviation/excursion was rectified.

These reports must be certified by a responsible official consistent with condition B4 of this permit and shall be submitted to The Technical Secretary at the address in Condition E2(b) of this permit.

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

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

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

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

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

Annual compliance certifications shall cover the 12-month period from **July 1** to **June 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:

Permit Number	Reporting Period Begins	Reporting Period Ends
573498	January 1, 2026	Draft
582386	Draft	June 30, 2026

These certifications shall be submitted to:

TN APCD and EPA

**Division of Air Pollution Control
Knoxville Environmental Field Office
3711 Middlebrook Pike
Knoxville, TN 37921
or
APC.KnoxEFO@tn.gov**

and

**Air Enforcement Branch
US EPA Region IV
61 Forsyth Street, SW
Atlanta, Georgia 30303
or
Through the EPA CDX
(<https://cdx.epa.gov/>)**

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

- (c) **40 CFR 63, Subpart MMMM Semiannual Reports.** National Emission Standards for Hazardous Air Pollutants (NESHAP) semiannual reports for 40 CFR Part 63 Subpart MMMM -National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products (Subpart MMMM) shall be submitted to the Division for any monitoring and recordkeeping required by Subpart MMMM. The reports shall contain the records required by **Condition E4-12** of this permit. Semiannual reports shall cover the six-month periods from **January 1 to June 30** and **July 1 to December 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:

Permit Number	Reporting Period Begins	Reporting Period Ends
573498	January 1, 2026	draft
582386	draft	June 30, 2026

Required Subpart MMMM reports must be addressed to the Technical Secretary and submitted to the address listed in **Condition E2(d)**.

Pursuant to §63.3920(f) and **Condition E4-50**, the permittee must submit the semiannual compliance reports required by this condition to EPA via the Compliance and Emissions Data Reporting Interface (CEDRI). If the reporting form for the semiannual compliance report specific to Subpart MMMM is not available in CEDRI at the time that the report is due, the permittee must submit the report to the Administrator at the address listed below.

Air Enforcement Branch
US EPA Region IV
61 Forsyth Street, SW
Atlanta, Georgia 30303-8960

- (d) **40 CFR 63, Subpart DDDDD Biennial Reports.** NESHAP biennial reports for 40 CFR Part 63 Subpart DDDDD - National Emission Standards for Institutional, Commercial, and Industrial Boilers and Process Heaters (Subpart DDDDD) as required by **Condition E11-15**, shall be submitted to the Division for any monitoring and recordkeeping required by Subpart DDDDD. The reports shall contain the records required by **Condition E11-15**. Compliance reports must cover the applicable periods from January 1 to December 31. Compliance reports must be postmarked or submitted by January 31.

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 at the email address below.

**Tennessee Division of Air Pollution Control
Permitting Section
Davy Crockett Tower
500 James Robertson Parkway, 7th Floor
Nashville, TN 37243**

or Air.Pollution.Control@tn.gov

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

Note that each NESHAP Report, Title V Semiannual Report (SAR), and each Title V Annual Compliance Certification (ACC) must be submitted under separate cover and each report must be accompanied by a separate compliance certification statement.

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

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

E3. General Permit Requirements.

E3-1. Identification of Responsible Official, Technical Contact, and Billing Contact of the permitted facility:

- (a) The application that was utilized in the preparation of this permit is dated May 20, 2024, and signed by Responsible Official Greg Morrow, Vice President of the permitted facility. If this person terminates employment or is assigned different duties and is no longer a Responsible Official for this facility as defined in part 1200-03-09-.02(11)(b)21 of the Tennessee Air Pollution Control Regulations, the owner or operator of this air contaminant source shall notify the Technical Secretary of the change. Said notification must be in writing and must be submitted within 30 days of the change. The notification shall include the name and title of the new Responsible Official and certification of truth and accuracy. All representations, agreement to terms and conditions, and covenants made by the former Responsible Official that were used in the establishment of the permit terms and conditions will continue to be binding on the facility until such time that a revision to this permit is obtained that would change said representations, agreements, and/or covenants.
- (b) The application that was utilized in the preparation of this permit is dated May 20, 2024, and identifies Dorothy Anglin 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 30 days of the change. The notification shall include the name and title of the new Principal Technical Contact and certification of truth and accuracy.
- (c) The application that was utilized in the preparation of this permit is dated May 20, 2024, and identifies Dorothy Anglin as the Billing Contact for the permitted facility. If this person terminates employment or is assigned different duties and is no longer the Billing Contact for this facility, the owner or operator of this air contaminant source shall notify the Technical Secretary of the change. Said notification must be in writing and must be submitted within 30 days of the change. The notification shall include the name and title of the new Billing Contact and certification of truth and accuracy.

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

- E3-2.** Visible emissions from this facility shall not exhibit greater than 20% opacity, except for one six-minute period in any one-hour period and for no more than four six-minute periods in any 24-hour period. Visible emissions 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) and 1200-03-05-.01(1)

Compliance Method: Compliance with this opacity limitation shall be demonstrated through utilization of the Division's Opacity Matrix dated June 18, 1996 (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.

- E3-3.** Records of all repair and maintenance activities required by **Condition D15** 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 from activity completion.

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

E3-4. The following recordkeeping requirements shall apply to this facility:

- (a) For monthly recordkeeping, all data, including the results of all calculations, must be entered into the log no later than 30 days from the end of the month for which the data is required.
- (b) For weekly recordkeeping, all data, including the results of all calculations, must be entered into the log no later than seven days from the end of the week for which the data is required.
- (c) For daily recordkeeping, all data, including the results of all calculations, must be entered into the log no later than seven days from the end of the day for which the data is required.

Logs and records specified in this permit shall be kept readily available/accessible and made available upon request by the Technical Secretary or a Division representative and shall be retained for a period of not less than five years unless otherwise noted. Logs and records contained in this permit are based on a recommended format. Any logs that have an alternative format may be utilized provided such logs contain the same or equivalent information that is required. Computer-generated logs are also acceptable.

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

E3-5. VOC emitted from this facility, including emissions from insignificant emission units and activities, shall not exceed 249.0 tons during any period of 12 consecutive months. The permittee has requested this limit in order to avoid PSD review.

Rubber curing presses generate 192 tons per year of VOC. (based on 300 rubber curing presses)
 The three boilers generate 0.59 tons per year of VOC

TAPCR 1200-03-09-.01(4) and the agreement letter dated December 2, 2025 (Attachment 8)

Compliance Method: The permittee shall assure compliance with this emission limit by calculating the actual quantities of VOC emitted from this facility each month and during all intervals of 12 consecutive months. VOC emissions from fuel combustion (including control equipment), and insignificant activities not specifically listed in this condition, shall be included in this calculation. The permittee shall maintain the monthly and 12 consecutive month logs in the format below, or an alternative format that readily provides the same information.

Facility-Wide VOC Emissions Log		
Month/Year:		
Emission Source Number	VOC (ton/month)	VOC (ton/current month plus previous 11 months)
13-0083-02		
13-0083-10		
13-0083-35		
13-0083-36		
13-0083-38		
13-0083-14 and 39		
Insignificant Activities		
Fuel Combustion*		
Total		

*Fuel combustion not included as part of an insignificant activity or in source 14 and 39

E3-6. The as-supplied VOC and hazardous air pollutant (HAP) content of all VOC and HAP-containing materials (all coatings, inks, adhesives, thinners, and solvents) to be used by this facility shall be determined from Safety Data Sheets (SDS) or manufacturer or vendor formulation data which explicitly list the VOC and HAP content by weight. If new materials are used, or if material formulation is changed, logs used to calculate emissions of VOC and HAP shall be updated within 30 days from the initial date of usage of the new or altered material.

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

Compliance Method: Purchase orders and/or invoices for all VOC- and HAP-containing materials, along with current SDS, must be maintained and kept available for inspection by the Technical Secretary or a Division representative. The SDS must explicitly list the VOC and HAP content by weight for all VOC- and HAP-containing materials. If SDS are not available with

this information, vendor formulation data containing the required information for those materials must also be maintained. Scanned documents (maintained electronically) may be used to fulfill this requirement.

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

E3-7. Insignificant activities (as defined at TAPCR 1200-03-09-.04(5)) for this facility are listed in the approved application dated May 20, 2024. 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 2 application form along with a truth, accuracy, and completeness statement signed by a responsible official.

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

E3-8. The combined maximum emission rate of VOC from the coating of miscellaneous metal parts and products, as defined below, from this facility, shall not exceed 99.9 tons during any interval of 12 consecutive months. This limit excludes cleanup solvents facility-wide and coatings not applied directly to metal parts at this facility.

“Miscellaneous metal parts and products” means any metal part or metal product, even if attached to or combined with a nonmetal part or product. Miscellaneous metal parts and products include, but are not limited to:

- (a) Large farm machinery (harvesting, fertilizing and planting machines, tractors, combines, etc);
- (b) Small farm machinery (lawn and garden tractors, lawn mowers, rototillers, etc.);
- (c) Small appliances (fans, mixers, blenders, crock pots, dehumidifiers, vacuum cleaners, etc.);
- (d) Commercial machinery (office equipment, computers and auxiliary equipment, typewriters, calculators, vending machines, etc.);
- (e) Industrial machinery (pumps, compressors, conveyor components, fans, blowers, transformers, etc.);
- (f) Fabricated metal products (metal covered doors, frames, etc.);
- (g) Any other industrial category that coats metal parts or products under the Standard Industrial Classification Codes of Major Group 33 (primary metal industries), Major Group 34 (fabricated metal products), Major Group 35 (nonelectric machinery), Major Group 36 (electrical machinery), Major Group 37 (transportation equipment), Major Group 38 (miscellaneous instruments), and Major Group 39 (miscellaneous manufacturing industries); and
- (h) Application of underbody antichip materials (e.g., underbody plastisol) and coating application operations other than prime, primer surface, topcoat, and final repair operations at automobile and light-duty truck assembly plants.

“Coating” means a material applied onto or impregnated into a substrate for protective, decorative, or functional purposes. Such materials include, but are not limited to, paints, varnishes, sealants, adhesives, maskants, and temporary protective coatings.

TAPCR 1200-03-18-.02(2), 1200-03-18-.01(11), 1200-03-18-.20(1)(b)(3)(iii), 1200-03-18.20(2)(i), and the agreement letter December 2, 2025 (Attachment 8)

Compliance Method: The permittee shall calculate the actual quantity of VOC emitted from coating of miscellaneous metal parts and products at this facility during each calendar month and during any interval of 12 consecutive months. The permittee shall maintain records of these emissions in a form that readily demonstrates compliance with this condition (see example logs below). These logs shall be kept available for inspection by the Technical Secretary or a Division representative and must be retained for a period of not less than five years.

Monthly VOC Log for Coating of Miscellaneous Metal Parts and Products				
Month/Year:				
Source No.	Coating Name	Usage (gal/month)	VOC Content (lb/gallon)	VOC Emissions (tons/month)
	Coating ₁			
	Coating ₂			
	Coating _i			
	Coating ₁			
	Coating ₂			
	Coating _i			
Total				

12 Consecutive Month Log of VOC Emissions from Coating of Miscellaneous Parts and Products		
Month/Year	Total VOC Emissions (Tons/Month)	Total VOC Emissions* (Tons VOC/12 Months)

* The tons per 12 consecutive month value is the sum of the VOC emissions in the 11 months preceding the month just completed + the VOC emissions in the month just completed.

E4. Requirements of 40 CFR Part 63, Subpart MMMM – NESHAP for Surface Coating of Miscellaneous Metal Parts and Products

E4-1. The permittee is subject to and shall comply with all applicable requirements of 40 CFR 63, Subpart MMMM – National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products (Subpart MMMM), including but not limited to the requirements summarized in **Conditions E4-1** through **E4-52**. The permittee operates an existing affected source that uses 250 gallons per year, or more, of coatings that contain HAP in the surface coating of miscellaneous metal parts and products, and the permittee is a major source of HAP.

Surface coating is the application of coating to a substrate using, for example, spray guns or dip tanks. When application of coating to a substrate occurs, then surface coating also includes associated activities, such as surface preparation, cleaning, mixing, and storage. However, these activities do not comprise surface coating if they are not directly related to the application of the coating. Coating application with handheld, non-refillable aerosol containers, touch-up markers, marking pens, or the application of paper film or plastic film which may be pre-coated with an adhesive by the manufacturer are not coating operations for the purposes of Subpart MMMM.

The source category to which subpart MMMM applies is the surface coating of any miscellaneous metal parts or products, as described below, and it includes the subcategories listed in paragraphs (a) through (e) of this condition.

- The general use coating subcategory includes all surface coating operations that are not high performance, magnet wire, rubber-to-metal, or extreme performance fluoropolymer coating operations.
- The high performance coating subcategory includes surface coating operations that are performed using coatings that meet the definition of high performance architectural coating or high temperature coating in §63.3981.
- The magnet wire coating subcategory includes surface coating operations that are performed using coatings that meet the definition of magnet wire coatings in §63.3981.
- The rubber-to-metal coatings subcategory includes surface coating operations that are performed using coatings that meet the definition of rubber-to-metal coatings in §63.3981.
- The extreme performance fluoropolymer coatings subcategory includes surface coating operations that are performed using coatings that meet the definition of extreme performance fluoropolymer coatings in §63.3981.

The following process emission sources located at this facility have been identified as being subject to the applicable requirements of Subpart MMMM:

Source Number	Description
13-0083-02	Adhesive Coating with RTO Control
13-0083-10	Finish Coating
13-0083-35	Wet Blast Systems
13-0083-36	Surface Coating of Fixtures

40 CFR §63.3881, TAPCR 1200-03-09-.03(8), and 0400-30-38-.01(1)

E4-2. Subpart MMMM applies to each new, reconstructed, and existing affected source within each of the subcategories listed in **Condition E4-1**. The affected source is the collection of all of the items listed in paragraphs (a) through (d) of this condition that are used for surface coating of miscellaneous metal parts and products within each subcategory.

- All coating operations as defined in §63.3981;
- All storage containers and mixing vessels in which coatings, thinners and/or other additives, and cleaning materials are stored or mixed;

- (c) All manual and automated equipment and containers used for conveying coatings, thinners and/or other additives, and cleaning materials; and
- (d) All storage containers and all manual and automated equipment and containers used for conveying waste materials generated by a coating operation.

40 CFR §63.3882

E4-3. The permittee must limit organic HAP emissions to the atmosphere from the affected source to the applicable limit specified in paragraphs (a) through (e) of this condition, except as specified in **Condition E4-4**, determined according to the requirements in **Conditions E4-16 through E4-20**, **Condition E4-22**, or **Conditions E4-25 through E4-33**.

- (a) For each general use coating affected source, limit organic HAP emissions to no more than 2.6 pounds organic HAP per gallon coating solids used during each 12-month compliance period.
- (b) For each high performance coating affected source, limit organic HAP emissions to no more than 27.5 pounds organic HAP per gallon coating solids used during each 12-month compliance period.
- (c) For each magnet wire coating affected source, limit organic HAP emissions to no more than 1.0 pounds organic HAP per gallon coating solids used during each 12-month compliance period.
- (d) For each rubber-to-metal coating affected source, limit organic HAP emissions to no more than 37.7 pounds organic HAP per gallon coating solids used during each 12-month compliance period.
- (e) For each extreme performance fluoropolymer coating affected source, limit organic HAP emissions to no more than 12.4 pounds organic HAP per gallon coating solids used during each 12-month compliance period.

40 CFR §63.3890(b)

Compliance Method: Compliance with this condition is demonstrated through compliance with **Conditions E4-17 through E4-21**, **E4-22** and **E4-23**, and/or **E4-24 through E4-35** and the recordkeeping required by **Condition E4-14**.

E4-4. If the permittee's surface coating operations meet the applicability criteria of more than one of the subcategory emission limits specified in **Condition E4-3**, the permittee may comply separately with each subcategory emission limit or comply using one of the alternatives in paragraph (a) or (b) below.

- (a) If the general use or magnet wire surface coating operations subject to only one of the emission limits specified in **Condition E4-3** account for 90 percent or more of the surface coating activity at the facility (*i.e.*, it is the predominant activity at the facility), then compliance with that one emission limitation in Subpart Mmmm for all surface coating operations constitutes compliance with the other applicable emission limits. The permittee must use gallons of solids used as a measure of relative surface coating activity over a representative period of operation. The permittee may estimate the relative volume of coating solids used from parameters other than coating consumption and volume solids content (*e.g.*, design specifications for the parts or products coated and the number of items produced). The determination of predominant activity must accurately reflect current and projected coating operations and must be verifiable through appropriate documentation. The use of parameters other than coating consumption and volume solids content must be approved by the Administrator. The permittee may use data for any reasonable time period of at least 1 year in determining the relative amount of coating activity, as long as they represent the way the source will continue to operate in the future and are approved by the Administrator. The permittee must determine the facility's predominant activity annually and include the determination in the next semi-annual compliance report required by **Condition E4-12**.
- (b) The permittee may calculate and comply with a facility-specific emission limit as described in paragraphs (b)(i) through (iii) of this condition. If the permittee elects to comply using the facility-specific emission limit alternative, then compliance with the facility-specific emission limit and the emission limitations in Subpart Mmmm for all surface coating operations constitutes compliance with this and other applicable surface coating NESHAP. In calculating a facility-specific emission limit, the permittee must include coating activities that meet the applicability criteria of the other subcategories and constitute more than 1 percent of total coating activities. Coating activities that meet the applicability criteria of other surface coating NESHAP but comprise less than 1 percent of coating activities need not be included in the determination of predominant activity but must be included in the compliance calculation.
 - (i) The permittee is required to calculate the facility-specific emission limit for the facility on a monthly basis using the coating data for the relevant 12-month compliance period.
 - (ii) Use Equation 1 of this condition to calculate the facility-specific emission limit for the surface coating operations for each 12-month compliance period.

$$\text{Facility – Specific Emission Limit} = \frac{\sum_{i=1}^n (\text{Limit}_i) (\text{Solids}_i)}{\sum_{i=1}^n (\text{Solids}_i)} \quad (\text{Eq. 1})$$

Where:

Facility-specific emission limit = Facility-specific emission limit for each 12-month compliance period, pounds organic HAP per pound coating solids used.

Limit_i = The new source or existing source emission limit applicable to coating operation, i, included in the facility-specific emission limit, converted to pounds organic HAP per pounds coating solids used, if the emission limit is not already in those units. All emission limits included in the facility-specific emission limit must be in the same units.

Solids_i = The gallons of solids used in coating operation, i, in the 12-month compliance period that is subject to emission limit, i. The permittee may estimate the volume of coating solids used from parameters other than coating consumption and volume solids content (e.g., design specifications for the parts or products coated and the number of items produced). The use of parameters other than coating consumption and volume solids content must be approved by the Administrator.

n = The number of different coating operations included in the facility-specific emission limit.

- (iii) If the permittee needs to convert an emission limit in another surface coating NESHAP from pounds organic HAP per pounds coating solids used to pounds organic HAP per gallon coating solids used, the permittee must use the default solids density of 10.5 pounds solids per gallon solids.

40 CFR §63.3890(c)

Compliance Method: If the permittee chooses to comply using one of the alternatives in paragraph (a) and (b) of this condition, the information required by this condition shall be documented in accordance with **Condition E4-14(a)** and reported in accordance with **Condition E4-12(c)(vi)** or **(vii)**.

E4-5. The permittee must include all coatings (as defined in §63.3981), thinners and/or other additives, and cleaning materials used in the affected source when determining whether the organic HAP emission rate is equal to or less than the applicable emission limit in **Conditions E4-3** or **E4-4**. To make this determination, the permittee must use at least one of the three compliance options listed in paragraphs (a) through (c) of this condition. The permittee may apply any of the compliance options to an individual coating operation, or to multiple coating operations as a group, or to the entire affected source. The permittee may use different compliance options for different coating operations, or at different times on the same coating operation. The permittee may employ different compliance options when different coatings are applied to the same part, or when the same coating is applied to different parts. However, the permittee may not use different compliance options at the same time on the same coating operation. If the permittee switches between compliance options for any coating operation or group of coating operations, the permittee must document this switch as required by **Condition E4-14(c)**, and the permittee must report it in the next semiannual compliance report required in **Condition E4-12**.

- (a) **Compliant material option.** Demonstrate that the organic HAP content of each coating used in the coating operation(s) is less than or equal to the applicable emission limit in **Conditions E4-3** or **E4-4**, and that each thinner and/or other additive, and cleaning material used contains no organic HAP. The permittee must meet all the requirements of **Condition E4-16** through **E4-20**, and **E4-21** to demonstrate compliance with the applicable emission limit using this option.
- (b) **Emission rate without add-on controls option.** Demonstrate that, based on the coatings, thinners and/or other additives, and cleaning materials used in the coating operation(s), the organic HAP emission rate for the coating operation(s) is less than or equal to the applicable emission limit in **Conditions E4-3** or **E4-4**, calculated as a rolling 12-month emission rate and determined on a monthly basis. The permittee must meet all the requirements of **Conditions E4-22** and **E4-23** to demonstrate compliance with the emission limit using this option.
- (c) **Emission rate with add-on controls option.** Demonstrate that, based on the coatings, thinners and/or other additives, and cleaning materials used in the coating operation(s), and the emissions reductions achieved by emission capture systems and add-on controls, the organic HAP emission rate for the coating operation(s) is less than or equal to the applicable emission limit in **Conditions E4-3** or **E4-4**, calculated as a rolling 12-month emission rate and determined on a monthly basis. If the permittee uses this compliance option, the permittee must also demonstrate that all emission capture systems and add-on control devices for the coating operation(s) meet the operating limits required in **Condition E4-6**, and that the permittee meets the work practice standards required in **Condition E4-7**. The permittee must meet all the requirements of **Conditions E4-24** through **E4-49** to demonstrate compliance with the emission limits, operating limits, and work practice standards using this option.

40 CFR §63.3891

Compliance Method: The permittee shall comply by performing the chosen compliance demonstration as described in this condition. A record of the compliance demonstration shall be maintained pursuant to **Condition E4-14(c), (g), and/or (j)** as appropriate. The compliance demonstration shall be reported pursuant to **Condition E4-12(c)**.

- E4-6.** For any coating operation(s) on which the permittee uses the compliant material option or the emission rate without add-on controls option, the permittee is not required to meet any operating limits.

For any controlled coating operation(s) on which the permittee uses the emission rate with add-on controls option, the permittee must meet the operating limits specified in Table 1 to Subpart Mmmm [**Condition E4-9**]. These operating limits apply to the emission capture and control systems on the coating operation(s) for which the permittee uses this option, and the permittee must establish the operating limits during the performance test according to the requirements in **Condition E4-45**. The permittee must meet the operating limits at all times after establishing them.

If the permittee uses an add-on control device other than those listed in Table 1 to Subpart Mmmm in **Condition E4-9**, or wishes to monitor an alternative parameter and comply with a different operating limit, the permittee must apply to the Administrator for approval of alternative monitoring under 40 CFR §63.8(f).

40 CFR §63.3892

Compliance Method: Compliance with this condition shall be assured by establishing operating limits as required by **Condition E4-45** and meeting those operating limits as specified in Table to 1 to Subpart Mmmm [**Condition E4-9**] or by complying with alternative monitoring approved under 40 CFR §63.8(f) for any controlled coating operation(s) on which the permittee used the emission rate with add-on controls option.

- E4-7.** For any coating operation(s) on which the permittee uses the compliant material option or the emission rate without add-on controls option, the permittee is not required to meet any work practice standards.

If the permittee uses the emission rate with add-on controls option, the permittee must develop and implement a work practice plan to minimize organic HAP emissions from the storage, mixing, and conveying of coatings, thinners and/or other additives, and cleaning materials used in, and waste materials generated by the controlled coating operation(s) for which the permittee uses this option; or the permittee must meet an alternative standard as provided in this condition. The plan must specify practices and procedures to ensure that, at a minimum, the elements specified in paragraphs (a) through (e) of this condition are implemented.

- (a) All organic-HAP-containing coatings, thinners and/or other additives, cleaning materials, and waste materials must be stored in closed containers.
- (b) Spills of organic-HAP-containing coatings, thinners and/or other additives, cleaning materials, and waste materials must be minimized.
- (c) Organic-HAP-containing coatings, thinners and/or other additives, cleaning materials, and waste materials must be conveyed from one location to another in closed containers or pipes.
- (d) Mixing vessels which contain organic-HAP-containing coatings and other materials must be closed except when adding to, removing, or mixing the contents.
- (e) Emissions of organic HAP must be minimized during cleaning of storage, mixing, and conveying equipment.

As provided in 40 CFR §63.6(g), the U.S. Environmental Protection Agency may choose to grant permission to use an alternative to the work practice standards in this condition.

40 CFR §63.3893

Compliance Method: For any source complying with the emission rate with add-on controls option, the work practice plan described in this condition, or an alternative standard granted by U.S. EPA, shall be documented as specified in **Condition E4-14(j)(vi)**. The plan must be maintained onsite and available for review. Any deviations from standards in the work practice plan shall be documented as specified in **Condition E14(i)** and reported as specified in **Condition E4-12(g)(xiii)**.

- E4-8.** Any coating operation(s) for which the permittee uses the compliant material option or the emission rate without add-on controls option, as specified in **Condition E4-5(a)** and **(b)**, must be in compliance with the applicable emission limit in **Conditions E4-3** or **E4-4** at all times.

40 CFR §63.3900(a)(1)

Compliance Method: For any source complying with the compliant material or emission rate without add-on controls option, a record of the compliance demonstration that shows compliance with the applicable limit in **Condition E4-3** or **E4-4** shall be maintained in accordance with **Condition E4-14(c)**. The compliance demonstration shall be reported in accordance with **Condition E4-12(c)**.

E4-9. Any coating operation(s) for which the permittee uses the emission rate with add-on controls option, as specified in **Condition E4-5(c)**, must be in compliance with the applicable emission limits in **Conditions E4-3** and **E4-4**, the operating limits for emission capture systems and add-on control devices required by **Condition E4-6**, the work practice standards in **Condition E4-7**, and the operating limits in Table 1 to Subpart MMMM at all times.

Table 1 to Subpart MMMM of Part 63 – Operating Limits if Using the Emission Rate with Add-on Controls Option		
For the following device...	The following operating limit must be met...	Continuous compliance must be demonstrated by...
1. Thermal Oxidizer	a. The average combustion temperature in any 3-hour period must not fall below the combustion temperature limit established according to Condition E4-45(a)	i. Collecting the combustion temperature data according to Condition E4-48 ; ii. Reducing the data to 3-hour block averages; and iii. Maintaining the 3-hour average combustion temperature at or above the temperature limit.
6. Emission capture system that is a PTE according to Condition E4-43(a)	a. The direction of the air flow at all times must be into the enclosure; and either	i. Collecting the direction of air flow, and either the facial velocity of air through all natural draft openings according to Condition E4-49(2) or the pressure drop across the enclosure according to Condition E4-49(b) ; and ii. Maintaining the facial velocity of air flow through all natural draft openings or the pressure drop at or above the facial velocity limit or pressure drop limit, and maintaining the direction of air flow into the enclosure at all times.
	b. The average facial velocity of air through all natural draft openings in the enclosure must be at least 200 feet per minute; or	i. See items 6.a.i, and 6.a.ii.
	c. The pressure drop across the enclosure must be at least 0.007 inch H ₂ O, as established in Method 204 of Appendix M to 40 CFR Part 51.	i. See items 6.a.i. and 6.a.ii.

40 CFR §63.3900(a)(2)j

Compliance Method: The permittee shall maintain records to demonstrate continuous compliance with these operating limits as required by **Condition E4-14(j)(i)**.

E4-10. At all times, the permittee must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether a source is operating in compliance with operation and maintenance requirements will be based on information available to the Technical Secretary that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the affected source.

40 CFR §63.6900(b)

Compliance Method: Compliance with this condition shall be demonstrated by the recordkeeping required by **Condition E3-3**. If there is any deviation from the requirements of **Condition E4-7**, actions taken to minimize emissions in accordance with this condition shall be reported in accordance with **Condition E4-12(g)(xii)**.

E4-11. Table 2 in Attachment 2 of this permit shows which parts of the General Provisions in 40 CFR §63.1 through §63.15 apply to the permittee.

40 CFR §63.3901

E4-12. *Semiannual compliance reports.* The permittee must submit semiannual compliance reports for each affected source according to the requirements of paragraphs (a) through (g) of this condition. The semiannual compliance reporting requirements may be satisfied by reports required under other parts of the Clean Air Act (CAA), as specified in paragraph (b) of this condition.

- (a) The permittee must prepare and submit each semiannual compliance report according to the dates specified in paragraphs (a)(i) and (ii) of this condition. Note that the information reported for each of the months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.
 - (i) Each semiannual compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.
 - (ii) Each semiannual compliance report must be postmarked or delivered no later than 60 days after the end of the semiannual reporting period.
- (b) The permittee must report all deviations as defined in Subpart M MMM in the semiannual monitoring report required by **Condition E2(a)**. If an affected source submits a semiannual compliance report pursuant to this condition along with, or as part of, the semiannual monitoring report required by **Condition E2(a)**, and the semiannual compliance report includes all required information concerning deviations from any emission limitation in Subpart M MMM, its submission will be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a semiannual compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.
- (c) The semiannual compliance report must contain the information specified in paragraphs (c)(i) through (vii) below, and the information specified in this condition that is applicable to the permittee's affected source.
 - (i) Company name and address.
 - (ii) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
 - (iii) Date of report and beginning and ending dates of the reporting period. The reporting period is the 6-month period ending on June 30 or December 31. Note that the information reported for each of the 6 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.
 - (iv) Identification of the compliance option or options specified in **Condition E4-5** that the permittee used on each coating operation during the reporting period. If the permittee switched between compliance options during the reporting period, the permittee must report the beginning and ending dates for each option used.
 - (v) If the permittee used the emission rate without add-on controls or the emission rate with add-on controls compliance option in **Condition E4-5(b)** or **(c)**, the calculation results for each rolling 12-month organic HAP emission rate during the 6-month reporting period.
 - (vi) If the permittee used the predominant activity alternative in **Condition E4-4(a)**, include the annual determination of predominant activity if it was not included in the previous semiannual compliance report.
 - (vii) If the permittee used the facility-specific emission limit alternative in **Condition E4-4(b)**, include the calculation of the facility-specific emission limit for each 12-month compliance period during the 6-month reporting period.
- (d) **No deviations.** If there were no deviations from the emission limitations in **Conditions E4-3, E4-4, E4-6, and E4-7** that apply to the permittee, the semiannual compliance report must include a statement that there were no deviations from the emission limitations during the reporting period. If the permittee used the emission rate with add-on controls option and there were no periods during which the continuous parameter monitoring systems (CPMS) were out-of-control as specified in 40 CFR §63.8(c)(7), the semiannual compliance report must include a statement that there were no periods during which the CPMS were out-of-control during the reporting period.
- (e) **Deviations: Compliant material option.** If the permittee used the compliant material option and there was a deviation from the applicable organic HAP content requirements in **Condition E4-3** or **E4-4**, the semiannual compliance report must contain the information in paragraphs (e)(i) through (v) below.
 - (i) Identification of each coating used that deviated from the applicable emission limit, and each thinner and/or other additive, and cleaning material used that contained organic HAP, and the dates, time and duration each was used.
 - (ii) The calculation of the organic HAP content (using Equation 2 of **Condition E4-20** for each coating identified in paragraph (e)(i) of this condition. The permittee does not need to submit background data supporting this calculation (e.g., information provided by coating suppliers or manufacturers, or test reports).
 - (iii) The determination of mass fraction of organic HAP for each thinner and/or other additive, and cleaning material identified in paragraph (e)(i) of this condition. The permittee does not need to submit background data supporting this calculation (e.g., information provided by material suppliers or manufacturers, or test reports).
 - (iv) A statement of the cause of each deviation (including unknown cause, if applicable).
 - (v) The number of deviations and, for each deviation, a list of the affected source or equipment, an estimate of the quantity of each regulated pollutant emitted over any applicable emission limit in **Condition E4-3** or **E4-4**, a description of the method used to estimate the emissions, and the actions taken to minimize emissions in accordance with **Condition E4-10**.

- (f) **Deviations: Emission rate without add-on controls option.** If the permittee used the emission rate without add-on controls option and there was a deviation from the applicable emission limit in **Condition E4-3** or **E4-4**, the semiannual compliance report must contain the information in paragraphs (f)(i) through (iv) below.
- (i) The beginning and ending dates of each compliance period during which the 12-month organic HAP emission rate exceeded the applicable emission limit in **Condition E4-3** or **E4-4**.
 - (ii) The calculations used to determine the 12-month organic HAP emission rate for the compliance period in which the deviation occurred. The permittee must submit the calculations for Equations 1, 1A through 1C, 2, and 3 of **Condition E4-22**; and if applicable, the calculation used to determine mass of organic HAP in waste materials according to **Condition E4-22(e)**. The permittee does not need to submit background data supporting these calculations (e.g., information provided by materials suppliers or manufacturers, or test reports).
 - (iii) A statement of the cause of each deviation (including unknown cause, if applicable).
 - (iv) The number of deviations and, for each deviation, the date, time, duration, a list of the affected source or equipment, an estimate of the quantity of each regulated pollutant emitted over any applicable emission limit in **Condition E4-3** or **E4-4**, a description of the method used to estimate the emissions, and the actions taken to minimize emissions in accordance with **Condition E4-10**.
- (g) **Deviations: Emission rate with add-on controls option.** If the emission rate with add-on controls option was used and there was a deviation from the applicable emission limit in **Condition E4-3** or **E4-4** or the applicable operating limits in Table 1 to Subpart Mmmm [**Condition E4-9**] (including any periods where emissions bypassed the add-on control device and were diverted to the atmosphere), the semiannual report must contain the information in paragraphs (g)(i) through (xii), (xiv), and (xv) of this condition. If the emission rate with add-on controls option was used and there was a deviation from the applicable work practice standards in **Condition E4-7**, the semiannual report must contain the information in paragraph (g)(xiii) of this condition.
- (i) The beginning and ending dates of each compliance period during which the 12-month organic HAP emission rate exceeded the applicable emission limit in **Condition E4-3** or **E4-4**.
 - (ii) The calculations used to determine the 12-month organic HAP emission rate for each compliance period in which a deviation occurred. The permittee must provide the calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equations 1 and 1A through 1C of **Condition E4-22**; and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to **Condition E4-22(e)**; the calculation of the total volume of coating solids used each month using Equation 2 of **Condition E4-22(f)**; the calculation of the mass of organic HAP emission reduction each month by emission capture systems and add-on control devices using Equations 1 and 1A through 1D of **Condition E4-30**, and Equations 2, 3, and 3A through 3C of **Condition E4-30**, as applicable; the calculation of the total mass of organic HAP emissions each month using Equation 4 of **Condition E4-30**; and the calculation of the 12-month organic HAP emission rate using Equation 5 of **Condition E4-30**. The permittee does not need to submit the background data supporting these calculations (e.g., information provided by materials suppliers or manufacturers, or test reports).
 - (iii) The date and time that each malfunction of the capture system or add-on control devices started and stopped.
 - (iv) A brief description of the CPMS.
 - (v) The date of the latest CPMS certification or audit.
 - (vi) The number of instances that each CPMS was inoperative, and for each instance, except for zero (low-level) and high-level checks, the date, time, and duration that the CPMS was inoperative; the cause (including unknown cause) for the CPMS being inoperative, and the actions taken to minimize emissions in accordance with **Condition E4-10**.
 - (vii) The number of instances that the CPMS was out-of-control as specified in 40 CFR §63.8(c)(7) and, for each instance, the date, time, and duration that the CPMS was out-of-control; the cause (including unknown cause) for the CPMS being out-of-control; and descriptions of corrective actions taken.
 - (viii) The number of deviations from an operating limit in Table 1 to Subpart Mmmm [**Condition E4-9**] and, for each deviation, the date, time, and duration of each deviation; and the date, time, and duration of any bypass of the add-on control device.
 - (ix) A summary of the total duration of each deviation from an operating limit in Table 1 to Subpart Mmmm [**Condition E4-9**] and each bypass of the add-on control device during the semiannual reporting period, and the total duration as a percent of the total source operating time during that semiannual reporting period.
 - (x) A breakdown of the total duration of the deviations from the operating limits in Table 1 to Subpart Mmmm [**Condition E4-9**] and bypasses of the add-on control device during the semiannual reporting period into those that were due to control equipment problems, process problems, other known causes, and other unknown causes.
 - (xi) A summary of the total duration of CPMS downtime during the semiannual reporting period and the total duration of CPMS downtime as a percent of the total source operating time during that semiannual reporting period.
 - (xii) A description of any changes in the CPMS, coating operation, emission capture system, or add-on control device since the last semiannual reporting period.
 - (xiii) For deviations from the work practice standards, the number of deviations, and for each deviation, the information in paragraphs (g)(xiii)(A) and (B) of this condition.

- (A) A description of the deviation; the date, time, and duration of the deviation, and the actions taken to minimize emissions in accordance with **Condition E4-10**.
- (B) The description required in paragraph (g)(xiii)(A) of this condition must include a list of the affected sources or equipment for which a deviation occurred and the cause of the deviation (including unknown cause, if applicable).
- (xiv) For deviations from the emission limit in **Condition E4-3** or **E4-4** or an operating limit in Table 1 to Subpart Mmmm [**Condition E4-9**], a statement of the cause of each deviation (including unknown cause, if applicable) and the actions taken to minimize emissions in accordance with **Condition E4-10**.
- (xv) For each deviation from an emission limit in **Condition E4-3** or **E4-4** or operating limit in Table 1 to Subpart Mmmm [**Condition E4-9**], a list of the affected sources or equipment for which a deviation occurred, an estimate of the quantity of each regulated pollutant emitted over any emission limit in **Condition E4-3** or **E4-4** or operating limit in Table 1 to subpart Mmmm [**Condition E4-9**], and a description of the method used to estimate emissions.

40 CFR §63.3920(a)

Compliance Method: Compliance with this condition is assured by submitting the information required by this condition as specified in **Condition E2(c)**.

- E4-13.** If the permittee used the emission rate with add-on controls option, the permittee must submit reports of performance test results for emission capture systems and add-on control devices no later than 60 days after completing the tests as specified in 40 CFR §63.10(d)(2).

40 CFR §63.3920(b)

Compliance Method: Compliance with this condition shall be assured by submitting reports of performance test results to the Compliance Validation Program at the Nashville Central Office address listed in **Condition E2(d)** no later than 60 days after completing the test. Tests shall be performed in accordance with **Conditions E4-41** through **E4-44**.

- E4-14.** The permittee must collect and keep records of the data and information specified in this condition. Failure to collect and keep these records is a deviation from Subpart Mmmm and this permit.

- (a) A copy of each notification and report submitted to comply with Subpart Mmmm, and the documentation supporting each notification and report. If the permittee is using the predominant activity alternative under **Condition E4-4(a)**, the permittee must keep records of the data and calculations used to determine the predominant activity. If the permittee is using the facility-specific emission limit alternative under **Condition E4-4(b)**, the permittee must keep records of the data used to calculate the facility-specific emission limit for the initial compliance demonstration. The permittee must also keep records of any data used in each annual predominant activity determination and in the calculation of the facility-specific emission limit for each 12-month compliance period included in the semi-annual compliance reports.
- (b) A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner and/or other additive, and cleaning material, and the volume fraction of coating solids for each coating. If the permittee conducted testing to determine mass fraction of organic HAP, density, or volume fraction of coating solids, the permittee must keep a copy of the complete test report. If the permittee used information provided by the manufacturer or supplier of the material that was based on testing, the permittee must keep the summary sheet of results provided by the manufacturer or supplier. The permittee is not required to obtain the test report or other supporting documentation from the manufacturer or supplier.
- (c) For each compliance period, the permittee must maintain the records specified in paragraphs (c)(i) through (iv) of this condition.
 - (i) A record of the coating operations on which the permittee used each compliance option, and the time periods (beginning and ending dates and times) for each option the permittee used.
 - (ii) For the compliant material option, a record of the calculation of the organic HAP content for each coating, using Equation 2 of **Condition E4-20**.
 - (iii) For the emission rate without add-on controls option, a record of the calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equations 1, 1A through 1C, and 2 of **Condition E4-22(e)**; and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to **Condition E4-22(e)**; the calculation of the total volume of coating solids used each month using Equation 2 of **Condition E4-22(f)**; and the calculation of each 12-month organic HAP emission rate using Equation 3 of **Condition E4-22(g)**.
 - (iv) For the emission rate with add-on controls option, records of the calculations specified in paragraphs (c)(iv)(A) through (E) of this condition.

- (A) The calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equations 1 and 1A through 1C of **Condition E4-22(e)** and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to **Condition E4-22(e)**;
 - (B) The calculation of the total volume of coating solids used each month using Equation 2 of **Condition E4-22(5)**;
 - (C) The calculation of the mass of organic HAP emission reduction by emission capture systems and add-on control devices using Equations 1 and 1A through 1D of **Condition E4-30**.
 - (D) The calculation of each month's organic HAP emission rate using Equation 4 of **Condition E4-32**, and
 - (E) The calculation of each 12-month organic HAP emission rate using Equation 5 of **Condition E4-33**.
- (d) A record of the name and volume of each coating, thinner and/or other additive, and cleaning material used during each compliance period. If the permittee is using the compliant material option for all coatings at the source, the permittee may maintain purchase records for each material used rather than a record of the volume used.
 - (e) A record of the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each compliance period unless the material is tracked by weight.
 - (f) A record of the volume fraction of coating solids for each coating used during each compliance period.
 - (g) If the permittee uses either the emission rate without add-on controls or the emission rate with add-on controls compliance option, the density for each coating, thinner and/or other additive, and cleaning material used during each compliance period.
 - (h) If the permittee uses an allowance in Equation 1 of **Condition E4-22** for organic HAP contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to **Condition E4-22(e)(iv)**, the permittee must keep records of the information specified in paragraphs (h)(i) through (iii) of this condition.
 - (i) The name and address of each TSDF to which the permittee sent waste materials for which the permittee uses an allowance in Equation 1 of **Condition E4-22**; a statement of which subparts under 40 CFR Parts 262, 264, 265, and 266 apply to the facility; and the date of each shipment.
 - (ii) Identification of the coating operations producing waste materials included in each shipment and the month or months in which the permittee used the allowance for these materials in Equation 1 of **Condition E4-22**.
 - (iii) The methodology used in accordance with **Condition E4-22(e)(iv)** to determine the total amount of waste materials sent to or the amount collected, stored, and designated for transport to a TSDF each month; and the methodology to determine the mass of organic HAP contained in these waste materials. This must include the sources for all data used in the determination, methods used to generate the data, frequency of testing or monitoring, and supporting calculations and documentation, including the waste manifest for each shipment.
 - (i) For each deviation from an emission limitation reported under **Condition E4-12(e)** through (g), the permittee must collect and keep a record of the information specified in paragraphs (i)(i) through (iv) of this condition, as applicable.
 - (i) The date, time, and duration of the deviation, as reported under **Condition E4-12(e)** through (g).
 - (ii) A list of the affected sources or equipment for which the deviation occurred and the cause of the deviation, as reported under **Condition E4-12(e)** through (g).
 - (iii) An estimate of the quantity of each regulated pollutant emitted over any applicable emission limit in **Condition E4-3** or **E4-4**, or any applicable operating limit in Table 1 to Subpart MMMM [**Condition E4-9**], and a description of the method used to calculate the estimate, as reported under **Condition E4-12(e)** through (g).
 - (iv) A record of actions taken to minimize emissions in accordance with **Condition E4-10** and any corrective actions taken to return the affected unit to its normal or usual manner of operation.
 - (j) If the permittee used the emission rate with add-on controls option, the permittee must keep the records specified in paragraphs (j)(i) through (vi) of this condition.
 - (i) The records required to show continuous compliance with each operating limit specified in Table 1 to Subpart MMMM [**Condition E4-9**] that applies to the facility.
 - (ii) For each capture system that is a PTE, the data and documentation the permittee used to support a determination that the capture system meets the criteria in Method 204 of Appendix M to 40 CFR Part 51 for a PTE and has a capture efficiency of 100 percent, as specified in **Condition E4-43**.
 - (iii) For each capture system that is not a PTE, the data and documentation the permittee used to determine capture efficiency according to the requirements specified in **Conditions E4-41** through **E4-43**, including the records specified in paragraphs (k)(iii)(A) through (C) of this condition that apply to the facility.
 - (A) *Records for a liquid-to-uncaptured gas protocol using a temporary total enclosure or building enclosure.* Records of the mass of total volatile hydrocarbon (TVH) as measured by Method 204A or 204F of Appendix M to 40 CFR Part 51 for each material used in the coating operation, and the total TVH for all materials used during each capture efficiency test run, including a copy of the test report. Records of the mass of TVH emissions not captured by the capture system that exited the temporary total enclosure or building enclosure during each capture efficiency test run, as measured by Method 204D or 204E of Appendix M to 40 CFR Part 51, including a copy of the test report. Records documenting that the enclosure used for the capture efficiency test met the criteria in Method 204 of Appendix M to 40 CFR Part 51 for either a temporary total enclosure or a building enclosure.

- (B) *Records for a gas-to-gas protocol using a temporary total enclosure or a building enclosure.* Records of the mass of TVH emissions captured by the emission capture system as measured by Method 204B or 204C of Appendix M to 40 CFR Part 51 at the inlet to the add-on control device, including a copy of the test report. Records of the mass of TVH emissions not captured by the capture system that exited the temporary total enclosure or building enclosure during each capture efficiency test run as measured by Method 204D or 204E of Appendix M to 40 CFR Part 51, including a copy of the test report. Records documenting that the enclosure used for the capture efficiency test met the criteria in Method 204 of Appendix M to 40 CFR Part 51 for either a temporary total enclosure or a building enclosure.
- (C) *Records for an alternative protocol.* Records needed to document a capture efficiency determination using an alternative method or protocol as specified in **Condition E4-43**, if applicable.
- (iv) The records specified in paragraphs (j)(iv)(A) and (B) of this condition for each add-on control device organic HAP destruction or removal efficiency determination as specified in **Condition E4-44**.
 - (A) Records of each add-on control device performance test conducted according to **Conditions E4-41, E4-42, and E4-44**.
 - (B) Records of the coating operation conditions during the add-on control device performance test showing that the performance test was conducted under representative operating conditions.
- (v) Records of the data and calculations the permittee used to establish the emission capture and add-on control device operating limits as specified in **Condition E4-45** and to document compliance with the operating limits as specified in Table 1 to Subpart M [Condition E4-9].
- (vi) A record of the work practice plan required by **Condition E4-7** and documentation that the permittee is implementing the plan on a continuous basis.

40 CFR §63.3930

Compliance Method: Compliance with this condition shall be assured by maintaining all records required by this condition in accordance with **Conditions E3-4 and E4-15**.

E4-15. The permittee's records must be in a form suitable and readily available for expeditious review, according to 40 CFR §63.10(b)(1). Where appropriate, the records may be maintained as electronic spreadsheets or as a database. Any records required to be maintained by Subpart M that are in reports that were submitted electronically via the EPA's CEDRI may be maintained in electronic format. This ability to maintain electronic copies does not affect the requirement for facilities to make records, data, and reports available upon request to the Technical Secretary or a designated representative or the EPA as part of an on-site compliance evaluation.

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.

The permittee must keep each record on-site 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 off-site for the remaining 3 years.

40 CFR §63.3931

Compliance Method: Compliance with this condition shall be assured by maintaining records as specified in this condition and **Condition E3-4**.

Compliance Requirements for the Compliant Material Option

E4-16. The permittee may use the compliant material option for any individual coating operation, for any group of coating operations in the affected source, or for all the coating operations in the affected source. The permittee must use either the emission rate without add-on controls option or the emission rate with add-on controls option for any coating operation in the affected source for which the permittee does not use this option. To demonstrate initial compliance using the compliant material option, the coating operation or group of coating operations must use no coating with an organic HAP content that exceeds the applicable emission limits in **Condition E4-3** or **Condition E4-4** and must use no thinner and/or other additive, or cleaning material that contains organic HAP as determined according to **Condition E4-20**. Any coating operation for which the permittee uses the compliant material option is not required to meet the operating limits or work practice standards required in **Conditions E4-6** and **E4-7**, respectively. The permittee must conduct a separate initial compliance demonstration for each general use, high performance, magnet wire, rubber-to-metal, and extreme performance fluoropolymer coating operation unless the permittee is demonstrating compliance with a predominant activity or facility-specific emission limit as provided in **Condition E4-4**. If the permittee is demonstrating compliance with a predominant activity or facility-specific emission limit as provided in **Condition E4-4**, the permittee must demonstrate that all coating operations included in the predominant activity determination or

calculation of the facility-specific emission limit comply with that limit. The permittee must meet all the requirements of this condition and **Conditions E4-17** through **E4-20**. Use the procedures in this condition and **Conditions E4-17** through **E4-20** on each coating, thinner and/or other additive, and cleaning material in the condition it is in when it is received from its manufacturer or supplier and prior to any alteration. The permittee does not need to redetermine the organic HAP content of coatings, thinners and/or other additives, and cleaning materials that are reclaimed on-site (or reclaimed off-site if the permittee has documentation showing that the permittee received back the exact same materials that were sent off-site) and reused in the coating operation for which the permittee used the compliant material option, provided these materials in their condition as received were demonstrated to comply with the compliant material option.

40 CFR §63.3941

Compliance Method: When using the compliant material option, the permittee shall use the procedures in **Conditions E4-17** through **E4-20** to demonstrate compliance with the applicable emission limit as described in this condition.

E4-17. Determine the mass fraction of organic HAP for each material used. The permittee must determine the mass fraction of organic HAP for each coating/thinner and/or other additive, and cleaning material used during the compliance period by using one of the options in paragraphs (a) through (e) of this condition.

- (a) *Method 311 (Appendix A to 40 CFR Part 63).* The permittee may use Method 311 for determining the mass fraction of organic HAP. Use the procedures specified in paragraphs (a)(i) and (ii) below when performing a Method 311 test.
 - (i) Count each organic HAP in Table 5 to Subpart MMMM (Attachment 5) that is measured to be present at 0.1 percent by mass or more and at 1.0 percent by mass or more for other compounds. For example, if toluene (not listed in Table 5 to Subpart MMMM) is measured to be 0.5 percent of the material by mass, the permittee does not have to count it. Express the mass fraction of each organic HAP counted as a value truncated to four places after the decimal point (e.g., 0.3791).
 - (ii) Calculate the total mass fraction of organic HAP in the test material by adding up the individual organic HAP mass fractions and truncating the result to three places after the decimal point (e.g., 0.763).
- (b) *Method 24 (Appendix A to 40 CFR Part 60).* For coatings, the permittee may use Method 24 to determine the mass fraction of nonaqueous volatile matter and use that value as a substitute for mass fraction of organic HAP. For reactive adhesives in which some of the HAP react to form solids and are not emitted to the atmosphere, the permittee may use the alternative method contained in Appendix A to Subpart PPPP of 40 CFR Part 63, rather than Method 24. The permittee may use the volatile fraction that is emitted, as measured by the alternative method in Appendix A to Subpart PPPP of 40 CFR Part 63, as a substitute for the mass fraction of organic HAP.
- (c) *Alternative method.* The permittee may use an alternative test method for determining the mass fraction of organic HAP once the Administrator has approved it. The permittee must follow the procedure in 40 CFR §63.7(f) to submit an alternative test method for approval.
- (d) *Information from the supplier or manufacturer of the material.* The permittee may rely on information other than that generated by the test methods specified in paragraphs (a) through (c) of this condition, such as manufacturer's formulation data, if it represents each organic HAP in Table 5 to Subpart MMMM that is present at 0.1 percent by mass or more and at 1.0 percent by mass or more for other compounds. For example, if toluene (not listed in Table 5 to Subpart MMMM) is 0.5 percent of the material by mass, the permittee does not have to count it. For reactive adhesives in which some of the HAP react to form solids and are not emitted to the atmosphere, the permittee may rely on manufacturer's data that expressly states the organic HAP or volatile matter mass fraction emitted. If there is a disagreement between such information and results of a test conducted according to paragraphs (a) through (c) of this condition, then the test method results will take precedence unless, after consultation, the permittee demonstrates to the satisfaction of the Technical Secretary that the formulation data are correct.
- (e) *Solvent blends.* Solvent blends may be listed as single components for some materials in data provided by manufacturers or suppliers. Solvent blends may contain organic HAP which must be counted toward the total organic HAP mass fraction of the materials. When test data and manufacturer's data for solvent blends are not available, the permittee may use the default values for the mass fraction of organic HAP in these solvent blends listed in Table 3 or 4 to Subpart MMMM (Attachment 3 or 4, respectively). If the permittee uses the tables, the permittee must use the values in Table 3 for all solvent blends that match Table 3 entries according to the instructions for Table 3, and the permittee may use Table 4 only if the solvent blends in the materials used do not match any of the solvent blends in Table 3 and the permittee knows only whether the blend is aliphatic or aromatic. However, if the results of a Method 311 (Appendix A to 40 CFR Part 63) test indicate higher values than those listed on Table 3 or 4, the Method 311 results will take precedence unless, after consultation, the permittee demonstrates to the satisfaction of the Technical Secretary that the formulation data are correct.

40 CFR §63.3941(a)

Compliance Method: The organic HAP content for each material used shall be determined in accordance with this condition and documented in accordance with **Condition E14-4(b)**.

E4-18. Determine the volume fraction of coating solids for each coating. The permittee must determine the volume fraction of coating solids (gallons of coating solids per gallon of coating) for each coating used during the compliance period by a test, by information provided by the supplier or the manufacturer of the material, or by calculation, as specified in paragraphs (a) through (d) of this condition. If test results obtained according to paragraph (a) of this condition do not agree with the information obtained under paragraph (c) or (d) of this condition, the test results will take precedence unless, after consultation, the permittee demonstrates to the satisfaction of the Technical Secretary that the formulation data are correct.

- (a) *ASTM Method D2697-03 (2014) or D6093-97 (Reapproved 2016).* The permittee may use ASTM D2697-03 (Reapproved 2014) (incorporated by reference, see 40 CFR §63.14) or D6093-97 (Reapproved 2016) (incorporated by reference, see 40 CFR §63.14), to determine the volume fraction of coating solids for each coating. Divide the nonvolatile volume percent obtained with the methods by 100 to calculate volume fraction of coating solids.
- (b) *Alternative method.* The permittee may use an alternative test method for determining the solids content of each coating once the Administrator has approved it. The permittee must follow the procedure in 40 CFR §63.7(f) to submit an alternative test method for approval.
- (c) *Information from the supplier or manufacturer of the material.* The permittee may obtain the volume fraction of coating solids for each coating from the supplier or manufacturer.
- (d) *Calculation of volume fraction of coating solids.* The permittee may determine the volume fraction of coating solids using Equation 1 of this condition:

$$V_s = 1 - \frac{m_{\text{volatiles}}}{D_{\text{avg}}} \quad (\text{Eq. 1})$$

Where:

V_s = Volume fraction of coating solids, gallons coating solids per gallon coating.

$m_{\text{volatiles}}$ = Total volatile matter content of the coating, including HAP, volatile organic compounds (VOC), water, and exempt compounds, determined according to Method 24 in Appendix A of 40 CFR Part 60, pounds volatile matter per gallon coating.

D_{avg} = Average density of volatile matter in the coating, pounds volatile matter per gallon volatile matter, determined from test results using ASTM Method D1475-13 (incorporated by reference, see 40 CFR §63.14), information from the supplier or manufacturer of the material, or reference sources providing density or specific gravity data for pure materials. If there is disagreement between ASTM Method D1475-13 test results and other information sources, the test results will take precedence unless, after consultation the permittee demonstrates to the satisfaction of the Technical Secretary that the formulation data are correct.

40 CFR §63.3941(b)

Compliance Method: The volume fraction of coating solids for each material used shall be determined in accordance with this condition and documented in accordance with **Condition E14-4(b)**.

E4-19. Determine the density of each coating. Determine the density of each coating used during the compliance period from test results using ASTM Method D1475-13 (incorporated by reference, see 40 CFR §63.14), information from the supplier or manufacturer of the material, or specific gravity data for pure chemicals. If there is disagreement between ASTM Method D1475-13 test results and the supplier's or manufacturer's information, the test results will take precedence unless, after consultation the permittee demonstrates to the satisfaction of the Technical Secretary that the formulation data are correct.

40 CFR §63.3941(c)

Compliance Method: The density of each material used shall be determined in accordance with this condition and documented in accordance with **Condition E14-4(b)**.

E4-20. Determine the organic HAP content of each coating. Calculate the organic HAP content, pounds of organic HAP emitted per gallon coating solids used, of each coating used during the compliance period using Equation 2 of this condition:

$$H_c = \frac{(D_c)(W_c)}{V_s} \quad (\text{Eq. 2})$$

Where:

H_c = Organic HAP content of the coating, pounds organic HAP emitted per gallon coating solids used.

D_c = Density of coating, pounds coating per gallon coating, determined according to **Condition E4-19**.

W_c = Mass fraction of organic HAP in the coating, pounds organic HAP per pounds coating, determined according to **Condition E4-17**.

V_s = Volume fraction of coating solids, gallon coating solids per gallon coating, determined according to **Condition E4-18**.

40 CFR §63.3941(d)

Compliance Method: The organic HAP emitted per gallon of coating solids used for each coating shall be determined in accordance with this condition and documented in accordance with **Condition E14-4(c)(ii)**.

E4-21. Compliance demonstration. For each compliance period to demonstrate continuous compliance, the permittee must use no coating for which the organic HAP content (determined using Equation 2 of **Condition E4-20**) exceeds the applicable emission limit in **Condition E4-3** or **E4-4**, and use no thinner and/or other additive, or cleaning material that contains organic HAP, determined according to **Condition E4-17**. A compliance period consists of 12 months. Each month is the end of a compliance period consisting of that month and the preceding 11 months. If the permittee is complying with a facility-specific emission limit under **Condition E4-4(b)**, the permittee must also perform the calculation using Equation 1 in **Condition E4-4(b)** on a monthly basis using the data from the previous 12 months of operation.

If the permittee chooses to comply with the emission limitations by using the compliant material option, the use of any coating, thinner and/or other additive, or cleaning material that does not meet the criteria specified in the above paragraph is a deviation from the emission limitations that must be reported as specified in **Condition E4-12(e)**.

As part of each semiannual compliance report required by **Condition E4-12**, the permittee must identify the coating operation(s) for which the permittee used the compliant material option. If there were no deviations from the applicable emission limit in **Condition E4-3** or **E4-4**, submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the reporting period because the permittee used no coatings for which the organic HAP content exceeded the applicable emission limit in **Condition E4-3** or **E4-4**, and the permittee used no thinner and/or other additive, or cleaning material that contained organic HAP, determined according to **Condition E4-17**.

The permittee must maintain records as specified in **Condition E4-14** and **E4-15**.

40 CFR §63.3942

Compliance Method: If utilizing the compliant material compliance demonstration, the permittee shall determine compliance in accordance with this condition and report pursuant to **Condition E4-12(d)** or **(e)** as applicable.

Compliance Requirements for the Emission Rate Without Add-on Controls Option

E4-22. The permittee may use the emission rate without add-on controls option for any individual coating operation, for any group of coating operations in the affected source, or for all the coating operations in the affected source. The permittee must use either the compliant material option or the emission rate with add-on controls option for any coating operation in the affected source for which the permittee does not use this option. To demonstrate initial compliance using the emission rate without add-on controls option, the coating operation or group of coating operations must meet the applicable emission limit in **Condition E4-3** or **E4-4**, but is not required to meet the operating limits or work practice standards in **Conditions E4-6** and **E4-7**, respectively. The permittee must conduct a separate initial compliance demonstration for each general use, magnet wire, rubber-to-metal, and extreme performance fluoropolymer coating operation unless the permittee is demonstrating compliance with a predominant activity or facility-specific emission limit as provided in **Condition E4-4**. If the permittee is demonstrating compliance with a predominant activity or facility-specific emission limit as provided in **Condition E4-4**, the permittee must demonstrate that all coating operations included in the predominant activity determination or calculation of the facility-specific emission limit comply with that limit. The permittee must meet all the requirements of this condition. When calculating the organic HAP emission rate according to this condition, do not include any coatings, thinners and/or other additives, or cleaning materials used on coating operations for which the permittee used the compliant material option or the emission rate with add-on controls option. The permittee does not need to redetermine the mass of organic HAP in coatings, thinners and/or other additives, or cleaning materials that have been reclaimed on-site (or reclaimed off-site if the permittee has documentation showing that the permittee received back the exact same materials that were sent off-site) and reused in the coating operation

for which the permittee used the emission rate without add-on controls option. If the permittee used coatings, thinners and/or other additives, or cleaning materials that have been reclaimed on-site, the amount of each used in a month may be reduced by the amount of each that is reclaimed. That is, the amount used may be calculated as the amount consumed to account for materials that are reclaimed.

- (a) **Determine the mass fraction of organic HAP for each material.** Determine the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each month according to the requirements in **Condition E4-17**.
- (b) **Determine the volume fraction of coating solids.** Determine the volume fraction of coating solids (gallon of coating solids per gallon of coating) for each coating used during each month according to the requirements in **Condition E4-18**.
- (c) **Determine the density of each material.** Determine the density of each liquid coating, thinner and/or other additive, and cleaning material used during each month from test results using ASTM D1475-13 or ASTM D2111-10 (reapproved 2015) (both incorporated by reference, see 40 CFR §63.14), information from the supplier or manufacturer of the material, or reference sources providing density or specific gravity data for pure materials. If the permittee is including powder coatings in the compliance determination, determine the density of powder coatings, using ASTM D5965-02 (Reapproved 2013) (incorporated by reference, see 40 CFR §63.14), or information from the supplier. If there is disagreement between ASTM D1475-13 or ASTM D2111-10 (Reapproved 2015) test results and other such information sources, the test results will take precedence unless, after consultation the permittee demonstrates to the satisfaction of the Technical Secretary that the formulation data are correct. If the permittee purchases materials or monitors consumption by weight instead of volume, the permittee does not need to determine material density. Instead, the permittee may use the material weight in place of the combined terms for density and volume in Equations 1A, 1B, 1C, and 2 of this condition.
- (d) **Determine the volume of each material used.** Determine the volume (gallons) of each coating, thinner and/or other additive, and cleaning material used during each month by measurement or usage records. If the permittee purchases materials or monitors consumption by weight instead of volume, the permittee does not need to determine the volume of each material used. Instead, the permittee may use the material weight in place of the combined terms for density and volume in Equations 1A, 1B, and 1C of this condition.
- (e) **Calculate the mass of organic HAP emissions.** The mass of organic HAP emissions is the combined mass of organic HAP contained in all coatings, thinners and/or other additives, and cleaning materials used during each month minus the organic HAP in certain waste materials. Calculate the mass of organic HAP emissions using Equation 1 of this condition.

$$H_e = A + B + C - R_w \quad (\text{Eq. 1})$$

Where:

H_e = Total mass of organic HAP emissions during the month, pounds.

A = Total mass of organic HAP in the coatings used during the month, pounds, as calculated in Equation 1A of this condition.

B = Total mass of organic HAP in the thinners and/or other additives used during the month, pounds, as calculated in Equation 1B of this condition.

C = Total mass of organic HAP in the cleaning materials used during the month, pounds, as calculated in Equation 1C of this condition.

R_w = Total mass of organic HAP in waste materials sent or designated for shipment to a hazardous waste TSDF for treatment or disposal during the month, pounds, determined according to paragraph (4) of this condition. (The permittee may assign a value of zero to R_w if you do not wish to use this allowance.)

- (i) Calculate the kg organic HAP in the coatings used during the month using Equation 1A of this condition:

$$A = \sum_{i=1}^m (\text{Vol}_{c,i})(D_{c,i})(W_{c,i}) \quad (\text{Eq. 1A})$$

Where:

A = Total mass of organic HAP in the coatings used during the month, pounds.

$\text{Vol}_{c,i}$ = Total volume of coating, i , used during the month, gallons.

$D_{c,i}$ = Density of coating, i , pounds coating per gallon coating.

$W_{c,i}$ = Mass fraction of organic HAP in coating, i , pounds organic HAP per pound coating. For reactive adhesives as defined in §63.3981, use the mass fraction of organic HAP that is emitted as determined using the method in Appendix A to 40 CFR Part 63 Subpart PPPP.

m = Number of different coatings used during the month.

- (ii) Calculate the pounds of organic HAP in the thinners and/or other additives used during the month using Equation 1B of this condition:

$$B = \sum_{i=1}^n (\text{Vol}_{t,j})(D_{t,j})(W_{t,j}) \quad (\text{Eq. 1B})$$

Where:

B = Total mass of organic HAP in the thinners and/or other additives used during the month, pounds.

$\text{Vol}_{t,j}$ = Total volume of thinner and/or other additive, j, used during the month, gallons.

$D_{t,j}$ = Density of thinner and/or other additive, j, pounds per gallon.

$W_{t,j}$ = Mass fraction of organic HAP in thinner and/or other additive, j, pounds organic HAP per pounds thinner and/or other additive. For reactive adhesives as defined in §63.3981, use the mass fraction of organic HAP that is emitted as determined using the method in Appendix A to 40 CFR Part 63 Subpart PPPP.

n = Number of different thinners and/or other additives used during the month.

- (iii) Calculate the pounds organic HAP in the cleaning materials used during the month using Equation 1C of this paragraph:

$$C = \sum_{i=1}^p (\text{Vol}_{s,k})(D_{s,k})(W_{s,k}) \quad (\text{Eq. 1C})$$

Where:

C = Total mass of organic HAP in the cleaning materials used during the month, pounds.

$\text{Vol}_{s,k}$ = Total volume of cleaning material, k, used during the month, gallons.

$D_{s,k}$ = Density of cleaning material, k, pounds per gallon.

$W_{s,k}$ = Mass fraction of organic HAP in cleaning material, k, pounds organic HAP per pound material.

p = Number of different cleaning materials used during the month.

- (iv) If the permittee chooses to account for the mass of organic HAP contained in waste materials sent or designated for shipment to a hazardous waste TSDF in Equation 1 of this condition, then the permittee must determine the mass according to paragraphs iv)(A) through (D) of this condition.
- (A) The permittee may only include waste materials in the determination that are generated by coating operations in the affected source for which the permittee uses Equation 1 of this condition and that will be treated or disposed of by a facility that is regulated as a TSDF under 40 CFR Part 262, 264, 265, or 266. The TSDF may be either off-site or on-site. The permittee may not include organic HAP contained in wastewater.
- (B) The permittee must determine either the amount of the waste materials sent to a TSDF during the month or the amount collected and stored during the month and designated for future transport to a TSDF. Do not include in the determination any waste materials sent to a TSDF during a month if the permittee has already included them in the amount collected and stored during that month or a previous month.
- (C) Determine the total mass of organic HAP contained in the waste materials specified in paragraph (e)(iv)(B) of this condition.
- (D) The permittee must document the methodology used to determine the amount of waste materials and the total mass of organic HAP they contain, as required in **Condition E4-14(h)**. If waste manifests include this information, they may be used as part of the documentation of the amount of waste materials and mass of organic HAP contained in them.
- (f) **Calculate the total volume of coating solids used.** Determine the total volume of coating solids used, gallons, which is the combined volume of coating solids for all the coatings used during each month, using Equation 2 of this condition:

$$V_{st} = \sum_{i=1}^m (\text{Vol}_{c,i})(V_{s,i}) \quad (\text{Eq. 2})$$

Where:

V_{st} = Total volume of coating solids used during the month, gallons.

$\text{Vol}_{c,i}$ = Total volume of coating, i, used during the month, gallons.

$V_{s,i}$ = Volume fraction of coating solids for coating, i, gallon solids per gallon coating, determined according to **Condition E4-18**.

m = Number of coatings used during the month.

- (g) **Calculate the organic HAP emission rate.** Calculate the organic HAP emission rate for the compliance period, pounds organic HAP emitted per gallon coating solids used, using Equation 3 of this condition:

$$H_{yr} = \frac{\sum_{y=1}^n H_e}{\sum_{y=1}^n V_{st}} \quad (\text{Eq. 3})$$

Where:

H_{yr} = Average organic HAP emission rate for the compliance period, pounds organic HAP emitted per gallon coating solids used.

H_e = Total mass of organic HAP emissions from all materials used during month, y, pounds, as calculated by Equation 1 of this condition.

V_{st} = Total volume of coating solids used during month, y, gallons, as calculated by Equation 2 of this condition.

y = Identifier for months.

n = Number of full months in the compliance period, n equals 12.

40 CFR §63.3951

Compliance Method: If utilizing the emission rate without add-on controls compliance method, the permittee shall determine compliance in accordance with this condition and document the determination in accordance with **Condition E4-14(c)(iii)**.

E4-23. To demonstrate continuous compliance, the organic HAP emission rate for each compliance period, determined according to **Condition E4-22(a)** through **(g)**, must be less than or equal to the applicable emission limit in **Condition E4-3** or **E4-4**. A compliance period consists of 12 months. The permittee must perform the calculations in **Condition E4-22(a)** through **(g)** on a monthly basis using data from the previous 12 months of operation. If the permittee is complying with a facility-specific emission limit under **Condition E4-4**, the permittee must also perform the calculation using Equation 1 in **Condition E4-4** on a monthly basis using the data from the previous 12 months of operation.

If the organic HAP emission rate for any 12-month compliance period exceeded the applicable emission limit in **Condition E4-3** or **E4-4**, this is a deviation from the emission limitation for that compliance period and must be reported as specified in **Condition E4-12(f)**.

As part of each semiannual compliance report required by **Conditions E4-12**, the permittee must identify the coating operation(s) for which the permittee used the emission rate without add-on controls option. If there were no deviations from the emission limitations, the permittee must submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the reporting period because the organic HAP emission rate for each compliance period was less than or equal to the applicable emission limit in **Condition E4-3** or **E4-4**, determined according to **Condition E4-22(a)** through **(g)**.

The permittee must maintain records as specified in **Conditions E4-14** and **E4-15**.

40 CFR §63.3952

Compliance Method: If utilizing the emission rate without add-on controls compliance method, the permittee shall determine compliance in accordance with this condition and report pursuant to **Condition E4-12(c)(v)** and **(d)** or **(f)**, as applicable.

Compliance Requirements for the Emission Rate with Add-on Controls Option

E4-24. The permittee must conduct periodic performance tests and establish the operating limits required by **Condition E4-6** within five years following the previous performance test. The first periodic performance test was conducted on the RTOs that control emissions from the coating sources that comprise Source 02 on October 23, 2019. The most recent test, at the time of issuance of this permit, was conducted October 16-17, 2025. The permittee must conduct a performance test no later than five years following the previous performance test. Operating limits must be confirmed or reestablished during each performance test.

40 CFR §63.3960(b)(1)(ii)

Compliance Method: Compliance shall be assured by conducting performance testing as specified in **Conditions E4-41** through **E4-44** and submitting a test report as required by **Condition E4-13**.

E4-25. The permittee may use the emission rate with add-on controls option for any coating operation, for any group of coating operations in the affected source, or for all of the coating operations in the affected source. The permittee may include both controlled and uncontrolled coating operations in a group for which the permittee uses this option. The permittee must use

either the compliant material option or the emission rate without add-on controls option for any coating operation in the affected source for which the permittee does not use the emission rate with add-on controls option. To demonstrate initial compliance, the coating operation(s) for which the permittee uses the emission rate with add-on controls option must meet the applicable emission limitations in **Conditions E4-3 or E4-4** and **Conditions E4-6 and E4-7**. The permittee must conduct a separate initial compliance demonstration for each general use, magnet wire, rubber-to-metal, and extreme performance fluoropolymer coating operation, unless the permittee is demonstrating compliance with a predominant activity or facility-specific emission limit as provided in **Condition E4-4**. If the permittee is demonstrating compliance with a predominant activity or facility-specific emission limit as provided in **Condition E4-4**, the permittee must demonstrate that all coating operations included in the predominant activity determination or calculation of the facility-specific emission limit comply with that limit. The permittee must meet all the requirements of this condition and **Conditions E4-26 through E4-33**. When calculating the organic HAP emission rate according to **Conditions E4-26 through E4-33**, do not include any coatings, thinners and/or other additives, or cleaning materials used on coating operations for which the permittee uses the compliant material option or the emission rate without add-on controls option. The permittee does not need to redetermine the mass of organic HAP in coatings, thinners and/or other additives, or cleaning materials that have been reclaimed onsite (or reclaimed off-site if you have documentation showing that you received back the exact same materials that were sent off-site) and reused in the coatings operation(s) for which the permittee uses the emission rate with add-on controls option. If the permittee uses coatings, thinners and/or other additives, or cleaning materials that have been reclaimed on-site, the amount of each used in a month may be reduced by the amount of each that is reclaimed. That is, the amount used may be calculated as the amount consumed to account for materials that are reclaimed.

40 CFR §63.3961(a)

Compliance Method: If utilizing the emission rate with add-on controls compliance option, the permittee shall determine compliance in accordance with this condition and document the determination in accordance with **Condition E4-14(c)(iv)**.

- E4-26. *Compliance with emission limits.*** The permittee must follow the procedures in **Conditions E4-27 through E4-33** to demonstrate compliance with the applicable emission limit in **Condition E4-3 or E4-4** for each affected source in each subcategory.

40 CFR §63.3961(d)

Compliance Method: Compliance with this condition shall be assured by following the procedures in **Conditions E4-27 through E4-33** when demonstrating compliance with the applicable emission limit.

- E4-27. *Determine the mass fraction of organic HAP, density, volume used, and volume fraction of coating solids.*** Follow the procedures specified in **Condition E4-22(a) through (d)** to determine the mass fraction of organic HAP, density, and volume of each coating, thinner and/or other additive, and cleaning material used during each month; and the volume fraction of coating solids for each coating used during each month.

40 CFR §63.3961(e)

Compliance Method: Compliance with this condition is assured by following the specified procedures in this condition when demonstrating compliance with the emission rate with add-on control option.

- E4-28. *Calculate the total mass of organic HAP emissions before add-on controls.*** Using Equation 1 of **Condition E4-22(e)**, calculate the total mass of organic HAP emissions before add-on controls from all coatings, thinners and/or other additives, and cleaning materials used during each month in the coating operation or group of coating operations for which the emission rate with add-on controls option is used.

40 CFR §63.3961(f)

Compliance Method: Compliance with this condition is assured by following the specified procedures in this condition when demonstrating compliance with the emission rate with add-on control option.

- E4-29. *Calculate the organic HAP emission reduction for each controlled coating operation.*** Determine the mass of organic HAP emissions reduced for each controlled coating operation during each month. The emission reduction determination quantifies the total organic HAP emissions that pass through the emission capture system and are destroyed or removed by the add-on control device. Use the procedures in **Condition E4-30** to calculate the mass of organic HAP emission reduction for each controlled coating operation using an emission capture system and add-on control device.

40 CFR §63.3961(g)

Compliance Method: Compliance with this condition is assured by following the specified procedures in this condition when demonstrating compliance with the emission rate with add-on control option.

E4-30. Calculate the organic HAP emission reduction for each controlled coating operation not using liquid-liquid material balance. Use Equation 1 of this condition to calculate the organic HAP emission reduction for each controlled coating operation using an emission capture system and add-on control device. The calculation applies the emission capture system efficiency and add-on control device efficiency to the mass of organic HAP contained in the coatings, thinners and/or other additives, and cleaning materials that are used in the coating operation served by the emission capture system and add-on control device during each month. The permittee must assume zero efficiency for the emission capture system and add-on control device for any period of time a deviation specified in **Condition E4-36** or **E4-37** occurs in the controlled coating operation, including a deviation during a period of startup, shutdown, or malfunction, unless the permittee has other data indicating the actual efficiency of the emission capture system and add-on control device and the use of these data is approved by the Technical Secretary. Equation 1 of this condition treats the materials used during such a deviation as if they were used on an uncontrolled coating operation for the time period of the deviation.

$$H_C = (A_C + B_C + C_C - R_W - H_{UNC}) \left(\frac{CE}{100} \times \frac{DRE}{100} \right) \quad (\text{Eq. 1})$$

Where:

H_C = Mass of organic HAP emission reduction for the controlled coating operation during the month, pounds.

A_C = Total mass of organic HAP in the coatings used in the controlled coating operation during the month, pounds, as calculated in Equation 1A of this condition.

B_C = Total mass of organic HAP in the thinners and/or other additives used in the controlled coating operation during the month, pounds, as calculated in Equation 1B of this condition.

C_C = Total mass of organic HAP in the cleaning materials used in the controlled coating operation during the month, pounds, as calculated in Equation 1C of this condition.

R_W = Total mass of organic HAP in waste materials sent or designated for shipment to a hazardous waste TSDF for treatment or disposal during the compliance period, pounds, determined according to **Condition E4-22(e)**. (The permittee may assign a value of zero to R_W if the permittee does not wish to use this allowance.)

H_{UNC} = Total mass of organic HAP in the coatings, thinners and/or other additives, and cleaning materials used during all deviations specified in **Conditions E4-36** and **E4-37** that occurred during the month in the controlled coating operation, pounds, as calculated in Equation 1D of this condition.

CE = Capture efficiency of the emission capture system vented to the add-on control device, percent. Use the test methods and procedures specified in **Conditions E4-41**, **E4-42**, and **E4-43** to measure and record capture efficiency.

DRE = Organic HAP destruction or removal efficiency of the add-on control device, percent. Use the test methods and procedures in **Conditions E4-41**, **E4-42**, and **E4-44** to measure and record the organic HAP destruction or removal efficiency.

- (a) Calculate the mass of organic HAP in the coatings used in the controlled coating operation, pounds, using Equation 1A below:

$$A_C = \sum_{i=1}^m (\text{Vol}_{c,i})(D_{c,i})(W_{c,i}) \quad (\text{Eq. 1A})$$

Where:

A_C = Total mass of organic HAP in the coatings used in the controlled coating operation during the month, pounds.

$\text{Vol}_{c,i}$ = Total volume of coating, i , used during the month, gallons.

$D_{c,i}$ = Density of coating, i , pounds per gallon.

$W_{c,i}$ = Mass fraction of organic HAP in coating, i , pounds per pound. For reactive adhesives as defined in §63.3981, use the mass fraction of organic HAP that is emitted as determined using the method in Appendix A to Subpart P of Part 63.

m = Number of different coatings used.

- (b) Calculate the mass of organic HAP in the thinners and/or other additives used in the controlled coating operation, pounds, using Equation 1B of below:

$$B_C = \sum_{j=1}^n (\text{Vol}_{t,j})(D_{t,j})(W_{t,j}) \quad (\text{Eq. 1B})$$

Where:

B_C = Total mass of organic HAP in the thinners and/or other additives used in the controlled coating operation during the month, pounds.

$\text{Vol}_{t,j}$ = Total volume of thinner and/or other additive, j, used during the month, gallons.

$D_{t,j}$ = Density of thinner and/or other additive, j, pounds per gallon.

$W_{t,j}$ = Mass fraction of organic HAP in thinner and/or other additive, j, pounds per pound. For reactive adhesives as defined in §63.3981, use the mass fraction of organic HAP that is emitted as determined using the method in Appendix A to Subpart PPPP of Part 63.

n = Number of different thinners and/or other additives used.

- (c) Calculate the mass of organic HAP in the cleaning materials used in the controlled coating operation during the month, pounds, using Equation 1C below:

$$C_C = \sum_{s=1}^p (\text{Vol}_{s,k})(D_{s,k})(W_{s,k}) \quad (\text{Eq. 1C})$$

Where:

C_C = Total mass of organic HAP in the cleaning materials used in the controlled coating operation during the month, pounds.

$\text{Vol}_{s,k}$ = Total volume of cleaning material, k, used during the month, gallons.

$D_{s,k}$ = Density of cleaning material, k, pounds per gallon.

$W_{s,k}$ = Mass fraction of organic HAP in cleaning material, k, pound per pound.

p = Number of different cleaning materials used.

- (d) Calculate the mass of organic HAP in the coatings, thinners and/or other additives, and cleaning materials used in the controlled coating operation during deviations specified in **Conditions E4-36** and **E4-37**, using Equation 1D below:

$$H_{UNC} = \sum_{h=1}^q (\text{Vol}_h)(D_h)(W_h) \quad (\text{Eq. 1D})$$

Where:

H_{UNC} = Total mass of organic HAP in the coatings, thinners and/or other additives, and cleaning materials used during all deviations specified in **Conditions E4-36** and **E4-37** that occurred during the month in the controlled coating operation, pounds.

Vol_h = Total volume of coating, thinner and/or other additive, or cleaning material, h, used in the controlled coating operation during deviations, gallons.

D_h = Density of coating, thinner and/or other additives, or cleaning material, h, pounds per gallon.

W_h = Mass fraction of organic HAP in coating, thinner and/or other additives, or cleaning material, h, pounds organic HAP per pounds coating. For reactive adhesives as defined in §63.3981, use the mass fraction of organic HAP that is emitted as determined using the method in Appendix A to Subpart PPPP of Part 63.

q = Number of different coatings, thinners and/or other additives, and cleaning materials used.

40 CFR §63.3961(h)

Compliance Method: If utilizing the emission rate with add-on controls compliance method, the permittee shall determine compliance in accordance with this condition and document the determination in accordance with **Condition E4-14(c)(iv)(C)**.

- E4-31. Calculate the total volume of coating solids used.** Determine the total volume of coating solids used, gallons, which is the combined volume of coating solids for all the coatings used during each month in the coating operation or group of coating operations for which the permittee used the emission rate with add-on controls option, using Equation 2 of **Condition E4-22**.

40 CFR §63.3961(k)

Compliance Method: Compliance with this condition is assured by following the specified procedures in this condition when demonstrating compliance with the emission rate with add-on control option.

- E4-32. Calculate the mass of organic HAP emissions for each month.** Determine the mass of organic HAP emissions, pounds, during each month, using Equation 4 below:

$$H_{\text{HAP}} = H_e - \sum_{i=1}^q (H_{c,i}) \quad (\text{Eq. 4})$$

Where:

H_{HAP} = Total mass of organic HAP emissions for the month, pounds.

H_e = Total mass of organic HAP emissions before add-on controls from all the coatings, thinners and/or other additives, and cleaning materials used during the month, pounds, determined according to **Condition E4-28**.

$H_{c,i}$ = Total mass of organic HAP emission reduction for controlled coating operation, i, during the month, pounds, from Equation 1 of **Condition E4-30**.

q = Number of controlled coating operations.

40 CFR §63.3961(l)

Compliance Method: If utilizing the emission rate with add-on controls compliance method, the permittee shall determine compliance in accordance with this condition and document the determination in accordance with **Condition E4-14(c)(iv)(D)**.

- E4-33. Calculate the organic HAP emission rate for the compliance period.** Determine the organic HAP emission rate for the compliance period, pounds of organic HAP emitted per gallon coating solids used, using Equation 5 below:

$$H_{\text{annual}} = \frac{\sum_{y=1}^n H_{\text{HAP},y}}{\sum_{y=1}^n V_{\text{st},y}} \quad (\text{Eq. 5})$$

Where:

H_{annual} = Organic HAP emission rate for the compliance period, pounds organic HAP emitted per gallon coating solids used.

$H_{\text{HAP},y}$ = Organic HAP emissions for month, y, pounds, determined according to Equation 4 of **Condition E4-32**.

$V_{\text{st},y}$ = Total volume of coating solids used during month, y, gallons, from Equation 2 of **Condition E4-22**.

y = Identifier for months.

n = Number of full months, n equals 12.

40 CFR §63.3961(m)

Compliance Method: If utilizing the emission rate with add-on controls compliance method, the permittee shall determine compliance in accordance with this condition and document the determination in accordance with **Condition E4-14(c)(iv)(E)**.

- E4-34.** To demonstrate continuous compliance with the applicable emission limit in **Condition E4-3** or **E4-4**, the organic HAP emission rate for each compliance period, determined according to the procedures in **Conditions E4-25** through **E4-33**, must be equal to or less than the applicable emission limit in **Condition E4-3** or **E4-4**. A compliance period consists of 12 months. The permittee must perform the calculations in **Conditions E4-25** through **E4-33** on a monthly basis using data from the previous 12 months of operation. If the permittee is complying with a facility-specific emission limit under **Condition E4-4**, the permittee must also perform the calculation using Equation 1 in **Condition E4-4(b)** on a monthly basis using the data from the previous 12 months of operation.

40 CFR §63.3963(a)

Compliance Method: The permittee shall follow the specified procedures in this condition when demonstrating continuous compliance with the emission rate with add-on control option.

- E4-35.** If the organic HAP emission rate for any 12-month compliance period exceeded the applicable emission limit in **Condition E4-3** or **E4-4**, this is a deviation from the emission limitation for that compliance period that must be reported as specified in **Condition E4-12(g)**.

40 CFR §63.3963(b)

Compliance Method: Compliance with this condition is assured by reporting in accordance with **Condition E4-12(g)**.

- E4-36.** The permittee must demonstrate continuous compliance with each operating limit required by **Condition E4-6** that applies to the facility, as specified in Table 1 to Subpart Mmmm [**Condition E4-9**], when the coating line is in operation.
- If an operating parameter is out of the allowed range specified in Table 1 to Subpart Mmmm [**Condition E4-9**], this is a deviation from the operating limit that must be reported as specified in **Condition E4-12(g)**.
 - If an operating parameter deviates from the operating limit specified in Table 1 to Subpart Mmmm [**Condition E4-9**], then the permittee must assume that the emission capture system and add-on control device were achieving zero efficiency during the time period of the deviation, unless the permittee has other data indicating the actual efficiency of the emission capture system and add-on control device and the use of these data is approved by the Technical Secretary.

40 CFR §63.3963(c)

Compliance Method: The permittee shall maintain records to demonstrate compliance with the operating limits required by **Condition E4-6** in accordance with **Condition E4-14(j)(i)** and **(ii)**. Deviations shall be reported in accordance with **Condition E4-12(g)** and the permittee shall assume zero efficiency for the control device during deviations as specified in paragraph (b) of this condition.

- E4-37.** The permittee must meet the requirements for bypass lines in **Condition E4-47** for controlled coating operations. If any bypass line is opened and emissions are diverted to the atmosphere when the coating operation is running, this is a deviation that must be reported as specified in **Condition E4-12(g)**. For the purposes of completing the compliance calculations specified in **Condition E4-30**, the permittee must treat the materials used during a deviation on a controlled coating operation as if they were used on an uncontrolled coating operation for the time period of the deviation as indicated in Equation 1 of **Condition E4-30**.

40 CFR §63.3963(d)

Compliance Method: Compliance is assured by compliance with **Condition E4-47**, reporting deviations in accordance with **Condition E4-12(g)**, and assuming zero efficiency for the control device during bypass events.

- E4-38.** The permittee must demonstrate continuous compliance with the work practice standards in **Condition E4-7**. If the permittee does not develop a work practice plan, or the permittee did not implement the plan, or the permittee did not keep the records required by **Condition E4-14(j)**, this is a deviation from the work practice standards that must be reported as specified in **Conditions E4-12(g)**.

40 CFR §63.3963(e)

Compliance Method: The permittee shall maintain records in accordance with **Condition E4-14(j)(vi)** and report deviations in accordance with **Condition E4-12(g)**.

- E4-39.** As part of each semiannual compliance report required in **Condition E4-12**, the permittee must identify the coating operation(s) for which the emission rate with add-on controls option was used. If there were no deviations from the emission limits in **Condition E4-3** or **E4-4**, the operating limits in **Condition E4-6**, and the work practice standards in **Condition E4-7**, submit a statement that the permittee was in compliance with the emission limitations during the reporting period because the organic HAP emission rate for each compliance period was less than or equal to the applicable emission limit in **Condition E4-3** or **E4-4**, and the permittee achieved the operating limits required by **Condition E4-6** and the work practice standards required by **Condition E4-7** during each compliance period.

40 CFR §63.3963(f)

Compliance Method: The permittee shall report the information required by this condition in accordance with **Condition E4-12(c), (d), (e), (f), and (g)**.

- E4-40.** Deviations that occur due to malfunction of the emission capture system, add-on control device, or coating operation that may affect emission capture or control device efficiency are required to operate in accordance with **Condition E4-10**. The Technical Secretary will determine whether the deviations are violations according to the provisions in **Condition E4-10**.

40 CFR §63.3963(i)

Compliance Method: Compliance with this condition is assured by compliance with **Condition E4-10**.

- E4-41.** The permittee must conduct each performance test required by **Condition E4-24** according to the requirements in this condition, unless the permittee acquires a waiver of the performance test according to the provisions in 40 CFR §63.7(h).
- (a) The permittee must conduct the performance test under representative operating conditions for the coating operation. Operations during periods of startup, shutdown, or periods of nonoperation do not constitute representative conditions for purposes of conducting a performance test. The permittee may not conduct performance tests during periods of malfunction. The permittee must record the process information that is necessary to document operating conditions during the test and explain why the conditions represent normal operation. Upon request, the permittee must make available to the Technical Secretary such records as may be necessary to determine the conditions of performance tests.
 - (b) The permittee must conduct the performance test when the emission capture system and add-on control device are operating at a representative flow rate, and the add-on control device is operating at a representative inlet concentration. The permittee must record information that is necessary to document emission capture system and add-on control device operating conditions during the test and explain why the conditions represent normal operation.

40 CFR §63.3964(a)

Compliance Method: The permittee shall conduct performance tests as required by this condition and maintain records in accordance with **Condition E4-14(j)(iv)**.

- E4-42.** The permittee must conduct each performance test of an emission capture system according to the requirements in **Condition E4-43**. The permittee must conduct each performance test of an add-on control device according to the requirements in **Condition E4-44**.

40 CFR §63.3964(b)

Compliance Method: Compliance with this condition is assured by compliance with **Conditions E4-43** and **E4-44** when conducting performance tests.

- E4-43.** The permittee must use the procedures and test methods in this condition to determine capture efficiency as part of each performance test required by **Conditions E4-24**.

- (a) **Assuming 100 percent capture efficiency.** The permittee may assume the capture system efficiency is 100 percent if both of the conditions in paragraphs (a)(i) and (ii) of this condition are met:
 - (i) The capture system meets the criteria in Method 204 of Appendix M to 40 CFR Part 51 for a permanent total enclosure (PTE [**Condition E6-5**]) and directs all the exhaust gases from the enclosure to an add-on control device.
 - (ii) All coatings, thinners and/or other additives, and cleaning materials used in the coating operation are applied within the capture system; coating solvent flash-off, curing, and drying occurs within the capture system; and the removal or evaporation of cleaning materials from the surfaces they are applied to occurs within the capture system. For example, this criterion is not met if parts enter the open shop environment when being moved between a spray booth and a curing oven.
- (b) If the capture system does not meet both of the criteria in paragraphs (a)(i) and (ii) of this condition, then the permittee must use one of the three protocols described in 40 CFR §63.3965(c), (d), and (e) to measure capture efficiency. The capture efficiency measurements use TVH capture efficiency as a surrogate for organic HAP capture efficiency. For the protocols in 40 CFR §63.3965(c) and (d), the capture efficiency measurement must consist of three test runs. Each test run must be at least 3 hours duration or the length of a production run, whichever is longer, up to 8 hours. For the purposes of this test, a production run means the time required for a single part to go from the beginning to the end of the production, which includes surface preparation activities and drying and curing time.

40 CFR §63.3965

Compliance Method: The permittee shall document compliance with this condition as required by **Condition E4-14(j)(iii)** and report this information in the report required by **Condition E4-13**.

- E4-44.** The permittee must use the procedures and test methods specified in paragraphs (a) through (f) of this condition to determine the add-on control device emission destruction or removal efficiency as part of the performance test required by **Condition E4-24**. For each performance test, the permittee must conduct three test runs as specified in 40 CFR §63.7(e)(3) and each test run must last at least 1 hour.

- (a) For all types of add-on control devices, use the test methods specified in paragraphs (a)(i) through (v) of this condition.

- (i) Use Method 1 or 1A of Appendix A to 40 CFR Part 60, as appropriate, to select sampling sites and velocity traverse points.
 - (ii) Use Method 2, 2A, 2C, 2D, 2F, or 2G of Appendix A to 40 CFR Part 60, as appropriate, to measure gas volumetric flow rate.
 - (iii) Use Method 3, 3A, or 3B of Appendix A to 40 CFR Part 60, as appropriate, for gas analysis to determine dry molecular weight.
 - (iv) Use Method 4 of Appendix A to 40 CFR Part 60, to determine stack gas moisture.
 - (v) Methods for determining gas volumetric flow rate, dry molecular weight, and stack gas moisture must be performed, as applicable, during each test run.
- (b) Measure total gaseous organic mass emissions as carbon at the inlet and outlet of the add-on control device simultaneously, using either EPA Method 25 or 25A of Appendix A-7 to 40 CFR Part 60.
- (i) Use EPA Method 25 of Appendix A-7 to 40 CFR Part 60 if the add-on control device is an oxidizer and you expect the total gaseous organic concentration as carbon to be more than 50 parts per million (ppm) at the control device outlet.
 - (ii) Use EPA Method 25A of Appendix A-7 to 40 CFR Part 60 if the add-on control device is an oxidizer and you expect the total gaseous organic concentration as carbon to be 50 ppm or less at the control device outlet.
 - (iii) Use EPA Method 25A of Appendix A-7 to 40 CFR Part 60 if the add-on control device is not an oxidizer.
 - (iv) The permittee may use EPA Method 18 of Appendix A-6 to 40 CFR Part 60 to subtract methane emissions from measured total gaseous organic mass emissions as carbon
- (c) If two or more add-on control devices are used for the same emission stream, then the permittee must measure emissions at the outlet to the atmosphere of each device. For example, if one add-on control device is a concentrator with an outlet to the atmosphere for the high-volume dilute stream that has been treated by the concentrator, and a second add-on control device is an oxidizer with an outlet to the atmosphere for the low-volume concentrated stream that is treated with the oxidizer, the permittee must measure emissions at the outlet of the oxidizer and the high volume dilute stream outlet of the concentrator.
- (d) For each test run, determine the total gaseous organic emissions mass flow rates for the inlet and the outlet of the add-on control device, using Equation 1 of this condition. If there is more than one inlet or outlet to the add-on control device, the permittee must calculate the total gaseous organic mass flow rate using Equation 1 of this condition for each inlet and each outlet and then total all of the inlet emissions and total all of the outlet emissions:

$$M_f = Q_{sd} C_C (12)(0.0416)(10^{-6}) \quad (\text{Eq. 1})$$

Where:

M_f = Total gaseous organic emissions mass flow rate, kg per hour (h).

C_C = Concentration of organic compounds as carbon in the vent gas, as determined by Method 25 or Method 25A, parts per million by volume (ppmv), dry basis.

Q_{sd} = Volumetric flow rate of gases entering or existing the add-on control device, as determined by Method 2, 2A, 2C, 2D, 2F, or 2G, dry standard cubic meters/hour.

0.0416 = conversion factor for molar volume, kg-moles per cubic meter at 293 Kelvin and 760 millimeters of mercury

- (e) For each test run, determine the add-on control device organic emissions destruction or removal efficiency, using Equation 2 of this condition:

$$\text{DRE} = \frac{M_{fi} - M_{fo}}{M_{fi}} \times 100 \quad (\text{Eq. 2})$$

Where:

DRE = Organic emissions destruction or removal efficiency of the add-on control device, percent.

M_{fi} = Total gaseous organic emissions mass flow rate at the inlet(s) to the add-on control device, using Equation 1 of this condition, kg/h.

M_{fo} = Total gaseous organic emissions mass flow rate at the outlet(s) of the add-on control device, using Equation of this condition, kg/h.

- (f) Determine the emission destruction or removal efficiency of the add-on control device as the average of the efficiencies determined in the three test runs and calculated in Equation 2 of this condition.

40 CFR §63.3966

Compliance Method: Compliance with this condition shall be demonstrated in the report required by **Condition E4-13**.

E4-45. During the performance test required by **Condition E4-24** and described in **Conditions E4-41** through **E4-44**, the permittee must establish the operating limits required by **Condition E4-6** according to this condition, unless the permittee has received approval for alternative monitoring and operating limits under 40 CFR §63.8(f) as specified in **Condition E4-6**.

- (a) **Thermal oxidizers.** Establish the operating limits according to paragraphs (a)(i) and (ii) of this condition.
 - (i) During performance tests, the permittee must monitor and record the combustion temperature at least once every 15 minutes during each of the three test runs. The permittee must monitor the temperature in the firebox of the thermal oxidizer or immediately downstream of the firebox before any substantial heat exchange occurs.
 - (ii) For each performance test, use the data collected during the performance test to calculate and record the average combustion temperature maintained during the performance test. This average combustion temperature is the minimum operating limit for your thermal oxidizer.
- (b) **Emission capture systems.** For each capture device that is not part of a PTE that meets the criteria of **Condition E4-43(a)**, establish an operating limit for either the gas volumetric flow rate or duct static pressure, as specified in paragraphs (b)(i) and (ii) of this condition. The operating limit for a PTE is specified in Table 1 to Subpart MMMM [**Condition E4-9**].
 - (i) During the capture efficiency determination required by **Condition E4-24** and described in **Conditions E4-41 through E4-43**, the permittee must monitor and record either the gas volumetric flow rate or the duct static pressure for each separate capture device in your emission capture system at least once every 15 minutes during each of the three test runs at a point in the duct between the capture device and the add-on control device inlet.
 - (ii) Calculate and record the average gas volumetric flow rate or duct static pressure for the three test runs for each capture device. This average gas volumetric flow rate or duct static pressure is the minimum operating limit for that specific capture device.

40 CFR §63.3967(a) and (f)

Compliance Method: The permittee shall establish operating limits as described in this condition, document the establishment of those operating limits as specified in **Condition E4-14(j)(v)**, and include this information in the report required by **Condition E4-13**

E4-46. The permittee must install, operate, and maintain each continuous parameter monitoring system (CPMS) specified in **Conditions E4-48** and **E4-49** according to paragraphs (a) through (g) of this condition. The permittee must install, operate, and maintain each CPMS specified in **Conditions E4-47** according to paragraphs (c) through (e) of this condition.

- (a) The CPMS must complete a minimum of one cycle of operation for each successive 15-minute period. The permittee must have a minimum of four equally spaced successive cycles of CPMS operation in one hour.
- (b) The permittee must determine the average of all recorded readings for each successive 3-hour period of the emission capture system and add-on control device operation.
- (c) The permittee must record the date, time, and results of each inspection (quality assurance checks, visual inspections, monthly leak checks, etc.), calibration, and validation check of the CPMS.
- (d) The permittee must maintain the CPMS at all times in accordance with **Condition E4-10** and keep necessary parts readily available for routine repairs of the monitoring equipment.
- (e) The permittee must operate the CPMS and collect emission capture system and add-on control device parameter data at all times in accordance with **Condition E4-10**.
- (f) The permittee must not use emission capture system or add-on control device parameter data recorded during monitoring malfunctions, associated repairs, out-of-control periods, or required quality assurance or control activities when calculating data averages. The permittee must use all the data collected during all other periods in calculating the data averages for determining compliance with the emission capture system and add-on control device operating limits.
- (g) A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the CPMS to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions. Except for periods of required quality assurance or control activities, any period for which the CPMS fails to operate and record data continuously as required by paragraph (e) of this condition, or generates data that cannot be included in calculating averages as specified in paragraph (f) of this condition, constitutes a deviation from the monitoring requirements.

40 CFR §63.3968(a)

Compliance Method: The permittee shall install, operate, and maintain each CPMS as specified in this condition and maintain records in accordance with **Condition E4-46(c)** and **(e)**.

E4-47. The permittee must meet the requirements of paragraphs (a) and (b) of this condition for each emission capture system that contains bypass lines that could divert emissions away from the add-on control device to the atmosphere.

- (a) The permittee must monitor or secure the valve or closure mechanism controlling the bypass line in a nondiverting position in such a way that the valve or closure mechanism cannot be opened without creating a record that the valve was opened. The

method used to monitor or secure the valve or closure mechanism must meet one of the requirements specified in paragraphs (1)(i) through (v) of this condition.

- (i) **Flow control position indicator.** Install, calibrate, maintain, and operate according to the manufacturer's specifications a flow control position indicator that takes a reading at least once every 15 minutes and provides a record indicating whether the emissions are directed to the add-on control device or diverted from the add-on control device. The time of occurrence and flow control position must be recorded, as well as every time the flow direction is changed. The flow control position indicator must be installed at the entrance to any bypass line that could divert the emissions away from the add-on control device to the atmosphere.
 - (ii) **Car-seal or lock-and-key valve closures.** Secure any bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. The permittee must visually inspect the seal or closure mechanism at least once every month to ensure that the valve is maintained in the closed position, and the emissions are not diverted away from the add-on control device to the atmosphere.
 - (iii) **Valve closure monitoring.** Ensure that any bypass line valve is in the closed (nondiverting) position through monitoring of valve position at least once every 15 minutes. The permittee must inspect the monitoring system at least once every month to verify that the monitor will indicate valve position.
 - (iv) **Automatic shutdown system.** Use an automatic shutdown system in which the coating operation is stopped when flow is diverted by the bypass line away from the add-on control device to the atmosphere when the coating operation is running. The permittee must inspect the automatic shutdown system at least once every month to verify that it will detect diversions of flow and shut down the coating operation.
 - (v) **Flow direction indicator.** Install, calibrate, maintain, and operate according to the manufacturer's specifications a flow direction indicator that takes a reading at least once every 15 minutes and provides a record indicating whether the emissions are directed to the add-on control device or diverted from the add-on control device. Each time the flow direction changes, the next reading of the time of occurrence and flow direction must be recorded. The flow direction indicator must be installed in each bypass line or air makeup supply line that could divert the emissions away from the add-on control device to the atmosphere.
- (b) If any bypass line is opened, the permittee must include a description of why the bypass line was opened and the length of time it remained open in the semiannual compliance reports required in **Condition E4-12**.

40 CFR §63.3968(b)

Compliance Method: The permittee must utilize one of the above methods to monitor and secure the valve or closure mechanism securing the bypass line, maintain the applicable records specified in this condition, and report the details of bypass events in accordance with **E4-12(g)**.

E4-48. The permittee must comply with the requirements in paragraphs (a) and (b) of this condition:

- (a) For a thermal oxidizer, install a gas temperature monitor in the firebox of the thermal oxidizer or in the duct immediately downstream of the firebox before any substantial heat exchange occurs.
- (b) The permittee must meet the requirements in **Condition E4-46** and paragraphs (b)(i) through (v) of this condition for each gas temperature monitoring device. For the purposes of paragraph (b), a thermocouple is part of the temperature sensor.
 - (i) Locate the temperature sensor in a position that provides a representative temperature.
 - (ii) Use a temperature sensor with a measurement sensitivity of 5 degrees Fahrenheit or 1.0 percent of the temperature value, whichever is larger.
 - (iii) Before using the sensor for the first time or when relocating or replacing the sensor, perform a validation check by comparing the sensor output to a calibrated temperature measurement device or by comparing the sensor output to a simulated temperature.
 - (iv) Conduct an accuracy audit every quarter and after every deviation. Accuracy audit methods include comparisons of sensor output to redundant temperature sensors, to calibrated temperature measurement devices, or to temperature simulation devices.
 - (v) Conduct a visual inspection of each sensor every quarter if redundant temperature sensors are not used.

40 CFR §63.3968(c)

Compliance Method: Compliance with this condition shall be demonstrated by complying with **Condition E4-46**, maintaining records in accordance with **Condition E3-3**, and reporting in accordance with **Condition E4-12(d)** or **(g)**.

E4-49. The capture system monitoring system must comply with the applicable requirements in paragraphs (a) and (b) of this condition.

- (a) For each flow measurement device, the permittee must meet the requirements in **Condition E4-46** and paragraphs (1)(i) through (vii) of this condition.

- (i) Locate a flow sensor in a position that provides a representative flow measurement in the duct from each capture device in the emission capture system to the add-on control device.
 - (ii) Use a flow sensor with an accuracy of at least 10 percent of the flow.
 - (iii) Perform an initial sensor calibration in accordance with the manufacturer's requirements.
 - (iv) Perform a validation check before initial use or upon relocation or replacement of a sensor. Validation checks include comparison of sensor values with electronic signal simulations or via relative accuracy testing.
 - (v) Conduct an accuracy audit every quarter and after every deviation. Accuracy audit methods include comparisons of sensor values with electronic signal simulations or via relative accuracy testing.
 - (vi) Perform leak checks monthly.
 - (vii) Perform visual inspections of the sensor system quarterly if there is no redundant sensor.
- (b) For each pressure drop measurement device, the permittee must comply with the requirements in **Condition E4-46** and paragraphs (b)(i) through (vii) of this condition.
- (i) Locate the pressure sensor(s) in or as close to a position that provides a representative measurement of the pressure drop across each opening the permittee is monitoring.
 - (ii) Use a pressure sensor with an accuracy of at least 0.5 inches of water column or 5 percent of the measured value, whichever is larger.
 - (iii) Perform an initial calibration of the sensor according to the manufacturer's requirements.
 - (iv) Conduct a validation check before initial operation or upon relocation or replacement of a sensor. Validation checks include comparison of sensor values to calibrated pressure measurement devices or to pressure simulation using calibrated pressure sources.
 - (v) Conduct accuracy audits every quarter and after every deviation. Accuracy audits include comparison of sensor values to calibrated pressure measurement devices or to pressure simulation using calibrated pressure sources.
 - (vi) Perform monthly leak checks on pressure connections. A pressure of at least 1.0 inches of water column to the connection must yield a stable sensor result for at least 15 seconds.
 - (vii) Perform a visual inspection of the sensor at least monthly if there is no redundant sensor.

40 CFR §63.3968(g)

Compliance Method: Compliance with this condition shall be demonstrated by complying with **Condition E4-46**, maintaining records in accordance with **Condition E3-3**, and reporting in accordance with **Condition E4-12(d)** or **(g)**.

E4-50. On and after January 5, 2021, or once the reporting template has been available on the CEDRI website for one year, whichever date is later, the permittee shall submit the semiannual compliance report required by **Condition E4-12** to the EPA via the CEDRI. The CEDRI interface can be accessed through the EPA's CDX (<https://cdx.epa.gov/>). The permittee must use the appropriate electronic template on the CEDRI website for Subpart MMMM or an alternate electronic file format consistent with the XML schema listed on the CEDRI website (<https://www.epa.gov/electronic-reporting-air-emissions/compliance-and-emissions-data-reporting-interface-cedri>). The date report templates become available will be listed on the CEDRI website. If the reporting form for the semiannual compliance report specific to Subpart MMMM is not available in CEDRI at the time that the report is due, the permittee must submit the report to the Administrator at the appropriate addresses listed in 40 CFR §63.13. Once the form has been available in CEDRI for one year, the permittee must begin submitting all subsequent reports via CEDRI. The reports must be submitted by the deadlines specified in **Condition E2(c)**, regardless of the method in which the reports are submitted. Owners or operators who claim that some of the information required to be submitted via CEDRI is CBI shall submit a complete report generated using the appropriate form in CEDRI or an alternate electronic file consistent with the XML schema listed on the EPA's CEDRI website, including information claimed to be CBI, on a compact disc, flash drive, or other commonly used electronic storage medium to the EPA. The electronic medium shall be clearly marked as CBI and mailed to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted shall be submitted to the EPA via the EPA's CDX as described earlier in this condition.

40 CFR §63.3920(f)

E4-51. If the permittee must electronically submit a report through the CEDRI in the EPA's CDX, and due to a planned or actual outage of either the EPA's CEDRI or CDX systems within the period of time beginning five business days prior to the date that the submission is due, the permittee will be or is precluded from accessing CEDRI or CDX and submitting a required report within the time prescribed, the permittee may assert a claim of the EPA system outage for failure to timely comply with the reporting requirement. The permittee must submit notification to the Administrator in writing as soon as possible following the date the permittee first knew, or through due diligence should have known, that the event may cause or caused a delay in reporting. The permittee must provide to the Administrator a written description identifying the date, time, and length of the outage; a rationale for attributing the delay in reporting beyond the regulatory deadline to the EPA system outage; describe the measures taken or to be taken to minimize the delay in reporting; and identify a date by which the permittee proposes to report,

or if the permittee already has met the reporting requirement at the time of the notification, the date reported. In any circumstance, the report must be submitted electronically as soon as possible after the outage is resolved. The decision to accept the claim of the EPA system outage and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

40 CFR §63.3920(g)

- E4-52.** If required to electronically submit a report through CEDRI in the EPA's CDX and a force majeure event is about to occur, occurs, or has occurred or there are lingering effects from such an event within the period of time beginning five business days prior to the date the submission is due, the permittee may assert a claim of force majeure for failure to timely comply with the reporting requirement. For the purposes of this condition, a force majeure event is defined as an event that will be or has been caused by circumstances beyond the control of the affected facility, its contractors, or any entity controlled by the affected facility that prevents the permittee from complying with the requirement to submit a report electronically within the time period prescribed. Examples of such events are acts of nature (*e.g.*, hurricanes, earthquakes, or floods), acts of war or terrorism, or equipment failure or safety hazard beyond the control of the affected facility (*e.g.*, large scale power outage). If the permittee intends to assert a claim of force majeure, the permittee must submit notification to the Administrator in writing as soon as possible following the date the permittee first knew, or through due diligence should have known, that the event may cause or caused a delay in reporting. The permittee must provide to the Administrator a written description of the force majeure event and a rationale for attributing the delay in reporting beyond the regulatory deadline to the force majeure event; describe the measures taken or to be taken to minimize the delay in reporting; and identify a date by which the permittee proposes to report, or if the permittee already has met the reporting requirement at the time of the notification, the date reported. In any circumstance, the reporting must occur as soon as possible after the force majeure event occurs. The decision to accept the claim of force majeure and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

40 CFR §63.3920(h)

13-0083-02: **Adhesive Coating with RTO Control** – Adhesive coating operations utilizing manual spray, automatic spray, roller coating, and tumble spraying with associated steam-heated drying ovens. Operations also contain wet scrubbers and filters for particulate control.

Coating operations operate independently and are controlled by two regenerative thermal oxidizers (RTOs) operating in parallel, or one RTO at half production. The coating operations have a by-pass valve, which can redirect organic emissions directly to the atmosphere.

The coating operation(s) include systems identified as:

B711	B700	B906	B1030	B564	B1253
B1152	B984	MB1749	B899	B752	MB10365
B1236	B1259	MB8437	B1308	MB10520	B369
MB1478	MB1377	MB8971	MB9231	MB8763	
MB9947	B1426	B1495	B662	B626	

Subject to 40 CFR 63 Subpart M and TAPCR 1200-03-18-.20

Conditions E5-1 through E5-6 apply to source 13-0083-02.

E5-1. The stated number of application booths at this source is 28.

TAPCR 1200-03-09-.03(8) and the performance testing conducted October 16 and 17, 2025

Compliance Method: This condition is a statement of the number of application booths permitted to operate as part of this source. If the permittee needs to increase the number of application booths at this source, the permittee shall pursue the appropriate Title V procedure in accordance with TAPCR 1200-03-09-.02(11). If a construction permit is applied for, this shall be done in accordance with TAPCR 1200-03-09-.01(1).

E5-2. The stated design heat input capacity of this source is listed below. Should the permittee need to modify the source in a manner that increases the design heat input capacity, the permittee shall pursue the appropriate Title V procedure in accordance with TAPCR 1200-03-09-.02(11). If a construction permit is applied for, this shall be done in accordance with TAPCR 1200-03-09-.01(1).

Description	Capacity (MMBtu/hr)
RTO-T641	1.93
RTO-T642	1.93

TAPCR 1200-03-09-.02(6) and the information provided by the permittee July 19, 2024

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

E5-3. The permittee shall operate no more than 15 application booths simultaneously when operating a single RTO.

TAPCR 1200-03-09-.02(6) and the construction permit application dated February 7, 2024

Compliance Method: The permittee shall maintain a record of all time periods when a single RTO is in operation and the maximum number of application booths operating simultaneously during each single-RTO operating period. The automated coating equipment shall be tracked utilizing the server-based IOT production tracking system and the hand-application booths shall be tracked manually. The times that all booths are actively exhausting to the RTO shall be tracked to verify that no more than 15 machines are simultaneously operated during each single-RTO operating period. These records shall be maintained and made readily available for inspection by the Technical Secretary or a Division representative. A summary of these records (as shown in the example log below) shall be included with the semiannual report required by **Condition E2(a)**.

Single RTO Operating Period Log				
Date	Start Time	End Time	ID of Active RTO	Maximum Number of Application Booths Operating Simultaneously

E5-4. PM emitted from this source shall not exceed 0.02 grains per dry standard cubic foot of exhaust gas (5.25 lbs/hr) on a daily average basis.

TAPCR 1200-03-07-.04(1)

Compliance Method: Compliance with this condition shall be assured by proper operation and maintenance of all PM control devices. Booths which utilize control devices (filter media or wet scrubbers for spray booths) shall not operate unless the associated control device is in place and functioning properly. The permittee shall inspect the control devices on a weekly basis (once per calendar week) prior to starting the source and replace filter media as needed. The permittee shall initiate, as well as record, corrective action within 24 hours and complete, as well as record, corrective action as expediently as practical if the permittee finds that a problem has developed during an inspection of the control devices. Inspection and filter media replacement records shall be kept and shall also include the initials of the person performing the inspection(s) and corrective action(s), along with the date, time, and any relevant comments. Weeks that the source is not in operation shall be noted.

E5-5. The enclosures in which the coating booths are installed shall meet the following criteria for total enclosures to assure 100% capture of emissions being sent to the control device:

- (a) Any natural draft opening (NDO) shall be at least four equivalent opening diameters from each VOC emitting point unless otherwise specified by the Technical Secretary. An NDO is defined as any permanent opening in the enclosure that remains open during operation of the emission source and is not connected to a duct in which a fan is installed.
- (b) Any exhaust point from the enclosure shall be at least four equivalent duct or hood diameters from each NDO.
- (c) The total area of all NDOs shall not exceed five percent (5%) of the surface area of the enclosure’s four walls, floor, and ceiling.
- (d) The average facial velocity (FV) of air through all NDOs shall be at least 200 feet per minute. The direction of air flow through all NDOs shall be into the enclosure. A differential pressure across the enclosure of 0.007 inches of water (0.013 mm Hg) is required to demonstrate compliance with this requirement.
- (e) All access doors and windows whose areas are not included in item c. and are not included in the calculation in item d. shall be closed during routine operation of the emission source.

TAPCR 1200-03-09-.03(8) and 1200-03-10-.02(1)(a)

E5-6. VOC emitted from this source, when combined with VOC emissions from all other sources at this facility, including insignificant emission units and activities, shall not exceed the facility-wide limit specified in **Condition E3-5**. This is a PSD avoidance limit for VOC.

TAPCR 1200-03-09-.01(4) and the agreement letter dated December 2, 2025 (Attachment 8)

Compliance Method: The permittee shall calculate the actual quantities of VOC emitted from this source during each calendar month and maintain records of these emissions. Calculations shall be maintained in a log (*see example below*) that contains the following information for all input materials (primers, coatings, inks, solvents, cleaning materials, etc.) used during any month:

- (a) Monthly usage, material density, VOC content of each input material;
- (b) Control efficiency – The capture and control efficiency of 95% can be used to calculate the amount of VOC emitted when two RTOs are operating only if the average 3-hour block temperature of RTO-T641 and RTO-T642 are at or above the minimum temperature limit established in the most recent performance test, and each of the enclosures meets PTE as specified in **Conditions E4-43** and **E5-5**. The capture and control efficiency of 95% can be used to calculate the amount of VOC emitted during the single-RTO operating periods only if the average 3-hour block temperature of the active RTO is at or above the minimum temperature limit of that RTO as established during the most recent performance test for the single-RTO operating scenario, and if each of the enclosures meets PTE as specified in **Conditions E4-43 and E5-5**, and if the requirement in **Condition E5-3** is being met. Otherwise, the control efficiency is equal to zero.
- (c) Monthly emissions, in tons of VOC for each input material;
- (d) Total emissions of VOC during each month.

Monthly VOC emissions (in tons) from this source must be included in the facility-wide VOC recordkeeping required by **Condition E3-5**.

Monthly Material Usage/VOC Emissions Log for 13-0083-02					
Month/Year:					
Material Used	Material Usage (gallons)	Control Efficiency (%)*	Material Density (lb/gal)	Weight Percent VOC (%)	VOC Emitted (tons)
Controlled Periods					
Coating A		95%			
Thinner A		95%			
Cleaning Solvent		95%			
Uncontrolled Periods					
Coating A		0%			
Thinner A		0%			
Cleaning Solvent		0%			
Total					

* The capture and control efficiency of 95% can be used only if all coatings, thinners and/or other additives, and cleaning materials used in the coating operation are applied within the capture system; coating solvent flash-off, curing, and drying occurs within the capture system; and the removal or evaporation of cleaning materials from the surfaces they are applied to occurs within the capture system. For example, this criterion is not met if parts enter the open shop environment when being moved between a spray booth and a curing oven. A curing oven in this example would be an oven used to cure a coating(s), as defined in §63.3981. A part with a fully cured coating being transferred to a curing oven for another purpose (e.g., to cure rubber), would meet the criterion for application of a 95% control efficiency.

Calculation Instructions:

VOC Emitted (tons)= Material Used (gallons) * Material Density (lb/gallon) * Weight Percent VOC (%) * [1 – Control Efficiency (%)] * 1 ton/2,000 pounds

<p>13-0083-10:</p> <p>The following units operate independently, have their own stack and are grouped together for ease of record keeping.</p> <p>The coating operation(s) include systems identified as:</p> <table style="width: 100%; border: none;"> <tr> <td>B455</td> <td>B040</td> <td>B1491</td> <td>B1508</td> <td>MB9295</td> <td>MB9425</td> </tr> <tr> <td>MB9515</td> <td>B1436</td> <td>B785</td> <td>B1525</td> <td>MB10337</td> <td>MB9182</td> </tr> <tr> <td>B1433</td> <td>B1473</td> <td>MB1955</td> <td>B1528</td> <td>MB1555</td> <td>MB11247</td> </tr> <tr> <td>B903</td> <td>B1477</td> <td>B1430</td> <td>MB1552</td> <td>B1439</td> <td></td> </tr> <tr> <td>B1235</td> <td>B1488</td> <td>B1520</td> <td>MB8882</td> <td>B799</td> <td></td> </tr> </table> <p>Subject to 40 CFR 63 Subpart Mmmm and TAPCR 1200-03-18-20</p>	B455	B040	B1491	B1508	MB9295	MB9425	MB9515	B1436	B785	B1525	MB10337	MB9182	B1433	B1473	MB1955	B1528	MB1555	MB11247	B903	B1477	B1430	MB1552	B1439		B1235	B1488	B1520	MB8882	B799		<p>Finish Coating - Manual and automatic finish spray coating of metal parts in the spray machines identified below, each consisting of spray booth, steam heated drying oven, and water fall/water wash system for control of emissions. The spray booths are also equipped with filters for control of particulate emissions.</p>
B455	B040	B1491	B1508	MB9295	MB9425																										
MB9515	B1436	B785	B1525	MB10337	MB9182																										
B1433	B1473	MB1955	B1528	MB1555	MB11247																										
B903	B1477	B1430	MB1552	B1439																											
B1235	B1488	B1520	MB8882	B799																											

Conditions E6-1 and E6-2 apply to source 13-0083-10.
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E6-1. PM emitted from stacks of the individual emission units shall not exceed a maximum of 0.02 grains per dry standard cubic foot of exhaust gas (0.49 pounds per hour, each stack).

TAPCR 1200-03-07-.04(1) and 1200-03-10-.02(2)(a)

Compliance Method: Compliance with this condition shall be assured by proper operation and maintenance of exhaust filters on all spray booths. Spray booths shall not operate unless the exhaust filters are in place and functioning properly. The permittee

shall inspect the exhaust filters in each spray booth on a weekly basis (once per calendar week) prior to starting the booth and replace filter media as needed. The permittee shall initiate, as well as record, corrective action within 24 hours and complete, as well as record, corrective action as expeditiously as practical if the permittee finds that a problem has developed during an inspection of the exhaust filters. Inspection and filter media replacement records shall be kept and shall also include the initials of the person performing the inspection(s) and corrective action(s), along with the date, time, and any relevant comments. Weeks that the source is not in operation shall be noted.

E6-2. VOC emitted from this source, when combined with VOC emissions from all other sources at this facility, including insignificant emission units and activities, shall not exceed the facility-wide limit specified in **Condition E3-5**. This is a PSD avoidance limit for VOC.

TAPCR 1200-03-09-.01(4), 1200-03-10-.02(2)(a), and the agreement letter dated December 2, 2025 (Attachment 8)

Compliance Method: The permittee shall calculate the actual quantities of VOC emitted from this source during each calendar month and maintain records of these emissions. Calculations shall be maintained in a log (*see example below*) that contains the following information for all input materials (primers, coatings, inks, solvents, cleaning materials, etc.) used during any month:

- (a) Monthly usage, material density, VOC content of each input material;
- (b) Monthly emissions in tons of VOC for each input material;
- (c) Total emissions of VOC during each month.

Monthly VOC emissions (in tons) from this source must be included in the facility-wide VOC recordkeeping required by **Condition E3-5**.

Monthly Material Usage/VOC Emissions Log for 13-0083-10					
Month/Year:					
Material Used	Material Usage (gallons)	Material Density (lb/gal)	Weight Percent VOC	VOC Emitted (lb)	VOC Emitted (ton)
Coating A					
Thinner A					
Cleaning Solvent					
Total					

<p>13-0083-35:</p> <p>The wet blast machines include systems identified as:</p> <p style="margin-left: 40px;">B1014</p> <p style="margin-left: 40px;">MB9741</p> <p>Subject to 40 CFR 63 Subpart M</p>	<p>Wet Blast Systems - Cleaning operation where metal parts are blasted with an aluminum oxide slurry followed by dipping in a zinc phosphate solution. Degreasers are used at this source. The renewal application dated May 20, 2024, indicated that no VOC or HAP containing materials are used at this source</p>	<p>B1108</p> <p>B560</p>	<p>B8986</p> <p>B8988</p>
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Condition E7-1 applies to source 13-0083-35.

E7-1. VOC emitted from this source, when combined with VOC emissions from all other sources at this facility, including insignificant emission units and activities, shall not exceed the facility-wide limit specified in **Condition E3-5**. This is a PSD avoidance limit for VOC. At the time of permit issuance, the permittee has stated that no VOC-containing materials are utilized at this source

TAPCR 1200-03-09-.01(4), 1200-03-10-.02(2)(a), and the agreement letter dated December 2, 2025 (Attachment 8)

Compliance Method: The permittee shall certify annually that no VOC-containing materials are utilized at this source in the report required by **Condition E2(b)**. Should the permittee need to begin to use VOC-containing materials at this source, the

permittee shall pursue the appropriate Title V procedure in accordance with TAPCR 1200-03-09-.02(11) to modify this condition appropriately.

13-0083-36: Surface Coating of Fixtures - Spray application of non-stick coating (polyflon/neoflon) on fixtures (adhesive auto-spray fixtures and molds). Exhaust filters are used for control of particulate emissions.

The surface coating of fixtures includes systems identified as: B1159

Subject to 40 CFR 63 Subpart M and TAPCR 1200-03-18-.20

Conditions E8-1 through E8-2 apply to source 13-0083-36.

E8-1. PM emitted from stacks of the individual emission units shall not exceed a maximum of 0.02 grains per dry standard cubic foot of exhaust gas (0.36 lbs/hr) on a daily average basis.

TAPCR 1200-03-07-.04(1) and 1200-03-10-.02(2)(a)

Compliance Method: Compliance with this condition shall be assured by proper operation and maintenance of paper exhaust filters. The source shall not operate unless the filters are in place and functioning properly. The permittee shall inspect the filters on a weekly basis (once per calendar week) prior to starting the source and replace filter media as needed. The permittee shall initiate, as well as record, corrective action within 24 hours and complete, as well as record, corrective action as expediently as practical if the permittee finds that a problem has developed during an inspection of the filters. Inspection and filter media replacement records shall be kept and shall also include the initials of the person performing the inspection(s) and corrective action(s), along with the date, time, and any relevant comments. Weeks that the source is not in operation shall be noted.

E8-2. VOC emitted from this source, when combined with VOC emissions from all other sources at this facility, including insignificant emission units and activities, shall not exceed the facility-wide limit specified in **Condition E3-5**. This is a PSD avoidance limit for VOC.

TAPCR 1200-03-09-.01(4), 1200-03-10-.02(2)(a), and the agreement letter dated December 2, 2025 (Attachment 8)

Compliance Method: The permittee shall calculate the actual quantities of VOC emitted from this source during each calendar month and maintain records of these emissions. Calculations shall be maintained in a log (*see example below*) that contains the following information for all input materials (primers, coatings, inks, solvents, cleaning materials, etc.) used during any month:

- (a) Monthly usage, material density, VOC content of each input material;
- (b) Monthly emissions in tons of VOC for each input material;
- (c) Total emissions of VOC during each month.

Monthly VOC emissions (in tons) from this source must be included in the facility-wide VOC recordkeeping required by **Condition E3-5**.

Monthly Material Usage/VOC Emissions Log for 13-0083-36					
Month/Year:					
Material Used	Material Usage (gallons)	Material Density (lb/gal)	Weight Percent VOC	VOC Emitted (lb)	VOC Emitted (ton)
Coating A					
Thinner A					
Cleaning Solvent					
Total					

13-0083-38: Urethane Foam Production Lines – molded flexible polyurethane foam production

This operation includes systems identified as:

MB831

MB10481

MB9639

MB10887

MB10164

MB11651

Subject to 40 CFR 63 Subpart III

Conditions E9-1 through E9-9 apply to source 13-0083-38.

- E9-1.** The urethane foam production lines that comprise Source 38 are subject to and shall comply with all applicable requirements of 40 CFR Part 63, Subpart III - National Emission Standards for Hazardous Air Pollutants for Polyurethane Foam Production (Subpart III). The permittee operates a new flexible polyurethane foam process that emits a HAP and is located at a site that is a major source of HAP emissions.

40 CFR §63.1290(a), TAPCR 1200-03-09-.03(8), and 0400-30-38-.01(1)

- E9-2.** The emission limitations set forth in Subpart III and the emission limitations referred to in Subpart III shall apply at all times except during periods of non-operation of the affected source (or specific portion thereof) resulting in cessation of the emissions to which Subpart III applies.

The permittee shall not shut down items of equipment that are required or utilized for compliance with Subpart III during times when emissions are being routed to such items of equipment if the shutdown would contravene requirements of Subpart III applicable to such items of equipment.

At all times, the permittee shall operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether a source is operating in compliance with operation and maintenance requirements will be based on information available to the Technical Secretary, which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

40 CFR §63.1290(d)

Compliance Method: Compliance with this condition shall be demonstrated by compliance with **Condition E3-3**.

- E9-3.** A HAP or HAP-based material shall not be used as an equipment cleaner to flush the mixhead, nor shall it be used elsewhere as an equipment cleaner in a molded flexible polyurethane foam process, with the following exception. Diisocyanates may be used to flush the mixhead and associated piping during periods of startup or maintenance, provided that the diisocyanate compounds are contained in a closed-loop system and are re-used in production.

A HAP-based mold release agent shall not be used in a molded flexible polyurethane foam source process.

40 CFR §63.1300

Compliance Method: Compliance with this condition shall be demonstrated by maintaining product data sheets for each material used as described in **Conditions E9-7** and **E9-8**.

- E9-4.** The permittee shall comply with the applicable requirements of Subpart A of Subpart III, as specified in Table 1 of Subpart III (Attachment 6).

40 CFR §63.1302

- E9-5.** The permittee shall submit a compliance certification annually to the address outlined in **Condition E2(b)** as specified in paragraphs (1) through (3) of this condition.

- (a) The compliance certification shall be based on information consistent with that contained in **Condition E9-9**, as applicable.
 (b) The compliance certification required by Condition E2(b) may be used to satisfy the requirements of this condition, provided that the compliance certification is based on information consistent with that contained in **Condition E9-9**.

(c) Each compliance certification submitted pursuant to this condition shall be signed by the responsible official of this facility.

40 CFR §63.1306(e)

E9-6. If this source fails to meet an applicable standard, the permittee shall report such events in the next annual compliance certification required by **Condition E2(b)**. Report the number of failures to meet an applicable standard. For each instance, report the date, time and duration of each failure. For each failure, the report shall include a list of the affected sources or equipment, an estimate of the volume of each regulated pollutant emitted over any emission limit, and a description of the method used to estimate the emissions.

40 CFR §63.1306(f)

Compliance Method: Compliance with this condition shall be demonstrated by the compliance certification in **Condition E2(b)**.

E9-7. The permittee shall maintain a product data sheet for each compound other than the diisocyanates used to flush the mixhead and associated piping during periods of startup or maintenance, which includes the HAP content in kg of HAP/kg of solids (lb HAP/lb solids), of each solvent other than diisocyanates used to flush the mixhead and associated piping during periods of startup or maintenance.

40 CFR §63.1307(f)

Compliance Method: Compliance with this condition shall be assured by maintaining the specified documents in accordance with **Condition E3-6**.

E9-8. The permittee shall maintain a product data sheet for each mold release agent used that includes the HAP content, in kg of HAP/kg solids (lb HAP/lb solids), of each mold release agent.

40 CFR §63.1307(g)

Compliance Method: Compliance with this condition shall be assured by maintaining the specified documents in accordance with **Condition E3-6**.

E9-9. Violation of each item listed in paragraphs (a) and (b) of this condition shall be considered a separate violation of Subpart III.

(a) Each calendar day that a HAP-based material is used as an equipment cleaner (except for diisocyanates used to flush the mixhead and associated piping during periods of startup or maintenance, provided that the diisocyanate compounds are contained in a closed-loop system and are re-used in production).

(b) Each calendar day that a HAP-based material is used as a mold release agent.

40 CFR §63.1308(d)

Compliance Method: The permittee shall identify each violation of the items listed in paragraphs (a) and (b) of this condition as a separate violation in the compliance certification required by **Condition E2(b)**.

E9-10. VOC emitted from this source, when combined with VOC emissions from all other sources at this facility, including insignificant emission units and activities, shall not exceed the facility-wide limit specified in **Condition E3-5**. This is a PSD avoidance limit for VOC.

TAPCR 1200-03-09-.01(4), 1200-03-10-.02(2)(a), and the agreement letter dated December 2, 2025 (Attachment 8)

Compliance Method: The permittee shall calculate the actual quantities of VOC emitted from this source during each calendar month and maintain records of these emissions. Calculations shall be maintained in a log (*see example below*) that contains the following information for all input materials (primers, coatings, inks, solvents, cleaning materials, etc.) used during any month:

(a) Monthly usage, material density, VOC content of each input material;

(b) Monthly emissions in tons of VOC for each input material;

(c) Total emissions of VOC during each month.

Monthly VOC emissions (in tons) from this source must be included in the facility-wide VOC recordkeeping required by **Condition E3-5**. Maximum annual emissions of VOC from diisocyanate emitted from the foam production were estimated using the MDI calculator to be 3.9×10^{-9} tons per year.

Monthly Material Usage/VOC Emissions Log for 13-0083-38					
Month/Year:					
Material Used	Material Usage (gallons)	Material Density (lb/gal)	Weight Percent VOC	VOC Emitted (lb)	VOC Emitted (ton)
Material A					
Material B					
Total					

13-0083-14, 39: Three Natural Gas-Fired Boilers (Boiler #1, installed in 2024; Boiler #2, installed in 2004; and Boiler #3, installed in 2021).
Subject to 40 CFR 63 Subpart DDDDD

Conditions E10-1 through E10-15 apply to source 13-0083-14, 39.

E10-1. The stated design heat input capacity of each boiler is listed in the table below. Should the permittee need to modify a boiler in a manner that increases the design heat input capacity the permittee shall pursue the appropriate Title V procedure in accordance with TAPCR 1200-03-09-.02(11). If a construction permit is applied for, this shall be done in accordance with TAPCR 1200-03-09-.01(1) prior to making the change.

Boiler ID	Capacity (MMBtu/hr)
Boiler #1	8.165
Boiler #2	8.1646
Boiler #3	8.165

TAPCR 1200-03-09-.02(11)(f)5(ii) and the minor modification applications dated May 20, 2024, and November 25, 2025

Compliance Method: The permittee shall maintain documentation to substantiate the rated heat input capacity of each boiler. Documentation may include, but is not limited to, purchase records, manufacturer’s specifications, operating manuals, or a tag affixed to the unit by the manufacturer. This information shall be kept readily accessible and made available upon request by the Technical Secretary or a Division representative.

E10-2. Only natural gas shall be used as fuel for each boiler. If the permittee wishes to modify a boiler to allow the use of a fuel other than natural gas, the permittee shall pursue the appropriate Title V procedure in accordance with TAPCR 1200-03-09-.02(11). If a construction permit is applied for, this shall be done in accordance with TAPCR 1200-03-09-.01.

TAPCR 1200-03-09-.02(11)(f)5(ii) and the minor modification applications dated May 20, 2024, and November 25, 2025

Compliance Method: The permittee shall maintain documentation to demonstrate the type(s) of fuel used by each boiler. Documentation shall include, but is not limited to, manufacturer’s specifications, purchase records, operating manuals, or a tag affixed to the unit by the manufacturer. These documents shall be kept readily available/accessible and made available upon request by the Technical Secretary or a Division representative.

E10-3. PM emissions from each boiler shall not exceed the limits listed in the table below, on a daily average basis.

Boiler ID	PM (lb/hr)
Boiler #1	0.1
Boiler #2	0.1
Boiler #3	0.1

TAPCR 1200-03-06-.01(7) and the agreement letters dated December 2, 2025, and December 19, 2025 (Attachment 8)

Compliance Method: Compliance with these limitations is assured by compliance with **Conditions E10-1, E10-2**, and using the PM₁₀ (filterable) emission factor of 0.2 lb/MMscf and the PM (condensable) emission factor of 0.322 lb/MMscf from Industrial, Commercial, and Institutional (ICI) combustion source categories (industrial natural gas) from the 2014 National Emissions Inventory (NEI), Version 2 Technical Support Document (May 2018).

E10-4. Sulfur dioxide (SO₂) emissions from each boiler shall not exceed the limits listed in the table below.

Boiler ID	SO ₂ (lb/hr)
Boiler #1	0.1
Boiler #2	0.1
Boiler #3	0.1

TAPCR 1200-03-14-.01(3) and the agreement letters dated December 2, 2025, and December 19, 2025 (Attachment 8)

Compliance Method: Compliance with these limitations is assured by compliance with **Conditions E10-1, E10-2**, and using the SO₂ emission factor of 0.6 lb/MMscf from ICI combustion source categories (industrial natural gas) from the 2014 NEI, Version 2 Technical Support Document (May 2018).

E10-5. Carbon monoxide (CO) emissions from each boiler shall not exceed the limits listed in the table below.

Boiler ID	CO (tons/12 consecutive months)
Boiler #1	2.95
Boiler #2	2.95
Boiler #3	2.95

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

Compliance Method: Compliance with these limitations is assured by compliance with **Conditions E10-1, E10-2**, and using the CO emission factor of 84 lb/MMscf from ICI combustion source categories (industrial natural gas) from the 2014 NEI, Version 2 Technical Support Document (May 2018).

E10-6. Nitrogen oxides (NO_x) emissions from each boiler shall not exceed the limits listed in the table below.

Boiler ID	NO _x (tons/12 consecutive months)
Boiler #1	2.50
Boiler #2	3.51
Boiler #3	2.50

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

Compliance Method: Compliance with these limitations is assured by compliance with **Conditions E10-1, E10-2**, using the NO_x emission factor of 100 lb/MMscf from ICI combustion source categories (industrial natural gas) from the 2014 NEI, Version 2 Technical Support Document (May 2018) for Boiler #2, and using the NO_x emission factor of 0.07 lb/MMBtu provided by the boiler vendor for Boilers #1 and #3 (Cleaver-Brooks Boiler Expected Emissions Data, dated May 7, 2024, included in the Minor Modification application dated November 25, 2025).

E10-7. VOC emissions from each boiler shall not exceed the limits listed in the table below. These emissions are included in the facility-wide VOC limitation in **Condition E3-9**.

Boiler ID	VOC (tons/12 consecutive months)
Boiler #1	0.19
Boiler #2	0.19
Boiler #3	0.19

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

Compliance Method: Compliance with these limitations is assured by compliance with **Conditions E10-1, E10-2**, and using the VOC emission factor of 5.5 lb/MMscf from ICI combustion source categories (industrial natural gas) from the 2014 NEI, Version 2 Technical Support Document (May 2018).

E10-8. Each boiler is subject to and shall comply with all applicable requirements of 40 CFR 63, Subpart DDDDD - *National Emission Standards for Hazardous Air Pollutants: Industrial, Commercial, and Institutional Boilers and Process Heaters* (Subpart DDDDD). This subpart applies to industrial, commercial, or institutional boilers and process heaters located at major sources of hazardous air pollutants (HAP). Boilers #1 and #2 are an existing affected source in the subcategory of units designed to burn gas 1 fuels. Boiler #3 is a new affected source in the same subcategory. The applicable requirements are incorporated into this permit pursuant to TAPCR 1200-03-09-.03(8).

40 CFR §63.7485, §63.7490(a), and §63.7499(l)

E10-9. Each new or reconstructed boiler must comply with Subpart DDDDD upon startup.

40 CFR §63.7495(a)

E10-10. At all times, the permittee must operate and maintain each affected boiler, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Technical Secretary that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

40 CFR §63.7500(a)(3)

E10-11. The permittee must conduct a biennial performance tune-up of each boiler as specified in paragraphs (a) through (f) as follows, to demonstrate continuous compliance. Each biennial tune up must be conducted no more than 25 months after the previous tune-up.

- (a) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the permittee may delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;
- (b) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;
- (c) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the permittee may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;
- (d) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NO_x requirement to which the unit is subject;
- (e) Measure the concentration in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either of a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and
- (f) Maintain on-site and submit, if requested by the Technical Secretary, an annual report containing the information in paragraphs (f)(i) through (iii) of this condition,
 - (i) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in -volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;
 - (ii) A description of any corrective actions taken as a part of the tune-up; and

- (iii) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.

40 CFR §63.7500(a)(1) and (e), §63.7515(d), §63.7540(a)(11), and Table 3 to Subpart DDDDD

Compliance Method: Compliance with this requirement shall be assured by compliance with **Conditions E10-12 and E10-13**.

E10-12. The permittee must submit a biennial compliance report for each boiler, in accordance with §63.7550(a) and (b) and Table 9 to Subpart DDDDD. The first compliance report for Boilers #1 through #3 was received March 4, 2025. Subsequent biennial compliance reports must cover the applicable 2-year periods from January 1 to December 31. Biennial compliance reports must be postmarked or submitted no later than January 31 immediately following the end of the reporting period, and must contain the following information, as applicable:

- (a) Company and Facility name and address.
- (b) Process unit information, emissions limitations, and operating parameter limitations.
- (c) Date of report and beginning and ending dates of the reporting period.
- (d) Include the date of the most recent tune-up for each unit subject to only the requirement to conduct tune-ups in accordance with **Condition E10-11**. Include the date of the most recent burner inspection if it was not done annually and was delayed until the next scheduled or unscheduled unit shutdown.
- (e) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

Pursuant to §63.7550(h)(3), the permittee must submit all reports required by Table 9 of Subpart DDDDD electronically to the EPA via the CEDRI. (CEDRI can be accessed through the EPA's CDX.) The permittee must use the appropriate electronic report in CEDRI for Subpart DDDDD. Instead of using the electronic report in CEDRI for Subpart DDDDD, the permittee may submit an alternate electronic file consistent with the XML schema listed on the CEDRI Web site (<http://www.epa.gov/ttn/chief/cedri/index.html>), once the XML schema is available. If the reporting form specific to Subpart DDDDD is not available in CEDRI at the time that the report is due, the permittee must submit the report to the EPA Administrator at the appropriate address listed in §63.13. The permittee must begin submitting reports via CEDRI no later than 90 days after the form becomes available in CEDRI.

Copies of all reports must be submitted to the Permitting Program at the address specified in **Condition E2(c)**.

40 CFR §63.7550(a), (b)(1) – (4), (c)(1) and (5), (h)(3), and Table 9 to Subpart DDDDD

Compliance Method: Compliance with this requirement shall be assured by submitting the annual reports and maintaining records as specified in **Conditions E10-13 and E10-14**.

E10-13. The permittee shall keep records according to paragraphs (a) and (b) of this condition.

- (a) A copy of each notification and report that the permittee submitted to comply with Subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that the permittee submitted, according to the requirements in 40 CFR §63.10(b)(2)(xiv).
- (b) Records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in 40 CFR §63.10(b)(2)(viii).

40 CFR §63.7555(a)

Compliance Method: Compliance with this requirement shall be assured by maintaining the specified records in accordance with **Condition E10-14**.

E10-14. The permittee's records must be in a form suitable and readily available for expeditious review, according to 40 CFR §63.10(b)(1). As specified in §63.10(b)(1), the permittee must keep each record for five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least two years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). The permittee can keep the records off site for the remaining three years.

40 CFR §63.7560

Compliance Method: Compliance with this requirement shall be assured by maintaining all records as specified in this condition.

E10-15. The permittee must comply with the requirements of 40 CFR Part 63, Subpart A, according to the applicability of 40 CFR Part 63, Subpart A as identified in **Attachment 8** of this permit. In the event of a discrepancy between the requirements shown in **Attachment 8** and the requirements of Subpart A as published in the Federal Register, the Federal Register language shall be controlling.

40 CFR §63.7565

END OF PERMIT 582386

ATTACHMENT 1

**Opacity Matrix Decision Tree for
Visible Emission Evaluation by EPA Method 9,
Dated June 18, 1996, And 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, NO_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.

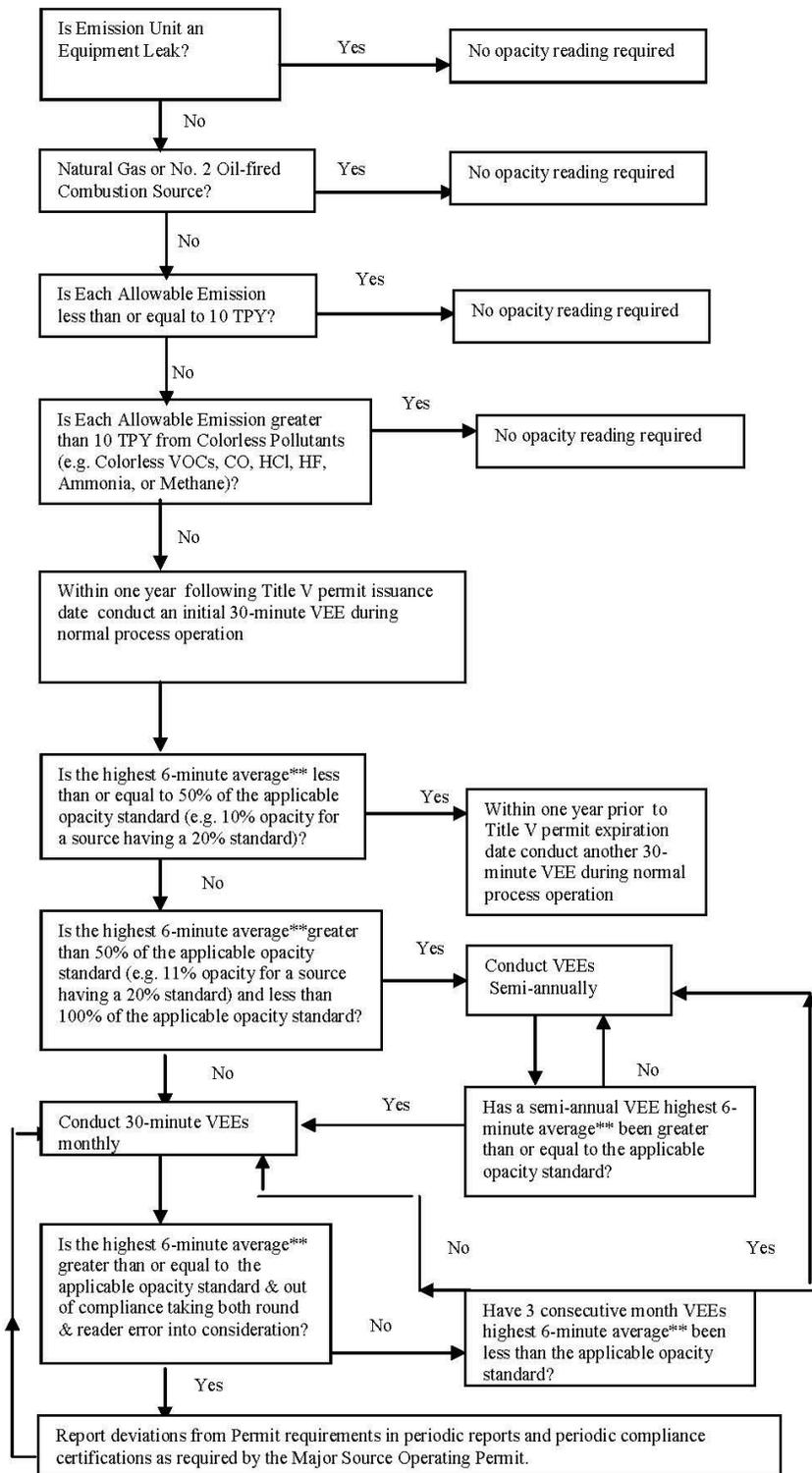
Reader Error
EPA Method 9, Non-NSPS or NESHAPS stipulated opacity standards: The TAPCD guidance is to declare non-compliance when the highest six-minute average*** exceeds the standard plus 6.8% opacity (e.g. 26.8% for a 20% standard).

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



ATTACHMENT 2

**Table 2 to Subpart MMMM of Part 63 – Applicability of General Provisions to
Subpart MMMM of Part 63**

Table 2 to Subpart MMMM of Part 63. – Applicability of General Provisions to Subpart MMMM			
Citation	Subject	Applicability to Subpart MMMM	Explanation
§63.1(a)(1)-(14)	General Applicability	Yes	
§63.1(b)(1)-(3)	Initial Applicability Determination	Yes	Applicability to subpart MMMM is also specified in §63.3881.
§63.1(c)(1)	Applicability After Standard Established	Yes	
§63.1(c)(2)-(3)	Applicability of Permit Program for Area Sources	No	Area sources are not subject to subpart MMMM.
§63.1(c)(4)-(5)	Extension and Notifications	Yes	
§63.1(c)(6)	Reclassification	Yes	
§63.1(e)	Applicability of Permit Program Before Relevant Standard is Set	Yes	
§63.2	Definitions	Yes	Additional definitions are specified in §63.3981.
§63.3(a)-(c)	Units and Abbreviations	Yes	
§63.4(a)(1)-(5)	Prohibited Activities	Yes	
§63.4(b)-(c)	Circumvention/Severability	Yes	
§63.5(a)	Construction/Reconstruction	Yes	
§63.5(b)(1)-(6)	Requirements for Existing, Newly Constructed, and Reconstructed Sources	Yes	
§63.5(d)	Application for Approval of Construction/Reconstruction	Yes	
§63.5(e)	Approval of Construction/Reconstruction	Yes	
§63.5(f)	Approval of Construction/Reconstruction Based on Prior State Review	Yes	
§63.6(a)	Compliance With Standards and Maintenance Requirements – Applicability	Yes	
§63.6(b)(1)-(7)	Compliance Dates for New and Reconstructed Sources	Yes	Section 63.3883 specifies the compliance dates.
§63.6(c)(1)-(5)	Compliance Dates for Existing Sources	Yes	Section 63.3883 specifies the compliance dates.
§63.6(e)(1)-(2)	Operation and Maintenance	Yes	
§63.6(e)(3)	SSMP	Yes before January 5, 2021. No on and after January 5, 2021	
§63.6(f)(1)	SSM	Yes before January 5, 2021. No on and after January 5, 2021	
§63.6(f)(2)-(3)	Methods for Determining Compliance	Yes	
§63.6(g)(1)-(3)	Use of an Alternative Standard	Yes	
§63.6(h)	Compliance With Opacity/Visible Emission Standards	No	Subpart MMMM does not establish opacity standards and does not require continuous opacity monitoring systems (COMS).
§63.6(i)(1)-(16)	Extension of Compliance	Yes	
§63.6(j)	Presidential Compliance Exemption	Yes	
§63.7(a)(1)	Performance Test Requirements – Applicability	Yes	Applies to all effected sources. Additional requirements for performance testing are specified in §§63.3964, 63.3965, and 63.3966.
§63.7(a)(2)	Performance Test Requirements – Dates	Yes	Applies only to performance tests for capture system and control device efficiency at source using these to comply with the standards. Section 63.3960 specifies

Table 2 to Subpart MMMM of Part 63. – Applicability of General Provisions to Subpart MMMM			
Citation	Subject	Applicability to Subpart MMMM	Explanation
			the schedule for performance test requirements that are earlier than those specified in §63.7(a)(2)
§63.7(a)(3)-(3)	Performance Test Required by the Administrator, Force Majeure	Yes	
§63.7(b)-(d)	Performance Test Requirements – Notification, Quality Assurance, Facilities Necessary for Safe Testing, Conditions During Test	Yes	Applies only to performance tests for capture system and add-on control device efficiency at sources using these to comply with the standard.
§63.7(e)(1)	Conduct of Performance Tests	Yes, before January 5, 2021. No on and after January 5, 2021	See §63.3964
§63.7(e)(2)-(4)	Conduct of Performance Tests	Yes	
§63.7(f)	Performance Test Requirements – Use of Alternative Test Methods	Yes	Applies to all test methods except those used to determine capture system efficiency.
§63.7(g)-(h)	Performance Test Requirements – Data Analysis, Recordkeeping, Reporting, Waiver of Test	Yes	Applies only to performance tests for capture system and add-on control device efficiency at sources using these to comply with the standard.
§63.8(a)(1)-(3)	Monitoring Requirements – Applicability	Yes	Applies only to monitoring of capture system and add-on control device efficiency at sources using these to comply with the standard. Additional requirements for monitoring are specified in §63.3968.
§63.8(a)(4)	Additional Monitoring Requirements	No	Subpart MMMM does not have monitoring requirements for flares.
§63.8(b)	Conduct of Monitoring	Yes	
§63.8(c)(1)	Continuous Monitoring System (CMS) Operation and Maintenance	Yes, before January 5, 2021. No on and after January 5, 2021	Section 63.968 specifies the requirements for the operation of CMS for capture systems and add-on control devices at sources using these to comply.
§63.8(c)(2)-(3)	CMS Operation and Maintenance	Yes	Applies only to monitoring of capture system and add-on control device efficiency at sources using these to comply with the standard. Additional requirements for CMS operations and maintenance are specified in §63.3968.
§63.8(c)(4)	CMS	No	§63.3968 specifies the requirements for the operation of CMS for capture systems and add-on control devices at source using these to comply.
§63.8(c)(5)	COMS	No	Subpart MMMM does not have opacity or visible emission standards.
§63.8(c)(6)	CMS Requirements	No	Section 63.3968 specifies the requirements for monitoring systems for capture systems and add-on control devices at sources using these to comply.
§63.8(c)(7)	CMS Out-of-Control Periods	Yes	
§63.8(c)(8)	CMS Out-of-Control Periods and Reporting	No	§63.3920 requires reporting of CMS out-of-control periods.
§63.8(d)-(e)	Quality Control Program and CMS Performance Evaluation	No	Subpart MMMM does not require the use of continuous emissions monitoring systems.
§63.8(f)(1)-(5)	Use of an Alternative Monitoring Method	Yes	
§63.8(f)(6)	Alternative to Relative Accuracy Testing	No	Subpart MMMM does not require the use of continuous emissions monitoring systems.
§63.8(g)(1)-(5)	Data Reduction	No	Sections 63.3967 and 63.3968 specify monitoring data reduction.
§63.9(a)-(d)	Notification Requirements	Yes	

Table 2 to Subpart MMMM of Part 63. – Applicability of General Provisions to Subpart MMMM			
Citation	Subject	Applicability to Subpart MMMM	Explanation
§63.9(e)	Notification of Performance Test	Yes	Applies only to capture system and add-on control device performance tests at sources using these to comply with the standard.
§63.9(f)	Notification of Visible Emissions/Opacity Test	No	Subpart MMMM does not have opacity or visible emissions standards.
§63.9(g)(1)-(3)	Additional Notification When Using CMS	No	Subpart MMMM does not require the use of continuous emissions monitoring systems.
§63.9(h)	Notification of Compliance Status	Yes	Section 63.3910 specifies the dates for submitting the notification of compliance status.
§63.9(i)	Adjustment of Submittal Deadlines	Yes	
§63.9(j)	Change in Previous Information	Yes	
§63.8(k)	Electronic reporting procedures	Yes	Only as specified in §63.9(j).
§63.10(a)	Recordkeeping/Reporting – Applicability and General Information	Yes	
§63.10(b)(1)	General Recordkeeping Requirements	Yes	Additional requirements are specified in §§63.3930 and 63.3931.
§63.10(b)(2)(i)-(ii)	Recordkeeping of Occurrence and Duration of Startups and Shutdowns and of Failures to Meet Standards	Yes before January 5, 2021. No on and after January 5, 2021.	Requirements for startup, shutdown, and malfunction records only apply to add-on control devices used to comply with the standard.
§63.10(b)(2)(iii)	Recordkeeping Relevant to Maintenance of Air Pollution Control and Monitoring Equipment	Yes	§63.10(b)(2)(iii)
§63.10(b)(2)(iv)-(v)	Actions Taken to Minimize Emissions During SSM	Yes before January 5, 2021. No on and after January 5, 2021.	See §63.3930(j) for a record of actions taken to minimize duration of emissions deviation from the standard
§63.10(b)(2)(vi)	Recordkeeping for CMS Malfunctions	Yes before January 5, 2021. No on and after January 5, 2021.	See §63.3930(j) for records of periods of deviation from the standard, including instances where a CMS is inoperative or out-of-control
§63.10(b)(2)(xii)	Records	Yes	
§63.10(b)(2)(xiii)		No	Subpart MMMM does not require the use of continuous emissions monitoring systems.
§63.10(b)(2)(xiv)		Yes	
§63.10(b)(3)	Recordkeeping Requirements for Applicability Determinations	Yes	
§63.10(c)(1)-(6)	Additional Recordkeeping Requirements for Sources with CMS	Yes	
§63.10(c)(7)-(8)	Additional Recordkeeping Requirements for Sources with CMS	No	See §63.3930(j) for records of periods of deviation from the standard, including instances where a CMS is inoperative or out-of-control
§63.10(c)(10)-(14)	Additional Recordkeeping Requirements for Sources with CMS	Yes	
§63.10(c)(15)	Records Regarding the SSMP	Yes before January 5, 2021. No on and after January 5, 2021.	
§63.10(d)(1)	General Reporting Requirements	Yes	Additional requirements are specified in §63.3920.
§63.10(d)(2)	Report of Performance Test Results	Yes	Additional requirements are specified in §63.3920(b) and (d).
§63.10(d)(3)	Reporting Opacity or Visible Emissions Observations	No	Subpart MMMM does not require opacity or visible emissions observations.

Table 2 to Subpart M MMM of Part 63. – Applicability of General Provisions to Subpart M MMM			
Citation	Subject	Applicability to Subpart M MMM	Explanation
§63.10(d)(4)	Progress Reports for Source with Compliance Extensions	Yes	
§63.10(d)(5)	SSM Reports	Yes before January 5, 2021. No on and after January 5, 2021.	§63.3920(a)(7) and (c)
§63.10(e)(1)-(2)	Additional CMS Reports	No	Subpart M MMM does not require the use of continuous emissions monitoring systems.
§63.10(e)(3)	Excess Emissions/CMS Performance Reports	No	Section 63.3920(b) specifies the contents of periodic compliance reports.
§63.10(e)(4)	COMS Data Reports	No	Subpart M MMM does not specify requirements for opacity or COMS.
§63.10(f)	Recordkeeping/Reporting Waiver	Yes	
§63.11	Control Device Requirements/Flares	No	Subpart M MMM does not specify use of flares for compliance.
§63.12	State Authority and Delegations	Yes	
§63.13	Addresses	Yes	
§63.14	IBR	Yes	
§63.15	Availability of Information/Confidentiality	Yes	

ATTACHMENT 3

**Table 3 to Subpart MMMM of Part 63 – Default Organic HAP Fraction for
Solvent and Solvent Blends**

The permittee may use the mass fraction values in the following table for solvent blends when test data or manufacturer's formulation data is not available and when there is a match for either the solvent blend name or the chemical abstract series (CAS) number. If a solvent blend matches both the name and CAS number for an entry, that entry's organic HAP mass fraction must be used for that solvent blend. Otherwise, use the organic HAP mass fraction for the entry matching either the solvent blend name or CAS number, or use the organic HAP mass fraction from table 4 to 40 CFR 63, Subpart Mmmm if neither the name or CAS number match.

Solvent/solvent blend	CAS. No.	Average organic HAP mass fraction	Typical organic HAP, percent by mass
1. Toluene	108-88-3	1.0	Toluene
2. Xylene(s)	1330-20-7	1.0	Xylenes, ethylbenzene.
3. Hexane.	110-54-3	0.5	n-hexane
4. n-Hexane	110-54-3	1.0	n-hexane.
5. Ethylbenzene	100-41-4	1.0	Ethylbenzene
6. Aliphatic 140		0.0	None
7. Aromatic 100		0.02	1% xylene, 1% cumene
8. Aromatic 150		0.09	Naphthalene
9. Aromatic naphtha	64742-95-6	0.02	1% xylene, 1% cumene
10. Aromatic solvent	64742-94-5	0.1	Naphthalene
11. Exempt mineral spirits	8032-32-4	0.0	None
12. Ligroines (VM & P)	8032-32-4	0.0	None
13. Lactol spirits	64742-89-6	0.15	Toluene
14. Low aromatic white spirit	.64742-82-1	0.0	None
15. Mineral spirits	64742-88-7	0.01	Xylenes
16. Hydrotreated naphtha	64742-48-9	0.0	None
17. Hydrotreated light distillate	64742-47-8	0.001	Toluene
18. Stoddard solvent	8052-41-3	0.01	Xylenes
19. Super high-flash naphtha	64742-95-6	0.05	Xylenes
20. Varsol ® solvent	8052-49-3	0.01	0.5% xylenes, 0.5% ethylbenzene
21. VM & P naphtha.	64742-89-8	0.06	3% toluene, 3% Xylene
22. Petroleum distillate mixture	68477-31-6	0.08	4% naphthalene, 4% biphenyl

ATTACHMENT 4

**Table 4 to Subpart MMMM of Part 63 – Default Organic HAP Mass Fraction
for Petroleum Solvent Groups**

The permittee may use the mass fraction values in the following table for solvent blends when test data or manufacturer's formulation data is not available.

Solvent Type	Average Organic HAP Mass Fraction	Typical Organic HAP Percent by Mass
Aliphatic ^b	0.03	1% xylene, 1% toluene, and 1% ethylbenzene
Aromatic ^c	0.06	4% xylene, 1% toluene, and 1% ethylbenzene

a - Use this table only if the solvent blend does not match any of the solvent blends in Table 3 of Attachment 4 by either solvent blend name or CAS number and it is only known whether the blend is aliphatic or aromatic.

b - Mineral Spirits 135, Mineral Spirits 150 EC, Naphtha, Mixed Hydrocarbon, Aliphatic Hydrocarbon, Aliphatic Naphtha, Naphthol Spirits, Petroleum Spirits, Petroleum Oil, Petroleum Naphtha, Solvent Naphtha, Solvent Blend.

c - Medium-flash Naphtha, High-flash Naphtha, Aromatic Naphtha, Light Aromatic Naphtha, Light Aromatic Hydrocarbons, Aromatic Hydrocarbons, Light Aromatic Solvent.

ATTACHMENT 5

**Table 5 to Subpart Mmmm of Part 63 – List of HAP
That Must Be Counted Toward Total Organic HAP Content
If Present at 0.1 Percent or More by Mass**

Table 5 to Subpart MMMM of Part 63. – List of HAP That Must Be Counted Toward Total Organic HAP Content If Present at 0.1 Percent or More by Mass	
Chemical Name	CAS No.
1,1,2,2-Tetrachloroethane	79-34-5
1,1,2-Trichloroethane	79-00-5
1,1-Dimethylhydrazine	57-14-7
1,2-Dibromo-3-chloropropane	96-12-8
1,2-Diphenylhydrazine	122-66-7
1,3-Butadiene	106-99-0
1,3-Dichloropropene	542-75-6
1,4-Dioxane	123-91-1
2,4,6-Trichlorophenol	88-06-2
2,4/2,6-Dinitrotoluene (mixture)	25321-14-6
2,4-Dinitrotoluene	121-14-2
2,4-Toluene diamine	95-80-7
2-Nitropropane	79-46-9
3,3'-Dichlorobenzidine	91-94-1
3,3'-Dimethoxybenzidine	119-90-4
3,3'-Dimethylbenzidine	119-93-7
4,4'-Methylene bis(2-chloroaniline)	101-14-4
Acetaldehyde	75-07-0
Acrylamide	79-06-1
Acrylonitrile	107-13-1
Allyl chloride	107-05-1
alpha-Hexachlorocyclohexane (a-HCH)	319-84-6
Aniline	62-53-3
Benzene	71-43-2
Benzidine	92-87-5
Benzotrichloride	98-07-7
Benzyl chloride	100-44-7
beta-Hexachlorocyclohexane (b-HCH)	319-85-7
Bis(2-ethylhexyl)phthalate	117-81-7
Bis(chloromethyl)ether	542-88-1
Bromoform	75-25-2
Captan	133-06-2
Carbon tetrachloride	56-23-5
Chlordane	57-74-9
Chlorobenzilate	510-15-6
Chloroform	67-66-3
Chloroprene	126-99-8
Cresols (mixed)	1319-77-3
DDE	3547-04-4
Dichloroethyl ether	111-44-4
Dichlorvos	62-73-7
Epichlorohydrin	106-89-8
Ethyl acrylate	140-88-5
Ethylene dibromide	106-93-4

Table 5 to Subpart MMMM of Part 63. – List of HAP That Must Be Counted Toward Total Organic HAP Content If Present at 0.1 Percent or More by Mass	
Chemical Name	CAS No.
Ethylene dichloride	107-06-2
Ethylene oxide	75-21-8
Ethylene thiourea	96-45-7
Ethylidene dichloride (1,1-Dichloroethane)	75-34-3
Formaldehyde	50-00-0
Heptachlor	76-44-8
Hexachlorobenzene	118-74-1
Hexachlorobutadiene	87-68-3
Hexachloroethane	67-72-1
Hydrazine	302-01-2
Isophorone	78-59-1
Lindane (hexachlorocyclohexane, all isomers)	58-89-9
m-Cresol	108-39-4
Methylene chloride	75-09-2
Naphthalene	91-20-3
Nitrobenzene	98-95-3
Nitrosodimethylamine	62-75-9
o-Cresol	95-48-7
o-Toluidine	95-53-4
Parathion	56-38-2
p-Cresol	106-44-5
p-Dichlorobenzene	106-46-7
Pentachloronitrobenzene	82-68-8
Pentachlorophenol	87-86-5
Propoxur	114-26-1
Propylene dichloride	78-87-5
Propylene oxide	75-56-9
Quinoline	91-22-5
Tetrachloroethene	127-18-4
Toxaphene	8001-35-2
Trichloroethylene	79-01-6
Trifluralin	1582-09-8
Vinyl bromide	593-60-2
Vinyl chloride	75-01-4
Vinylidene chloride	75-35-4

ATTACHMENT 6

**Table 1 to Subpart III of Part 63 – Applicability of General Provisions to
Subpart III**

Table 1 to Subpart III of Part 63. – Applicability of General Provisions to Subpart III of Part 63			
Citation	Subject	Applicability to Subpart III	Comment
§63.1	General Applicability	Yes	Except that §63.1(c)(2) is not applicable to the extent area sources are not subject to subpart III
§63.2	Definitions	Yes	Definitions are modified and supplemented by §63.1292
§63.3	Units and Abbreviations	Yes	
§63.4	Prohibited Activities and Circumvention	Yes	
§63.5	Preconstruction Review and Notification Requirements	Yes	
§63.6(a)-(d)	Compliance With Standards and Maintenance Requirements – Applicability and Compliance Dates	Yes	
§63.6(e)(1)(i)	Operation and Maintenance Requirements – General Duty	No	See §63.1290(d)(4) for general duty requirement
§63.6(e)(1)(ii)	Operation and Maintenance Requirements - Malfunctions	No	
§63.6(e)(1)(iii)	Operation and Maintenance Requirements – Pursuant to Section 112	Yes	
§63.6(e)(2)-(3)	SSMP	No	
§63.6(f)(1)	SSM	No	
§63.6(f)(2)-(3)	Methods for Determining Compliance	Yes	
§63.6(g)	Use of an Alternative Standard	Yes	
§63.6(h)	Compliance with Opacity and Visible Emission Standards	No	Subpart III does not require opacity and visible emission standards
§63.6(i)-(j)	Extension Of Compliance with Emission Standards and Exemption from Compliance with Emission Standards	Yes	
§63.7	Performance Testing Requirements	No	Performance tests not required by Subpart III
§63.8	Monitoring Requirements	No	Continuous monitoring, as defined in subpart A, is not required by subpart III
§63.9(a)-(d)	Notification Requirements	Yes	
§63.9(e)-(g)	Notification Requirements – Performance Tests, Opacity and Visible Emission Observations, CMS	No	
§63.9(h)	Notification of Compliance Status	No	Subpart III specified Notification of Compliance Status requirements
§63.9(i)-(j)	Adjustments to Deadlines for Required Communications and Change in Information Already Provided	Yes	
§63.9(k)	Electronic Submission of Notification or Reports	Yes	Only as specified in §63.9(j)
§63.10(a)	Recordkeeping/Reporting – Applicability and General Information	Yes	
§63.10(b)(1)	General Recordkeeping Requirements	Yes	
§63.10(b)(2)(i)	Recordkeeping of Occurrence and Duration of Startups and Shutdowns and of Failures to Meet Standards	No	
§63.10(b)(2)(ii)	Recordkeeping of Occurrence and Duration of Startups and Shutdowns and of Failures to Meet Standards	No	See §63.1307(h) for recordkeeping of (1) date, time and duration; (2) listing of affected source or equipment and an estimate of the volume of each regulated pollutant emitted over the standard; and (3) actions to minimize emissions and any actions taken at

Table 1 to Subpart III of Part 63. – Applicability of General Provisions to Subpart III of Part 63			
Citation	Subject	Applicability to Subpart III	Comment
			the discretion of the owner or operator to prevent recurrence of the failure to meet an applicable requirement
§63.10(c)	Additional Recordkeeping Requirements for Sources with Continuous Monitoring Systems	No	
§63.10(d)(1)	General Reporting Requirements	Yes	
§63.10(d)(2)-(3)	Reporting Results Of Performance Tests and Opacity or Visible Emissions Observations	No	
§63.10(d)(4)	Progress Reports for Source with Compliance Extensions	Yes	
§63.10(d)(5)	SSM Reports	No	
§63.10(e)	Additional Reporting Requirements for CMS	No	
§63.10(f)	Recordkeeping/Reporting Waiver	Yes	
§63.11	Control Device Requirements/Flares	Yes	
§63.12	State Authority and Delegations	Yes	
§63.13	Addresses	Yes	
§63.14	IBR	Yes	
§63.15	Availability Of Information/Confidentiality	Yes	

ATTACHMENT 7

**Table 10 to Subpart DDDDD of Part 63 – Applicability of General Provisions
to Subpart DDDDD**

Table 10 to Subpart DDDDD of Part 63. – Applicability of General Provisions to Subpart DDDDD			
General Provisions Citation 40 CFR	Subject of Citation	Applies to Subpart	Explanation
§63.1	Applicability	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.2	Definitions	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Additional terms defined in §63.7575
§63.3	Units and Abbreviations	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.4	Prohibited Activities and Circumvention	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.5	Preconstruction Review and Notification Requirements	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.6(a), (b)(1)-(b)(5), (b)(7), (c)	Compliance with Standards and Maintenance Requirements	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.6(e)(1)(i)	General Duty to Minimize Emissions	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	See §63.7500(a)(3) for the general duty requirement.
§63.6(e)(1)(ii)	Requirement to correct malfunctions as soon as practicable	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
§63.6(e)(3)	Startup, shutdown, and malfunction plan requirements	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
§63.6(f)(1)	Startup, shutdown, and malfunction exemptions for compliance with non-opacity emission standards	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
§63.6(f)(2) and (3)	Compliance with non-opacity emissions standards	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.6(g)	Use of alternative standards	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes, except §63.7555(d)(13) specifies the procedure for application and approval of an alternative timeframe with the PM controls requirement in the startup work practice (2).
§63.6(h)(1)	Startup, shutdown, and malfunction exemptions to opacity standards.	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	See §63.7500(a).
§63.6(h)(2) to (h)(9)	Determining compliance with opacity emission standards	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Subpart DDDDD specifies opacity as an operating limit not an emission standard.
§63.6(i)	Extension of compliance	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Note: Facilities may also request extensions of compliance for the installation of combined heat and power, waste heat recovery, or gas pipeline or fuel feeding infrastructure as a means of complying with this subpart.
§63.6(j)	Presidential exemption	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.7(a), (b), (c), and (d)	Performance testing requirements	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.7(e)(1)	Conditions for conducting performance tests	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Subpart DDDDD specifies conditions for conduction performance tests at §63.7520(a) to (c).
§63.7(e)(2)-(e)(9), (f), (g), and (h)	Performance testing requirements	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.8(a) and (b)	Applicability and conduct of monitoring	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.8(c)(1)	Operation and maintenance of CMS	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.8(c)(1)(i)	General duty to minimize emissions and CMS operation	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	See §63.7500(a)(3).
§63.8(c)(1)(ii)	Operation and maintenance of CMS	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Table 10 to Subpart DDDDD of Part 63. – Applicability of General Provisions to Subpart DDDDD			
General Provisions Citation 40 CFR	Subject of Citation	Applies to Subpart	Explanation
§63.8(c)(1)(iii)	Startup, shutdown, and malfunction plans for CMS	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
§63.8(c)(2) to (c)(9)	Operation and maintenance of CMS	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.8(d)(1) and (2)	Monitoring requirements, quality control program	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.8(d)(3)	Written procedures for CMS	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes, except for the last sentence, which refers to a startup, shutdown, and malfunction plan. Startup, shutdown, and malfunction plans are not required.
§63.8(e)	Performance evaluation of CMS	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.8(f)	Use of an alternative monitoring method	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.8(g)	Reduction of monitoring data	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.9	Notification Requirements	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.10(a), (b)(1)	Recordkeeping and reporting requirements	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.10(b)(2)(i)	Recordkeeping of occurrence and duration of startups or shutdowns	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.10(b)(2)(ii)	Recordkeeping of malfunctions	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	See §63.7555(d)(7) for recordkeeping of occurrence and duration and §63.7555(d)(8) for actions taken during malfunctions.
§63.10(b)(2)(iii)	Maintenance records	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.10(b)(2)(iv) and (v)	Actions taken to minimize emissions during startup, shutdown, or malfunction	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
§63.10(b)(2)(vi)	Recordkeeping for CMS malfunctions	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.10(b)(2)(vii) to (xiv)	Other CMS requirements	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.10(b)(3)	Recordkeeping requirements for applicability determinations	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
§63.10(c)(1) to (9)	Recordkeeping for sources with CMS	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.10(c)(10) and (11)	Recording nature and cause of malfunctions, and corrective actions	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	See §63.7555(d)(7) for recordkeeping of occurrence and duration and §63.7555(d)(8) for actions taken during malfunctions.
§63.10(c)(12) and (13)	Recordkeeping for sources with CMS	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.10(c)(15)	Use of startup, shutdown, and malfunction plant	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Table 10 to Subpart DDDDD of Part 63. – Applicability of General Provisions to Subpart DDDDD			
General Provisions Citation 40 CFR	Subject of Citation	Applies to Subpart	Explanation
§63.10(d)(1) and (2)	General reporting requirements	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.10(d)(3)	Reporting opacity or visible emission observation results	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
§63.10(d)(4)	Progress reports under an extension of compliance	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.10(d)(5)	Startup, shutdown, and malfunction reports	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	See §63.7550(c)(11) for malfunction reporting requirements.
§63.10(e)	Additional reporting requirements for sources with CMS	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.10(f)	Waiver of recordkeeping or reporting requirements	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.11	Control Device Requirements	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
§63.12	State Authority and delegation	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.13-63.16	Addresses, incorporation by reference, availability of information, performance track provisions	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
§63.1(a)(5), (a)(7)-(a)(9), (b)(2), (c)(3)-(4), (d), §63.6(b)(6), (c)(3), (c)(4), (d), (e)(2), (e)(3)(ii), (h)(3), (h)(5)(iv), §63.8(a)(3), §63.9(b)(3), (h)(4), §63.10(c)(2)-(4), (c)(9)	Reserved	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

ATTACHMENT 8

Agreement Letters



SumiRiko Tennessee, Inc.

150 Hester Lane
Telephone: (423) 626-8805

Tazewell, Tennessee 37879

December 2, 2025

Ms. Michelle Walker Owenby, Director
Tennessee Department of Environment
and Conservation
Division of Air Pollution Control (TDAPC)
Davy Crockett Tower
500 James Robertson Parkway
Nashville, Tennessee 37243

via email: Air.Pollution.Control@tn.gov

RE: Title V Operating Permit Renewal –
Notification of Agreements and Minor Modification Request
SumiRiko Tennessee, Inc.
Tazewell, Tennessee (Source 13-0083)

To Whom It May Concern:

By means of this correspondence, SumiRiko Tennessee, Inc., located in Tazewell, Tennessee is hereby submitting additional information related to the Title V Operating Permit Number 573498 renewal application originally submitted on May 20, 2024, per permit review discussions with TDAPC.

Specifically SumiRiko is providing the following emission limitation agreements:

- SumiRiko agrees to limit combined VOC emissions from all miscellaneous metal parts and products coating lines (including those that are part of Sources 02, 10, and 36) to less than 99.9 tons during any period of 12 consecutive months.
- SumiRiko agrees to limit facility-wide VOC emissions to less than 249.0 tons during any period of 12 consecutive months.
- SumiRiko agrees to accept a particulate matter (PM) limit that is lower than allowable under applicable standards. Specifically, SumiRiko agrees to the follow PM emission rates for Boilers #1, and #2.

Boiler ID	PM (lb/hr)
Boiler #1	0.1
Boiler #2	0.1

- SumiRiko agrees to accept a sulfur dioxide (SO₂) limit that is lower than allowable under applicable standards. Specifically, SumiRiko agrees to the follow PM emission rates for Boilers #1 and #2.

Boiler ID	SO ₂ (lb/hr)
Boiler #1	0.1
Boiler #2	0.1

MANUFACTURERS OF ANTI-VIBRATION RUBBER AND AUTOMOTIVE HOSE

Ms. Michelle Owenby
 December 2, 2025
 Page 2

Additionally, SumiRiko is submitting information to update the BTU input rating for Boilers #1 and #2 with the following request for a minor modification.

Data provided by the equipment supplier used for initial permitting of Boiler #1 in 2024 indicated a heat input rating of 8.08 MMBtu/hr. However, the equipment supplier installed an 8.165 MMBtu/hr boiler unit, similar to the Boiler #3 replacement unit provided by the same vendor.

Additionally, after a recent tune-up, the heat input capacity of Boiler #2 was updated to reflect a rate of 8,164,600 BTU/hr, which is less than the previously permitted emission rate of 8,400,000 BTU/hr.

Accordingly, SumiRiko Tennessee, Inc. facility in Tazewell, Tennessee plans to make the following changes pursuant to TAPCR 1200-03-09-.02(11)(f)5.(ii), minor modifications.

1. Brief Description of the Change: Updating the heat input capacity of two (2) natural gas-fired boilers to the as-installed values. A table summarizing the heat input capacity of each boiler is included below for reference:

Boiler Number	Heat Input Capacity
#1	8.165
#2	8.1646
#3	8.165

2. The emissions resulting from the change will be as follows: The boilers will be fired on natural gas only; maximum anticipated emissions from the units are based on US EPA AP-42 emission factors. Updated boiler data and resultant maximum pollutant emission rates are reflected in updated renewal application forms included with Attachment 1.

3. Any new applicable requirements that will apply if the change occurs: No new permit conditions for the boilers will be necessary; the proposed modifications are to revise the existing allowable emissions for Boilers #1 and #2 to match their installed rated heat input capacity. Proposed permit conditions are included in Attachment 2.

The proposed changes at the facility meet the criteria for the use of minor modifications procedures; therefore, it is requested that such procedures be used. The modification does not violate any applicable requirements. The change is not a modification under Title 1 of the federal act.

To the best of my knowledge, and based on the information and belief formed after reasonable inquiry, the statements and information contained in this application are true, accurate, and complete.

If you have any questions concerning this submission, please contact Dorothy Anglin at (423) 626-2065 ext. 3512.

Sincerely,

Greg Morrow
 Vice President



SumiRiko Tennessee, Inc.

150 Hester Lane
Telephone: (423) 626-8805

Tazewell, Tennessee 37879

December 19, 2025

Ms. Michelle Walker Owenby, Director
Tennessee Department of Environment
and Conservation
Division of Air Pollution Control (TDAPC)
Davy Crockett Tower
500 James Robertson Parkway
Nashville, Tennessee 37243

via email: Air.Pollution.Control@tn.gov

RE: Title V Operating Permit Renewal – Boiler #3 Agreement Letter
SumiRiko Tennessee, Inc.
Tazewell, Tennessee (Source 13-0083)

To Whom It May Concern:

By means of this correspondence, SumiRiko Tennessee, Inc., located in Tazewell, Tennessee is hereby submitting additional information related to the Title V Operating Permit Number 573498 renewal application originally submitted on May 20, 2024, per permit review discussions with TDAPC.

Specifically, SumiRiko is providing the following emission limitation agreements:

- SumiRiko agrees to accept a particulate matter (PM) limit that is lower than allowable under applicable standards. Specifically, SumiRiko agrees to a PM emission rate of 0.1 pounds/hour for Boiler #3.
- SumiRiko agrees to accept a sulfur dioxide (SO₂) limit that is lower than allowable under applicable standards. Specifically, SumiRiko agrees to a SO₂ emission rate of 0.1 pounds/hour for Boiler #3.

To the best of my knowledge, and based on the information and belief formed after reasonable inquiry, the statements and information contained in this application are true, accurate, and complete.

If you have any questions concerning this submission, please contact Dorothy Anglin at (423) 626-2065 ext. 3512.

Sincerely,

Greg Morrow
Vice President

MANUFACTURERS OF ANTI-VIBRATION RUBBER AND AUTOMOTIVE HOSE

ATTACHMENT 9

Title V Fee Selection Form APC 36 (CN-1583)



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.)

County name

City

Zip code

4. Emission source reference number

5. Title V permit number

FEE SELECTION

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

6. Payment Schedule (choose one):

Calendar Year Basis (January 1 – December 31)

Fiscal Year Basis (July 1 – June 30)

7. Payment Basis (choose one):

Actual Emissions Basis Allowable Emissions Basis Combination of Actual and Allowable Emissions Basis

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

Source ID	Pollutant	Allowable or Actual Emissions	If allowable emissions: Specify condition number and limit.
			If actual emissions: Describe calculation method and provide example. Provide condition number that specifies method, if applicable.

