



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: February 26, 2019

Effective Date: March 1, 2019

Expiration Date: February 29, 2024

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable applicable requirements unless otherwise designated as "State-Only" or "non-applicable" requirements.

TITLE V Permit No: 01-05041

Federal Tax Id - Plant Code: 47-2615311-1

Owner Information

Name: MCCLARIN PLASTICS, LLC
Mailing Address: 15 INDUSTRIAL DR
HANOVER, PA 17331

Plant Information

Plant: MCCLARIN PLASTICS LLC/BLETTNER AVE
Location: 01 Adams County 01910 Conewago Township
SIC Code: 3089 Manufacturing - Plastics Products, Nec

Responsible Official

Name: MICHAEL J CLIFFORD
Title: SR VP - BUS DEV/CAO EXEC
Phone: (717) 630 - 3081

Permit Contact Person

Name: MICHAEL J CLIFFORD
Title: SR VP - BUS DEV/CAO EXEC
Phone: (717) 630 - 3081

[Signature] _____
WILLIAM R. WEAVER, SOUTH CENTRAL REGION AIR PROGRAM MANAGER



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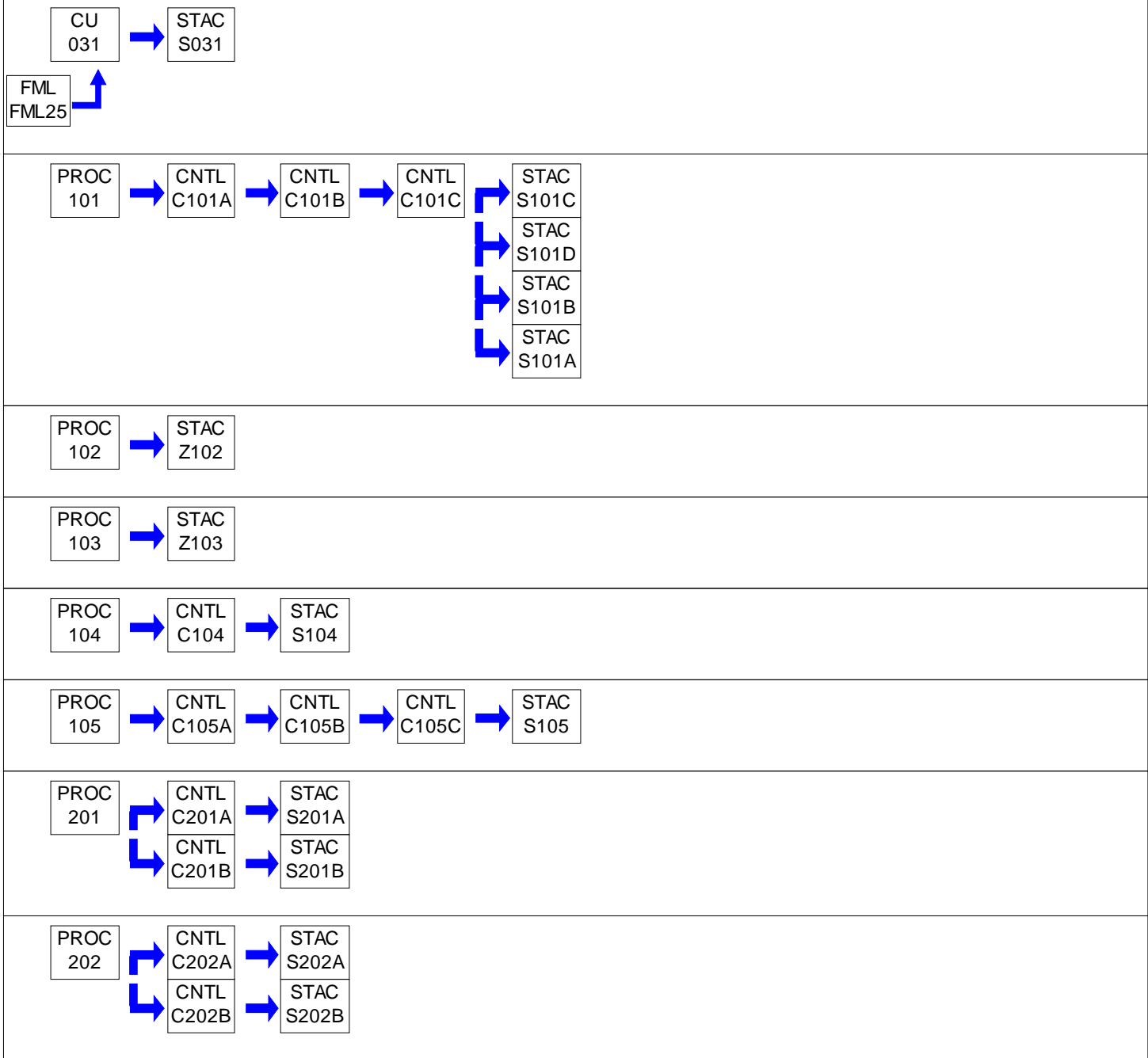
Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	BOILER	6.100 MMBTU/HR	
		6.100 MCF/HR	Natural Gas
101	FIBERGLASS LAY-UP OPERATION	10.000 Lbs/HR	VOC (STYRENE)
102	CLEANUP SOLVENT	10.000 Lbs/HR	VOC
103	RESIN TRANSFER MOLDING AREA	5.000 Lbs/HR	VOC
104	GEL COAT SPRAY BOOTH	5.000 Lbs/HR	VOC
105	VACUUM INFUSION PROCESS	10.000 Lbs/HR	VOC
201	SPRAY PAINT BOOTH NO. 1	25.000 Lbs/HR	VOC
202	SPRAY PAINT BOOTH NO. 2	25.000 Lbs/HR	VOC
203	SPRAY PAINT BOOTH NO. 3	25.000 Lbs/HR	VOC
301	TELENE REACTION INJECTION MOLDING PROCESS	1.000 Lbs/HR	VOC
401	ADHESIVE & SEALANT USAGE	5.000 Lbs/HR	VOC
C101A	GROUND LEVEL FILTERS		
C101B	DUCT PRE-FILTERS		
C101C	ACTIVATED CARBON FILTERS		
C104	SPRAY BOOTH PANEL FILTERS		
C105A	GROUND LEVEL FILTERS		
C105B	DUCT PRE-FILTERS		
C105C	ACTIVATED CARBON FILTER		
C201A	SOURCE 201 DRY PANEL FILTERS		
C201B	SOURCE 201 DRY PANEL FILTERS		
C202A	SOURCE 202 DRY PANEL FILTERS		
C202B	SOURCE 202 DRY PANEL FILTERS		
C203	SOURCE 203 DRY PANEL FILTERS		
FML25	NATURAL GAS PIPELINE		
S031	BOILER STACK		
S101A	SOURCE 101 STACK		
S101B	SOURCE 101 STACK		
S101C	SOURCE 101 STACK		
S101D	SOURCE 101 STACK		
S104	SOURCE 104 STACK		
S105	SOURCE 105 STACK		
S201A	SOURCE 201 STACK		
S201B	SOURCE 201 STACK		
S202A	SOURCE 202 STACK		
S202B	SOURCE 202 STACK		
S203	SOURCE 203 STACK		
Z102	SOURCE 102 FUGITIVE		
Z103	SOURCE 103 FUGITIVE		
Z301	SOURCE 301 FUGITIVE		



SECTION A. Site Inventory List

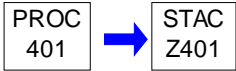
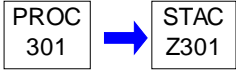
Source ID	Source Name	Capacity/Throughput	Fuel/Material
Z401	SOURCE 401 FUGITIVE EMISSIONS		

PERMIT MAPS





PERMIT MAPS



**SECTION B. General Title V Requirements****#001 [25 Pa. Code § 121.1]****Definitions**

Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 121.7]**Prohibition of Air Pollution**

No person may permit air pollution as that term is defined in the act.

#003 [25 Pa. Code § 127.512(c)(4)]**Property Rights**

This permit does not convey property rights of any sort, or any exclusive privileges.

#004 [25 Pa. Code § 127.446(a) and (c)]**Permit Expiration**

This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

#005 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e) & 127.503]**Permit Renewal**

(a) An application for the renewal of the Title V permit shall be submitted to the Department at least six (6) months, and not more than 18 months, before the expiration date of this permit. The renewal application is timely if a complete application is submitted to the Department's Regional Air Manager within the timeframe specified in this permit condition.

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term.

(c) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).

(d) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information during the permit renewal process. The permittee shall also promptly provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

#006 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]**Transfer of Ownership or Operational Control**

(a) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership or operational control of the source shall be treated as an administrative amendment if:

- (1) The Department determines that no other change in the permit is necessary;
- (2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee; and,
- (3) A compliance review form has been submitted to the Department and the permit transfer has been approved by the Department.

**SECTION B. General Title V Requirements**

(b) In accordance with 25 Pa. Code § 127.464(a), this permit may not be transferred to another person except in cases of transfer-of-ownership which are documented and approved to the satisfaction of the Department.

#007 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]**Inspection and Entry**

(a) Upon presentation of credentials and other documents as may be required by law for inspection and entry purposes, the permittee shall allow the Department of Environmental Protection or authorized representatives of the Department to perform the following:

- (1) Enter at reasonable times upon the permittee's premises where a Title V source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;
- (2) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of this permit;
- (3) Inspect at reasonable times, facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;
- (4) Sample or monitor, at reasonable times, substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

#008 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]**Compliance Requirements**

(a) The permittee shall comply with the conditions of this permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one (1) or more of the following:

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source, which is subject to 25 Pa. Code Article III, unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued to the source are operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this Title V permit.

#009 [25 Pa. Code § 127.512(c)(2)]**Need to Halt or Reduce Activity Not a Defense**

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 this permit.

#010 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]**Duty to Provide Information**

(a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or

**SECTION B. General Title V Requirements**

to determine compliance with the permit.

(b) Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of EPA along with a claim of confidentiality.

#011 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]**Reopening and Revising the Title V Permit for Cause**

(a) This Title V 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 a permit condition.

(b) This permit may be reopened, revised and reissued prior to expiration of the permit under one or more of the following circumstances:

(1) Additional applicable requirements under the Clean Air Act or the Air Pollution Control Act become applicable to a Title V facility with a remaining permit term of three (3) or more years prior to the expiration date of this permit. The Department will revise the permit as expeditiously as practicable but not later than 18 months after promulgation of the applicable standards or regulations. No such revision is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or its terms and conditions has been extended.

(2) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator of EPA, excess emissions offset plans for an affected source shall be incorporated into the permit.

(3) The Department or the EPA determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.

(4) The Department or the Administrator of EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

(c) Proceedings to revise this permit shall follow the same procedures which apply to initial permit issuance and shall affect only those parts of this permit for which cause to revise exists. The revision shall be made as expeditiously as practicable.

(d) Regardless of whether a revision is made in accordance with (b)(1) above, the permittee shall meet the applicable standards or regulations promulgated under the Clean Air Act within the time frame required by standards or regulations.

#012 [25 Pa. Code § 127.543]**Reopening a Title V Permit for Cause by EPA**

As required by the Clean Air Act and regulations adopted thereunder, this permit may be modified, reopened and reissued, revoked or terminated for cause by EPA in accordance with procedures specified in 25 Pa. Code § 127.543.

#013 [25 Pa. Code § 127.522(a)]**Operating Permit Application Review by the EPA**

The applicant may be required by the Department to provide a copy of the permit application, including the compliance plan, directly to the Administrator of the EPA. Copies of title V permit applications to EPA, pursuant to 25 PA Code §127.522(a), shall be submitted, if required, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#014 [25 Pa. Code § 127.541]**Significant Operating Permit Modifications**

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with

**SECTION B. General Title V Requirements**

25 Pa. Code § 127.541. Notifications to EPA, pursuant to 25 PA Code §127.522(a), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#015 [25 Pa. Code §§ 121.1 & 127.462]**Minor Operating Permit Modifications**

The permittee may make minor operating permit modifications (as defined in 25 Pa. Code §121.1), on an expedited basis, in accordance with 25 Pa. Code §127.462 (relating to minor operating permit modifications). Notifications to EPA, pursuant to 25 PA Code §127.462(c), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#016 [25 Pa. Code § 127.450]**Administrative Operating Permit Amendments**

(a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code §127.450(a). Copies of request for administrative permit amendment to EPA, pursuant to 25 PA Code §127.450(c)(1), if required, shall be submitted to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

(b) Upon final action by the Department granting a request for an administrative operating permit amendment covered under §127.450(a)(5), the permit shield provisions in 25 Pa. Code § 127.516 (relating to permit shield) shall apply to administrative permit amendments incorporated in this Title V Permit in accordance with §127.450(c), unless precluded by the Clean Air Act or the regulations thereunder.

#017 [25 Pa. Code § 127.512(b)]**Severability Clause**

The provisions of this permit are severable, and if any provision of this permit is determined by the Environmental Hearing Board or a court of competent jurisdiction, or US EPA to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

#018 [25 Pa. Code §§ 127.704, 127.705 & 127.707]**Fee Payment**

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees).

(b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.

(c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.

(d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).

**SECTION B. General Title V Requirements**

(e) The permittee shall pay an annual operating permit administration fee according to the fee schedule established in 25 Pa. Code § 127.704(c) if the facility, identified in Subparagraph (iv) of the definition of the term "Title V facility" in 25 Pa. Code § 121.1, is subject to Title V after the EPA Administrator completes a rulemaking requiring regulation of those sources under Title V of the Clean Air Act.

(f) This permit condition does not apply to a Title V facility which qualifies for exemption from emission fees under 35 P.S. § 4006.3(f).

#019 [25 Pa. Code §§ 127.14(b) & 127.449]**Authorization for De Minimis Emission Increases**

(a) This permit authorizes de minimis emission increases from a new or existing source in accordance with 25 Pa. Code §§ 127.14 and 127.449 without the need for a plan approval or prior issuance of a permit modification. The permittee shall provide the Department with seven (7) days prior written notice before commencing any de minimis emissions increase that would result from either: (1) a physical change of minor significance under § 127.14(c)(1); or (2) the construction, installation, modification or reactivation of an air contamination source. The written notice shall:

- (1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.
- (2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

The Department may disapprove or condition de minimis emission increases at any time.

(b) Except as provided below in (c) and (d) of this permit condition, the permittee is authorized during the term of this permit to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:

- (1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.
- (2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.
- (3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.
- (4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.
- (5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

(c) In accordance with § 127.14, the permittee may install the following minor sources without the need for a plan approval:

- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
- (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
- (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.
- (4) Space heaters which heat by direct heat transfer.

**SECTION B. General Title V Requirements**

(5) Laboratory equipment used exclusively for chemical or physical analysis.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

(d) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:

(1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (b)(4) and (5) of this permit condition.

(2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.

(3) Violate any applicable requirement of the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(4) Changes which are modifications under any provision of Title I of the Clean Air Act and emission increases which would exceed the allowable emissions level (expressed as a rate of emissions or in terms of total emissions) under the Title V permit.

(e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) shall extend to the changes made under 25 Pa. Code § 127.449 (relating to de minimis emission increases).

(f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.

(g) Except for de minimis emission increases allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

(h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

#020 [25 Pa. Code §§ 127.11a & 127.215]**Reactivation of Sources**

(a) The permittee may reactivate a source at the facility that has been out of operation or production for at least one year, but less than or equal to five (5) years, if the source is reactivated in accordance with the requirements of 25 Pa. Code §§ 127.11a and 127.215. The reactivated source will not be considered a new source.

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

#021 [25 Pa. Code §§ 121.9 & 127.216]**Circumvention**

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this permit, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department,

**SECTION B. General Title V Requirements**

the device or technique may be used for control of malodors.

#022 [25 Pa. Code §§ 127.402(d) & 127.513(1)]**Submissions**

(a) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:

Regional Air Program Manager
PA Department of Environmental Protection
(At the address given on the permit transmittal letter,
or otherwise notified)

(b) Any report or notification for the EPA Administrator or EPA Region III should be addressed to:

Office of Air Enforcement and Compliance Assistance (3AP20)
United States Environmental Protection Agency
Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

(c) An application, form, report or compliance certification submitted pursuant to this permit condition shall contain certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code § 127.402(d). Unless otherwise required by the Clean Air Act or regulations adopted thereunder, this certification and any other certification required pursuant to this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

#023 [25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]**Sampling, Testing and Monitoring Procedures**

(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) The sampling, testing and monitoring required under the applicable requirements of this permit, shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139 unless alternative methodology is required by the Clean Air Act (including §§ 114(a)(3) and 504(b)) and regulations adopted thereunder.

#024 [25 Pa. Code §§ 127.511 & Chapter 135]**Recordkeeping Requirements**

(a) The permittee shall maintain and make available, upon request by the Department, records of required monitoring information that include the following:

- (1) The date, place (as defined in the permit) and time of sampling or measurements.
- (2) The dates the analyses were performed.
- (3) The company or entity that performed the analyses.
- (4) The analytical techniques or methods used.
- (5) The results of the analyses.
- (6) The operating conditions as existing at the time of sampling or measurement.

(b) The permittee shall retain records of the required monitoring data and supporting information for at least five (5) years from the date of the monitoring sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.

**SECTION B. General Title V Requirements**

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

#025 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]**Reporting Requirements**

(a) The permittee shall comply with the reporting requirements for the applicable requirements specified in this Title V permit. In addition to the reporting requirements specified herein, the permittee shall comply with any additional applicable reporting requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) Pursuant to 25 Pa. Code § 127.511(c), the permittee shall submit reports of required monitoring at least every six (6) months unless otherwise specified in this permit. Instances of deviations (as defined in 25 Pa. Code § 121.1) from permit requirements shall be clearly identified in the reports. The reporting of deviations shall include the probable cause of the deviations and corrective actions or preventative measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source. The required reports shall be certified by a responsible official.

(c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #022(c) of this permit.

(d) Any records, reports or information obtained by the Department or referred to in a public hearing shall be made available to the public by the Department except for such records, reports or information for which the permittee has shown cause that the documents should be considered confidential and protected from disclosure to the public under Section 4013.2 of the Air Pollution Control Act and consistent with Sections 112(d) and 114(c) of the Clean Air Act and 25 Pa. Code § 127.411(d). The permittee may not request a claim of confidentiality for any emissions data generated for the Title V facility.

#026 [25 Pa. Code § 127.513]**Compliance Certification**

(a) One year after the date of issuance of the Title V permit, and each year thereafter, unless specified elsewhere in the permit, the permittee shall submit to the Department and EPA Region III a certificate of compliance with the terms and conditions in this permit, for the previous year, including the emission limitations, standards or work practices. This certification shall include:

- (1) The identification of each term or condition of the permit that is the basis of the certification.
- (2) The compliance status.
- (3) The methods used for determining the compliance status of the source, currently and over the reporting period.
- (4) Whether compliance was continuous or intermittent.

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department and EPA in accordance with the submission requirements specified in condition #022 of this section.

#027 [25 Pa. Code § 127.3]**Operational Flexibility**

The permittee is authorized to make changes within the Title V facility in accordance with the following provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements of Section 502(b)(10) of the Clean Air Act and Section 6.1(i) of the Air Pollution Control Act:

- (1) Section 127.14 (relating to exemptions)

**SECTION B. General Title V Requirements**

- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)
- (6) Section 127.462 (relating to minor operating permit amendments)
- (7) Subchapter H (relating to general plan approvals and operating permits)

#028 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]**Risk Management**

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the Title V facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:

(1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:

- (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
- (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

(d) If the Title V facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:

(1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,

(2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

(e) If the Title V facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.

(f) When the Title V facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:

- (1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

**SECTION B. General Title V Requirements**

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Condition #26 of Section B of this Title V permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

#029 [25 Pa. Code § 127.512(e)]**Approved Economic Incentives and Emission Trading Programs**

No permit revision shall be required under approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this Title V permit.

#030 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]**Permit Shield**

(a) The permittee's compliance with the conditions of this permit shall be deemed in compliance with applicable requirements (as defined in 25 Pa. Code § 121.1) as of the date of permit issuance if either of the following applies:

(1) The applicable requirements are included and are specifically identified in this permit.

(2) The Department specifically identifies in the permit other requirements that are not applicable to the permitted facility or source.

(b) Nothing in 25 Pa. Code § 127.516 or the Title V permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act, including the authority of the Administrator of the EPA provided thereunder.

(2) The liability of the permittee for a violation of an applicable requirement prior to the time of permit issuance.

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act.

(4) The ability of the EPA to obtain information from the permittee under Section 114 of the Clean Air Act.

(c) Unless precluded by the Clean Air Act or regulations thereunder, final action by the Department incorporating a significant permit modification in this Title V Permit shall be covered by the permit shield at the time that the permit containing the significant modification is issued.

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall not allow the emission into the outdoor atmosphere of a fugitive air contaminant from a source other than the following:

- (a) Construction or demolition of buildings or structures.
- (b) Grading, paving and maintenance of roads and streets.
- (c) Use of roads and streets. Emissions from material in or on trucks, railroad cars, and other vehicular equipment are not considered as emissions from use of roads and streets.
- (d) Clearing of land.
- (e) Stockpiling of materials.
- (f) Open burning of clearing and grubbing wastes (trees, shrubs and other native vegetation which are cleared from land during or prior to the process of construction; does not include demolition wastes and dirt-laden roots).
- (g) Sources and classes of sources other than those identified in (a)-(f), above, for which the permittee has obtained a determination from the Department, in accordance with 25 Pa. Code §123.1(b), that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (1) The emissions are of minor significance with respect to causing air pollution; and
 - (2) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

002 [25 Pa. Code §123.2]**Fugitive particulate matter**

The permittee shall not allow the emission of fugitive particulate matter into the outdoor atmosphere from a source specified in Section C, Condition #001(a)-(g), if the emissions are visible at the point the emissions pass outside the permittee's property.

003 [25 Pa. Code §123.31]**Limitations**

The permittee shall not allow the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the permittee's property.

004 [25 Pa. Code §123.41]**Limitations**

The permittee shall not allow the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

- (a) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any one hour.
- (b) Equal to or greater than 60% at any time.

005 [25 Pa. Code §123.42]**Exceptions**

The emission limitations of Section C, Condition #004, shall not apply when:

- (a) The presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (b) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (c) The emission results from sources specified in Section C, Condition #001(a)-(f).

SECTION C. Site Level Requirements**# 006 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The permittee shall limit the facility's annual emissions to less than the following thresholds during any consecutive 12-month period:

- (a) 100 tons per year (TPY) of NO_x.
- (b) 50 TPY of volatile organic compounds (VOC).

007 [25 Pa. Code §129.14]**Open burning operations**

(a) The permittee shall not allow the open burning of material on the permittee's property in a manner such that:

- (1) The emissions are visible, at any time, at the point such emissions pass outside the permittee's property.
- (2) Malodorous air contaminants from the open burning are detectable outside the permittee's property.
- (3) The emissions interfere with the reasonable enjoyment of life or property.
- (4) The emissions cause damage to vegetation or property.
- (5) The emissions are or may be deleterious to human or animal health.

(b) The requirements of (a), above, do not apply when the open burning operations result from:

- (1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
- (2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (3) A fire set for the prevention and control of disease or pests, when approved by the Department.
- (4) A fire set solely for recreational or ceremonial purposes.
- (5) A fire set solely for cooking food.

(c) This permit condition does not constitute authorization to burn solid waste pursuant to Section 610(3) of the Solid Waste Management Act (SWMA), contained at 35 P.S. Section 6018.610(3), or any other provision of the SWMA.

II. TESTING REQUIREMENTS.**# 008 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The Department reserves the right to require exhaust stack testing of the sources referenced in this operating permit to measure emissions for purposes including verification of operating permit condition compliance and estimation of annual air emissions.

009 [25 Pa. Code §139.1]**Sampling facilities.**

Upon the request of the Department, the permittee shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on any source. In the request, the Department will set forth the time period in which the facilities shall be provided as well as the specifications for such facilities.

010 [25 Pa. Code §139.11]**General requirements.**

(a) As specified in 25 Pa. Code §139.11(1), performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be

**SECTION C. Site Level Requirements**

requested by the Department.

(b) As specified in 25 Pa. Code §139.11(2), the Department will consider test results for approval where sufficient information is provided to verify the source conditions existing at the time of the test and where adequate data is available to show the manner in which the test was conducted. Information submitted to the Department shall include, at a minimum, all of the following:

- (1) A thorough source description, including a description of any air cleaning devices and the flue.
- (2) Process conditions, for example, the production rate or resin usage, and other conditions which may affect emissions from the process.
- (3) The location of the sampling ports.
- (4) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage CO, CO₂, O₂, and N₂), static and barometric pressures.
- (5) Sample collection techniques employed, including procedures used, equipment descriptions, and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.
- (6) Laboratory procedures and results.
- (7) Calculated results.

III. MONITORING REQUIREMENTS.**# 011 [25 Pa. Code §123.43]****Measuring techniques**

The permittee shall measure visible emissions (referenced in Section C, Conditions #004, #005 and #012) using either of the following:

- (a) A device approved by the Department and maintained to provide accurate opacity measurements (e.g., Continuous Opacity Monitor).
- (b) Observers trained and certified in EPA Reference Method 9 to measure plume opacity with the naked eye; or with the aid of any device(s) approved by the Department.

012 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall conduct a weekly inspection around the plant periphery during daylight hours when the plant is in production to detect visible emissions, fugitive particulate matter emissions, and malodorous air contaminants. Weekly inspections are necessary to determine:

- (a) The presence of visible emissions as stated in Section C, Condition #004. Visible emissions may be measured according to the methods specified in Section C, Condition #011. Alternately, plant personnel who observe visible emissions may report the incidence of visible emissions to the Department within two (2) hours of the incident and make arrangements for a certified observer to measure the visible emissions.
- (b) The presence of fugitive particulate matter emissions beyond the plant property boundaries, as stated in Section C, Condition #002.
- (c) The presence of malodorous air contaminants beyond the plant property boundaries, as stated in Section C, Condition #003. In the event that styrene malodors from the facility are detectable outside the permittee's property, the permittee shall implement an abatement plan (additional authority for this requirement is also derived from Operating Permit No. 01-313-002).

**SECTION C. Site Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 013 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

(a) The permittee shall calculate the monthly air emissions from the facility using AP-42 emission factors, manufacturer-supplied emission factors, mass material balance, performance (stack) test data, or other method(s) acceptable to the Department. However, styrene emissions from open molding of reinforced plastic composites shall be calculated using Table 1 to Subpart WWWW of Part 63 - Equations to Calculate Organic HAP Emissions Factors for Specific Open Molding and Centrifugal Casting Process Streams (a.k.a. Unified Emission Factors for Open Molding of Composites). The permittee shall maintain records of the facility's monthly air emissions and calculations, and include that information in the annual air emissions report referenced in Section C, Condition #017(a).

(b) The permittee shall calculate the cumulative facility VOC and NOx emissions for each consecutive 12-month period. The permittee shall maintain records of the cumulative facility VOC and NOx emissions for each consecutive 12-month period in order to demonstrate compliance with Section C, Condition #006.

(c) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

014 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

(a) The permittee shall maintain records of the weekly inspections referenced in Section C, Condition #012. The records shall include, at a minimum, the following information:

- (1) The name of the company representative monitoring each inspection.
- (2) The date and time of each inspection.
- (3) The wind direction during each inspection.

(4) A description of the visible emissions, fugitive particulate matter emissions (beyond the plant property boundaries), and malodorous air contaminants (beyond the plant property boundaries) observed, if any, and actions taken to mitigate them. If no visible emissions or fugitive particulate matter emissions or malodors are observed, then document that none were observed.

(b) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

015 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

(a) The permittee shall maintain records of the monthly usage of each fuel consumed at the entire facility.

(b) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

V. REPORTING REQUIREMENTS.**# 016 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

Pursuant to Section C, Category VIII. COMPLIANCE CERTIFICATION below, the permittee shall forward the annual compliance certification report to U.S. EPA electronically, in lieu of a hard copy version, to the following email address: 'R3_APD_Permits@epa.gov'.

017 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall report malfunctions to the Department. A malfunction is any sudden, infrequent and not reasonably preventable failure of air pollution control or monitoring equipment, process equipment, or a process to operate in a normal or usual manner that may result in an increase in air emissions. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. Malfunctions shall be reported as follows:

**SECTION C. Site Level Requirements**

(a) Any malfunction which poses an imminent danger to the public health, safety, welfare, and environment, shall be immediately reported to the Department by telephone. The telephone report of such malfunctions shall occur no later than two (2) hours after the incident. The permittee shall submit a written report of instances of such malfunctions to the Department within three (3) days of the telephone report.

(1) The notice shall describe the following:

- (i) name and location of the facility;
- (ii) nature and cause of the malfunction;
- (iii) time when the malfunction was first observed;
- (iv) expected duration of excess emissions; and
- (v) estimated rate of emissions.

(2) The permittee shall notify the Department immediately when corrective measures have been accomplished.

(3) Subsequent to the malfunction, the owner or operator shall submit a full report of the malfunction to the Department within 15 days, if requested.

(4) The owner or operator shall submit reports on the operation and maintenance of the source to the Department at such intervals and in such form and detail as may be required by the Department. Information required in the reports may include, but is not limited to, process weight rates, firing rates, hours of operation, and maintenance schedules.

(b) Unless otherwise required by this operating permit, any other malfunction that is not subject to the reporting requirements of part (a), above, shall be reported to the Department, in writing, within five (5) days of malfunction discovery.

(c) Malfunctions shall be reported to the Department at the following address:

PA DEP
York District Office
Air Quality Program
150 Roosevelt Avenue
York, PA 17401

Telephone reports shall be made to the Department's Air Quality Program at 717.771.4481 during normal business hours or to the Department's Emergency Hotline at 866.825.0208 at any time.

018 [25 Pa. Code §135.3]**Reporting**

(a) An annual air emissions report for a given calendar year is due no later than March 1 of the following year, and shall be submitted to the Air Quality District Supervisor, at the following address, unless otherwise specified:

PA DEP
York District Office
Air Quality Program
150 Roosevelt Avenue
York, PA 17401

(b) The monthly fuel usage referenced in Section C, Condition #015, shall be included in the annual air emissions report.

(c) The monthly air emissions and calculations referenced in Section C, Condition #013, shall be included in the annual air emissions report.

(d) The permittee may request an extension of time from the Department for the filing of the air emissions report specified in part (a), above, and the Department may grant the extension for reasonable cause.

**SECTION C. Site Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 019 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne from any source specified in Section C, Condition #001(a)-(g). These actions shall include, but not be limited to, the following:

- (a) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (b) Application of asphalt, oil, water, or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (c) Paving and maintenance of roadways.
- (d) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

020 [25 Pa. Code §127.444]**Compliance requirements.**

The permittee shall operate and maintain all sources and any air cleaning devices identified in this operating permit in accordance with the manufacturer's recommendations/specifications, as well as in a manner consistent with good operating and air pollution control practices that minimize air emissions.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VIII. COMPLIANCE CERTIFICATION.

The permittee shall submit within thirty days of 01/01/2020 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #026 of section B of this permit, and annually thereafter.

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

***** Permit Shield In Effect *****

**SECTION D. Source Level Requirements**

Source ID: 031

Source Name: BOILER

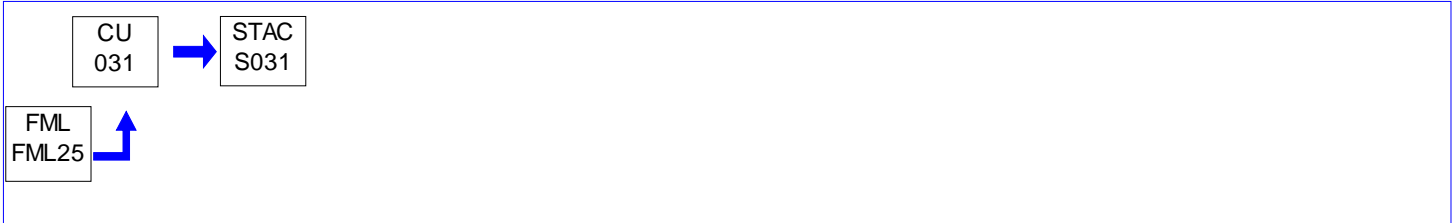
Source Capacity/Throughput:

6.100 MMBTU/HR

6.100 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: 008

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.11]****Combustion units**

The permittee shall not allow the emission into the outdoor atmosphere of particulate matter from Source ID 031 in excess of the rate of 0.4 pound per million BTU of heat input.

[25 Pa. Code §123.11(a)(1)]

002 [25 Pa. Code §123.22]**Combustion units**

The permittee shall not allow the emission into the outdoor atmosphere of sulfur oxides (expressed as SO₂) from Source ID 031 in excess of the rate of four (4) pounds per million BTU of heat input over a one (1) hour period.

[Compliance with the requirement(s) specified in this streamlined permit condition assures compliance with the SIP-approved sulfur dioxide (SO₂) emission limit specified in 40 CFR §52.2020(c)(1)]

[25 Pa. Code §123.22(a)(1)]

Fuel Restriction(s).**# 003 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The permittee shall operate Source ID 031 using natural gas only.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.****# 004 [25 Pa. Code §135.3]****Reporting**

The permittee shall include the following information in the annual air emissions report described in Section C, Condition #018, for the Source ID 031 boiler:

- (a) Monthly natural gas fuel usage;
- (b) Monthly air emissions; and
- (c) Annual days and hours of operation.

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****



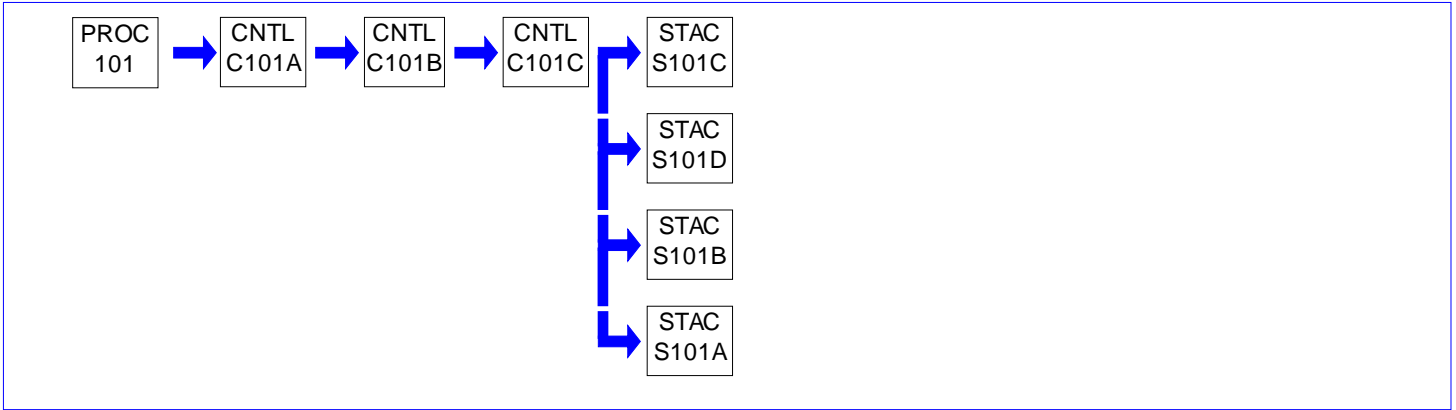
SECTION D. Source Level Requirements

Source ID: 101

Source Name: FIBERGLASS LAY-UP OPERATION

Source Capacity/Throughput: 10.000 Lbs/HR VOC (STYRENE)

Conditions for this source occur in the following groups: 003
004
005
007
009



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 104

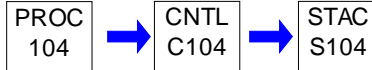
Source Name: GEL COAT SPRAY BOOTH

Source Capacity/Throughput:

5.000 Lbs/HR

VOC

Conditions for this source occur in the following groups: 006
007
009
010

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §123.13]

Processes

Particulate matter emissions from Source ID 104's exhaust shall not exceed 0.04 grain per dry standard cubic foot.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

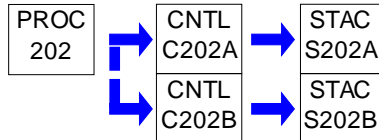
**SECTION D. Source Level Requirements**

Source ID: 202

Source Name: SPRAY PAINT BOOTH NO. 2

Source Capacity/Throughput: 25.000 Lbs/HR VOC

Conditions for this source occur in the following groups: 006
010
011

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.1]

Purpose.

[Additional authority for this operating permit condition is also derived from Plan Approval No. 01-05018A]

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code §127.1, the permittee shall not allow the emission into the outdoor atmosphere of particulate matter (PM) from Source ID 202 in a manner that the concentration of filterable and condensable PM in the effluent gas exceeds 0.02 grain per dry standard cubic foot.

[Compliance with the requirement(s) specified in this streamlined operating permit condition assures compliance with the PM emission limit specified in 25 Pa. Code §123.13(c)(1)(i)]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

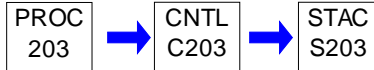
**SECTION D. Source Level Requirements**

Source ID: 203

Source Name: SPRAY PAINT BOOTH NO. 3

Source Capacity/Throughput: 25.000 Lbs/HR VOC

Conditions for this source occur in the following groups: 006
010
011

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

Particulate matter emissions from Source ID 203's exhaust shall not exceed 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from RFD* plan approval exemption letter dated 10/24/13]

Annual Source ID 203 VOC emissions shall not exceed 2.7 tons during any consecutive 12-month period.

{* RFD = Request for Determination of Changes of Minor Significance and Exemption from Plan Approval Requirements}

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.**# 003 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

[Additional authority for this permit condition is also derived from RFD* plan approval exemption letter dated 10/24/13]

(a) The permittee shall maintain monthly records of surface coatings, cutting solvents/thinners, and cleanup solvents used at Source ID 203, as well as the resultant VOC emissions, in order to demonstrate compliance with Condition #002, above.

(b) These records shall be maintained for a minimum of five (5) years and shall be made available to the Department upon its request.

{* RFD = Request for Determination of Changes of Minor Significance and Exemption from Plan Approval Requirements}

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).



SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

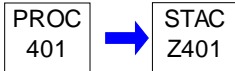
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 401

Source Name: ADHESIVE & SEALANT USAGE

Source Capacity/Throughput: 5.000 Lbs/HR VOC

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.**# 001 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

(a) The permittee shall maintain the following records for Source ID 401:

- (1) Monthly usage of each adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent and related cleanup solvent product;
- (2) Resultant monthly VOC/HAP(s) emissions; and
- (3) Total days and hours of any adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent and cleanup solvent product usage occurrence.

(b) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

V. REPORTING REQUIREMENTS.**# 002 [25 Pa. Code §135.3]****Reporting**

The permittee shall include the following information for Source ID 401 in the annual air emissions report described in Section C, Condition #018:

- (a) Monthly usage of each adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent and related cleanup solvent product;
- (b) The VOC content of each product identified in part (a), above, as applied to the substrate;
- (c) Resultant monthly VOC/HAP(s) emissions of each product identified in part (a), above;
- (d) Identification of each adhesive, sealant, adhesive primer, and sealant primer product identified in part (a), above, that is subject to a VOC content limit of Table V or Table VI of 25 Pa. Code §129.77; and
- (e) Total days and hours of any adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent and related

**SECTION D. Source Level Requirements**

cleanup solvent product usage occurrence.

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.**# 003 [25 Pa. Code §129.77.]****Control of emissions from the use or application of adhesives, sealants, primers and solvents.**

(a) 25 Pa. Code §129.77 applies to the owner or operator of a facility that uses or applies one or more of the following at the facility on or after January 1, 2012:

- (1) An adhesive, sealant, adhesive primer or sealant primer subject to the VOC content limits in Table V.
- (2) An adhesive or sealant product applied to the listed substrate subject to the VOC content limits in Table VI.
- (3) A surface preparation solvent or cleanup solvent.

(b) On or after January 1, 2012, an owner or operator of a facility may not use or apply at the facility an adhesive, sealant, adhesive primer or sealant primer that exceeds the applicable VOC content limit in Table V or VI, except as provided elsewhere in 25 Pa. Code §129.77. [NOTE: SOURCE ID 401 IS SUBJECT TO TABLES V & VI; TABLES V & VI ARE DISPLAYED AT THE END OF THIS OPERATING PERMIT CONDITION]

(c) On or after January 1, 2012, an owner or operator of a facility may not use or apply at the facility a surface preparation or cleanup solvent that exceeds the applicable VOC content limit or composite partial vapor pressure requirements of 25 Pa. Code §129.77, except as provided elsewhere in 25 Pa. Code §129.77.

(d) The VOC content limits in Table VI for adhesives or sealants applied to particular substrates apply as follows:

(1) If an owner or operator of a facility uses or applies at the facility an adhesive or sealant subject to a specific VOC content limit in Table V, the specific limit is applicable rather than the adhesive-to-substrate limit (or sealant-to-substrate limit) in Table VI.

(2) If an owner or operator of a facility uses or applies at the facility an adhesive to bond dissimilar substrates together, the applicable substrate category with the highest VOC content limit is the limit for this use.

(e) An owner or operator of a facility subject to 25 Pa. Code §129.77 using or applying a surface preparation solvent or cleanup solvent at the facility may not:

(1) Except as provided in part (e)(2), below, for single-ply roof membrane, use materials containing VOCs for surface preparation, unless the VOC content of the surface preparation solvent is less than 70 grams per liter of material or 0.6 pound of VOC per gallon of material.

(2) Use materials containing VOCs for surface preparation or cleanup when applying single-ply roof membrane, unless the composite partial vapor pressure, excluding water and exempt compounds, of the surface preparation solvent or cleanup solvent is less than or equal to 45 mm mercury at 20°C.

(3) Except as provided in part (f), below, use cleanup solvent materials containing VOCs for the removal of adhesives, sealants, adhesive primers or sealant primers from surfaces, other than from the parts of spray application equipment, unless the composite partial vapor pressure of the solvent is less than or equal to 45 mm mercury at 20°C.

SECTION D. Source Level Requirements

(f) Removal of an adhesive, sealant, adhesive primer or sealant primer from the parts of spray application equipment shall be performed by one or more of the following methods:

- (1) Using an enclosed cleaning system, or an equivalent cleaning system, as determined by the test method identified in part (z), below.
- (2) Using a solvent with a VOC content less than or equal to 70 grams of VOC per liter of material or 0.6 pound of VOC per gallon of material.
- (3) Soaking parts containing dried adhesive in a solvent if the composite partial vapor pressure of the solvent, excluding water and exempt compounds, is less than or equal to 9.5 mm mercury at 20°C and the parts and solvent are in a closed container that remains closed except when adding parts to, or removing parts from, the container.

(g) [N/A - SOURCE ID 401 DOES NOT EMPLOY ADD-ON AIR POLLUTION CONTROL EQUIPMENT]

(h) An owner or operator of a facility subject to 25 Pa. Code §129.77 shall store or dispose of all absorbent materials, including cloth or paper, which are moistened with adhesives, sealants, primers, surface preparation solvents or cleanup solvents subject to 25 Pa. Code §129.77, in nonabsorbent containers at the facility that are kept closed except when placing materials in, or removing materials from, the container.

(i) An owner or operator of a facility subject to 25 Pa. Code §129.77 may not solicit, require or specify the use or application of an adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent or cleanup solvent if the use or application would result in a violation of 25 Pa. Code §129.77, unless the emissions are controlled through the use of add-on air pollution control equipment as specified in part (g), above. The prohibition of this paragraph applies to all written or oral contracts created on or after January 1, 2012, under which an adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent or cleanup solvent subject to 25 Pa. Code §129.77 is to be used or applied at a facility in this Commonwealth. [NOTE: SOURCE ID 401 DOES NOT EMPLOY ADD-ON AIR POLLUTION CONTROL EQUIPMENT]

(j) An owner or operator of a facility subject to 25 Pa. Code §129.77 who uses or applies an adhesive, sealant, adhesive primer or sealant primer subject to 25 Pa. Code §129.77 may not add solvent to the adhesive, sealant, adhesive primer or sealant primer in an amount in excess of the manufacturer's recommendation for application, if this addition causes the adhesive, sealant, adhesive primer or sealant primer to exceed the applicable VOC content limit listed in Table V or VI, unless the emissions are controlled through the use of add-on air pollution control equipment as specified in part (g), above. [NOTE: SOURCE ID 401 DOES NOT EMPLOY ADD-ON AIR POLLUTION CONTROL EQUIPMENT]

(k) 25 Pa. Code §129.77 does not apply to the use or application of the following compounds or products:

- (1) Adhesives, sealants, adhesive primers or sealant primers being tested or evaluated in a research and development, quality assurance or analytical laboratory, if records are maintained as required in parts (p) and (q), below.
- (2) Adhesives, sealants, adhesive primers or sealant primers that are subject to 25 Pa. Code §129.73 (relating to aerospace manufacturing and rework) or Chapter 130, Subchapter B or C (relating to consumer products; and architectural and industrial maintenance coatings).
- (3) Adhesives and sealants that contain less than 20 grams of VOC per liter of adhesive or sealant, less water and less exempt compounds, as applied.
- (4) Cyanoacrylate adhesives.
- (5) Adhesives, sealants, adhesive primers or sealant primers that are sold or supplied by the manufacturer or supplier in containers with a net volume of 16 fluid ounces or less, or a net weight of 1 pound or less, except plastic cement welding adhesives and contact adhesives.
- (6) Contact adhesives that are sold or supplied by the manufacturer or supplier in containers with a net volume of 1 gallon or less.

**SECTION D. Source Level Requirements**

(l) 25 Pa. Code §129.77 does not apply to the use of adhesives, sealants, adhesive primers, sealant primers, surface preparation solvents or cleanup solvents in the following operations:

- (1) Tire repair operations, if the label of the adhesive states, "For tire repair only."
- (2) The assembly, repair and manufacture of aerospace components or undersea-based weapons systems.
- (3) The manufacture of medical equipment.

(4) Plaque laminating operations in which adhesives are used to bond clear, polyester acetate laminate to wood with lamination equipment installed prior to July 1, 1992. An owner or operator claiming an exemption under this paragraph shall record and maintain operational records sufficient to demonstrate compliance with this exemption, in accordance with parts (o) thru (q), below.

(m) 25 Pa. Code §129.77 does not apply if the total VOC emissions from all adhesives, sealants, adhesive primers and sealant primers used or applied at the facility are less than 200 pounds or an equivalent volume, per calendar year. An owner or operator of a facility claiming exemption under this paragraph shall record and maintain operational records sufficient to demonstrate compliance with this exemption, in accordance with parts (o) thru (q), below.

(n) 25 Pa. Code §129.77 does not apply to the use or application of a noncomplying adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent or cleanup solvent if the total volume of noncomplying adhesives, sealants, primers, surface preparation and cleanup solvents used or applied facility-wide does not exceed 55 gallons per calendar year. An owner or operator of a facility claiming exemption under this paragraph shall record and maintain operational records sufficient to demonstrate compliance with this exemption, in accordance with parts (o) thru (q), below.

(o) Except as provided in part (p), below, each owner or operator subject to 25 Pa. Code §129.77 shall maintain records demonstrating compliance with 25 Pa. Code §129.77, including the following information:

- (1) A list of each adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent and cleanup solvent product in use and in storage.
- (2) A data sheet or material list which provides the product name, manufacturer identification and use or material application for each product included on the list required under part (o)(1), above.
- (3) The VOC content of each product on the list required under part (o)(1), above, as supplied.
- (4) Catalysts, reducers or other components used and the mix ratio.
- (5) The VOC content or vapor pressure of each product on the list required by part (o)(1), above, as applied, if solvent or other VOC is added to the product before application.
- (6) The volume purchased or produced of each product on the list required under part (o)(1), above.
- (7) The monthly volume used or applied as part of a manufacturing process at the facility of each product on the list required under part (o)(1), above.

(p) For an adhesive, sealant, adhesive primer and sealant primer product subject to the laboratory testing exemption of part (k)(1), above, the person conducting the testing shall make and maintain records of all products used, including the following information:

- (1) The product name.
- (2) The product category of the material or type of application.
- (3) The VOC content of the material.

**SECTION D. Source Level Requirements**

(q) Records made to determine compliance with 25 Pa. Code §129.77 shall be:

- (1) Maintained on-site for 5 years from the date the record is created.
- (2) Made available to the Department upon receipt of a written request.

(r) Except as otherwise provided in 25 Pa. Code §129.77, the VOC and solids content of nonaerosol adhesives (including one-part moisture cure urethane adhesives and silicone adhesives), sealants, adhesive primers, sealant primers, surface preparation solvents and cleanup solvents shall be determined using one of the following:

(1) EPA Reference Method 24, "Determination of Volatile Matter Content, Water Content, Density, Volume Solids, and Weight Solids of Surface Coatings", found at 40 CFR Part 60, Subpart D, Appendix A, including updates and revisions.

(2) SCAQMD Method 304, "Determination of Volatile Organic Compounds (VOC) in Various Materials", SCAQMD, 21865 Copley Drive, Diamond Bar, CA 91765 USA, including updates and revisions.

(s) The weight volatile matter content and weight solids content for one-part or multiple part reactive adhesives, except one-part moisture cure urethane adhesives and silicone adhesives, shall be determined using the EPA Reference Method, "Determination of Weight Volatile Matter Content and Weight Solids Content of Reactive Adhesives", found at 40 CFR Part 63, Subpart PPPP, Appendix A, including updates and revisions.

(t) The identity and concentration of exempt organic compounds shall be determined using one of the following:

(1) ASTM D4457, "Standard Test Method for Determination of Dichloromethane and 1,1,1-Trichloroethane in Paints and Coatings by Direct Injection into a Gas Chromatograph", ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959 USA including updates and revisions.

(2) SCAQMD Method 303, "Determination of Exempt Compounds", SCAQMD, 21865 Copley Drive, Diamond Bar, CA 91765 USA, including updates and revisions.

(u) The VOC content of a plastic cement welding adhesive or primer shall be determined using SCAQMD Method 316A, "Determination of Volatile Organic Compounds (VOC) in Materials Used for Pipes and Fittings", SCAQMD, 21865 Copley Drive, Diamond Bar, CA 91765 USA, including updates and revisions.

(v) To determine if a diluent is a reactive diluent, the percentage of the reactive organic compound that becomes an integral part of the finished material shall be determined using SCAQMD Method 316A, "Determination of Volatile Organic Compounds (VOC) in Materials Used for Pipes and Fittings", SCAQMD, 21865 Copley Drive, Diamond Bar, CA 91765 USA, including updates and revisions.

(w) The composite partial vapor pressure of organic compounds in cleaning materials shall be determined by the following procedure:

(1) Quantifying the amount of each compound in the blend using gas chromatographic analysis, using the following methods:

(i) ASTM E260, "Standard Practice for Packed Column Gas Chromatography", ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959 USA, for organic content, including updates and revisions.

(ii) ASTM D3792, "Standard Test Method for Water Content of Coatings by Direct Injection Into a Gas Chromatograph", ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959 USA, for water content, including updates and revisions.

(2) Calculating the composite partial vapor pressure using the following equation:

$$PPC = \left\{ \sum_{i=1}^n (W_i)(VP_i) / (MW_i) \right\} / \left\{ \sum W_w / MW_w + \sum_{e=1}^c (W_e / MWe) + \sum_{i=1}^n (W_i / MW_i) \right\}$$

SECTION D. Source Level Requirements

Where:

PPC = VOC composite partial vapor pressure at 20°C, in mm mercury;

$\sum_{i=1}^n A_i$ = Symbol used to denote summation such that " $\sum_{i=1}^n A_i$ " means summation of values A_i for "i" ranging from 1 to the last value "n" where "n" is the number of non-zero values of " A_i ";

n = number of different VOC compounds;

W_i = Weight of the "i"th VOC compound, in grams, as determined by ASTM E260;

V_{P_i} = Vapor pressure of the "i"th VOC compound at 20°C, in mm mercury, as determined by part (x), below;

MW_i = Molecular weight of the "i"th VOC compound, in grams per g-mole, as given in chemical reference literature;

W_w = Weight of water, in grams, as determined by ASTM D3792;

MW_w = Molecular weight of water, in grams per g-mole (18 grams per g-mole);

k = number of different exempt compounds;

W_e = Weight of the "e"th exempt compound, in grams, as determined by ASTM E260;

MW_e = Molecular weight of the "e"th exempt compound, in grams per g-mole, as given in chemical reference literature; and

The symbol "/" means "divided by".

(x) The vapor pressure of each single component compound shall be determined from one or more of the following:

(1) ASTM D2879, "Standard Test Method for Vapor Pressure-Temperature Relationship and Initial Decomposition Temperature of Liquids by Isoteniscope", ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959 USA, including updates and revisions.

(2) The most recent edition of one or more of the following sources:

(i) "Vapour Pressures of Pure Substances", Boublik, Elsevier Scientific Publishing Company, New York.

(ii) "Perry's Chemical Engineers' Handbook", Green and Perry, McGraw-Hill Book Company.

(iii) "CRC Handbook of Chemistry and Physics", CRC Press.

(iv) "Lange's Handbook of Chemistry", McGraw-Hill Book Company.

(v) Additional sources approved by the SCAQMD or other California air districts.

(y) [N/A - SOURCE ID 401 DOES NOT EMPLOY ADD-ON AIR POLLUTION CONTROL EQUIPMENT]

(z) The active and passive solvent losses from the use of an enclosed spray gun cleaning system or equivalent cleaning system, as listed in subsection (f)(1), shall be determined using the SCAQMD method, "General Test Method for Determining Solvent Losses from Spray Gun Cleaning Systems", dated October 3, 1989, SCAQMD, 21865 Copley Drive, Diamond Bar, CA 91765 USA, including updates and revisions.

(1) The test solvent for this determination shall be a lacquer thinner with a minimum vapor pressure of 105 mm of mercury at 20°C.

(2) The minimum test temperature shall be 15°C.

(aa) Another test method may be used to determine the VOC or solids content of a product if the request for approval of the test method meets the following requirements:

(1) The request is submitted to the Department in writing.

(2) The request demonstrates that the test method provides results that accurately determine the concentration of VOCs in the product or its emissions.

(3) The Department approves the request in writing.

**SECTION D. Source Level Requirements**

(bb) For adhesive, sealant, adhesive primer or sealant primer products that do not contain reactive diluents, grams of VOC per liter of product thinned to the manufacturer's recommendation, less water and exempt compounds, shall be calculated according to the following equation:

$$\text{Grams of VOC per liter of product, as applied} = [(Ws - Ww - We)] / [(Vm - Vw - Ve)]$$

Where:

Ws = weight of volatile compounds, in grams;
 Ww = weight of water, in grams;
 We = weight of exempt compounds, in grams;
 Vm = volume of material, in liters;
 Vw = volume of water, in liters;
 Ve = volume of exempt compounds, in liters; and
 The symbol "/" means "divided by".

(cc) For adhesive, sealant, adhesive primer or sealant primer products that contain reactive diluents, the VOC content of the product is determined after curing. The grams of VOC per liter of product thinned to the manufacturer's recommendation, less water and exempt compounds, shall be calculated according to the following equation:

$$\text{Grams of VOC per liter of product, as applied} = [(Wrs - Wrw - Wre)] / [(Vrm - Vrw - Vre)]$$

Where:

Wrs = weight of volatile compounds not consumed during curing, in grams;
 Wrw = weight of water not consumed during curing, in grams;
 Wre = weight of exempt compounds not consumed during curing, in grams;
 Vrm = volume of material not consumed during curing, in liters;
 Vrw = volume of water not consumed during curing, in liters;
 Vre = volume of exempt compounds not consumed during curing, in liters; and
 The symbol "/" means "divided by".

(dd) For low-solids adhesive, sealant, adhesive primer or sealant primer products, grams of VOC per liter of product thinned to the manufacturer's recommendation, including the volume of water and exempt compounds, shall be calculated according to the following equation:

$$\text{Grams of VOC per liter of product, as applied} = [(Ws - Ww - We)] / (Vm)$$

Where:

Ws = weight of volatile compounds, in grams;
 Ww = weight of water, in grams;
 We = weight of exempt compounds, in grams;
 Vm = volume of material, in liters; and
 The symbol "/" means "divided by".

(ee) Percent VOC by weight shall be calculated according to the following equation:

$$\% \text{ VOC by weight} = [(Wv / W)] \times 100$$

Where:

Wv = weight of VOCs, in grams;
 W = weight of material, in grams; and
 The symbol "/" means "divided by".

**SECTION D. Source Level Requirements**

(ff) To convert from grams per liter (g/l) to pounds per gallon (lb/gal), multiply the result (VOC content) by 0.008345 (lb/gal/g/l).

Table V - VOC Content Limits for Adhesives, Sealants, Adhesive Primers, and Sealant Primers, As Applied (Weight of VOC per Volume of Material, Less Water and Exempt Compounds, as Applied)*

Category	(pound VOC / gallon)	(grams VOC / liter)
Adhesives		
ABS Welding	3.3	400
Ceramic Tile Installation	1.1	130
Computer Diskette Jacket Manufacturing	7.1	850
Contact Bond	2.1	250
Cove Base Installation	1.3	150
CPVC Welding	4.1	490
Indoor Floor Covering Installation	1.3	150
Metal to Urethane/Rubber Molding or Casting	7.1	850
Multipurpose Construction	1.7	200
Nonmembrane Roof Installation/Repair	2.5	300
Outdoor Floor Covering Installation	2.1	250
Perimeter Bonded Sheet Vinyl Flooring Installation	5.5	660
Plastic Cement Welding, other than ABS, CPVC or PVC Welding	4.3	510
PVC Welding	4.3	510
Sheet Rubber Installation	7.1	850
Single-ply Roof Membrane Installation/Repair	2.1	250
Structural Glazing	0.8	100
Thin Metal Laminating	6.5	780
Tire Retread	0.8	100
Waterproof Resorcinol Glue	1.4	170
Sealants		
Architectural	2.1	250
Marine Deck	6.3	760
Nonmembrane Roof Installation/Repair	2.5	300
Roadway	2.1	250
Single-ply Roof Membrane	3.8	450
Other	3.5	420
Adhesive Primers		
Automotive Glass	5.8	700
Plastic Cement Welding	5.4	650
Single-ply Roof Membrane	2.1	250
Traffic Marking Tape	1.3	150
Other	6.3	750
Sealant Primers		
Marine Deck	6.3	760
Nonporous Architectural	2.1	250
Porous Architectural	6.5	775
Other	6.3	750

Table VI - VOC Content Limits for Adhesive or Sealant Products Applied to Particular Substrates, As Applied (Weight of VOC



SECTION D. Source Level Requirements

per Volume of Material, Less Water and Exempt Compounds, as Applied)*

Substrate	(pound VOC / gallon)	(grams VOC / liter)
Fiberglass	1.7	200
Flexible Vinyl	2.1	250
Metal	0.3	30
Porous Material	1.0	120
Rubber	2.1	250
Other Substrates	2.1	250

* The VOC content is determined as the weight of VOC per volume of product, less water and exempt compounds, as specified in 25 Pa. Code §129.77(bb) & (cc), above, or as the weight of VOC per volume of product, as specified in 25 Pa. Code §129.77(dd), above.

004 [25 Pa. Code §129.77.]

Control of emissions from the use or application of adhesives, sealants, primers and solvents.

This condition constitutes a compliance schedule pursuant to 25 Pa. Code §127.445:

- 1.) By no later than 4/30/19, the permittee shall cease using the following 25 Pa. Code §129.77 non-compliant adhesive product: 3M 78 Spray.
- 2.) By no later than 8/31/19, the permittee shall cease using the following 25 Pa. Code §129.77 non-compliant adhesive products, and shall provide compliant substitute product information to the Department: SG230A Sci-Grip Off-White and Sci-Grip SG300-05-B Black.
- 3.) Upon issuance of this operating permit, the permittee shall use no more than 55 gallons per calendar year of the following 25 Pa. Code §129.77-covered adhesive primer product: Plexus PC-120.

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: 003

Group Description: VOC SOURCES [NON-SPRAY BOOTHS; NOT INCLUDING SOURCE ID 401]

Sources included in this group

ID	Name
101	FIBERGLASS LAY-UP OPERATION
102	CLEANUP SOLVENT
103	RESIN TRANSFER MOLDING AREA
105	VACUUM INFUSION PROCESS
301	TELENE REACTION INJECTION MOLDING PROCESS

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.**# 001 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

(a) The permittee shall maintain the following records for all VOC/HAP-laden material used by each Group 003 source:

- (1) Name and identification number
- (2) The VOC content (% by weight or % by volume)
- (3) The HAP content (% by weight or % by volume; by HAP type)
- (4) Cumulative pounds or gallons per month used
- (5) Cumulative pounds per month of VOC emissions
- (6) Cumulative pounds per month of HAP(s) emissions (by HAP type)

(b) The permittee shall maintain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

002 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain Certified Product Data Sheets (CPDSs), Material Safety Data Sheets (MSDSs), Product Data Sheets (PDSs), or Environmental Data Sheets (EDSs) for each resin, gel coat, cleanup solvent, and any other VOC-laden component used at the Group 003 sources for the most recent five (5) year period. The records shall be made available to the Department upon its request.

V. REPORTING REQUIREMENTS.**# 003 [25 Pa. Code §135.3]****Reporting**

[Additional authority for this permit condition is also derived from Operating Permit No. 01-313-002]

(a) The permittee shall include the following information for each resin, gel coat, cleanup solvent, and other VOC-laden components applied at Group 003 in the annual air emissions report referenced in Section C, Condition #018:

- (1) Name and identification number
- (2) The VOC content (% by weight or % by volume)
- (3) The HAP content (% by weight or % by volume)

**SECTION E. Source Group Restrictions.**

- (4) Cumulative pounds or gallons per month used
 - (5) Cumulative pounds per month of VOC emissions
 - (6) Cumulative pounds per month of HAP(s) emissions (by type)
- (b) The total days and hours of operation for each Group 003 source shall also be included in the annual report.
- (c) The permittee shall provide the following information for waste coatings, solvents, or mixtures sent off-site for recycling or disposal in order to obtain credit for VOC and HAP(s) emissions reporting for (a)(5) and (a)(6), respectively, above:
- (1) Pounds or gallons per month of waste coatings, solvents, or mixtures shipped from the facility
 - (2) Waste profile or sampling data for a representative shipment (conducted a minimum of once each calendar year)
 - (3) Identification of the waste disposal company for each shipment

VI. WORK PRACTICE REQUIREMENTS.**# 004 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The permittee shall keep all containers which contain VOCs tightly closed when not in use. Spills of materials containing VOCs shall be cleaned up immediately with cleaning cloths or other methods that will minimize the evaporation of VOCs into the atmosphere. VOC-laden cleaning cloths shall be kept in closed containers when not in use.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: 004

Group Description: SOURCES W/ A CONTROL DEVICE(S) [NON-SPRAY BOOTHS]

Sources included in this group

ID	Name
101	FIBERGLASS LAY-UP OPERATION
105	VACUUM INFUSION PROCESS

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall not allow the emission into the outdoor atmosphere of particulate matter (PM) from any of the Group 004 sources in a manner that the concentration of PM in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

[25 Pa. Code §123.13(c)(1)(i)]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 002 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The permittee shall operate the respective control device(s) during operation of each Group 004 source.

003 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

The permittee shall operate and maintain all control devices associated with each Group 004 source in accordance with the manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****



SECTION E. Source Group Restrictions.

Group Name: 005
Group Description: SOURCES W/ DUCT PRE-FILTERS
Sources included in this group

ID	Name
101	FIBERGLASS LAY-UP OPERATION
105	VACUUM INFUSION PROCESS

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

001 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.
 The permittee shall operate and maintain instrumentation to measure and display the pressure differential across each Group 005 source's respective duct pre-filters.

IV. RECORDKEEPING REQUIREMENTS.

002 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.
 (a) The permittee shall monitor and record the pressure differential across each Group 005 source's respective duct pre-filters. The pressure differential shall be recorded a minimum of once per week while the source and its respective duct pre-filters are operating.
 (b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its request.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: 006

Group Description: SPRAY BOOTHS

Sources included in this group

ID	Name
104	GEL COAT SPRAY BOOTH
201	SPRAY PAINT BOOTH NO. 1
202	SPRAY PAINT BOOTH NO. 2
203	SPRAY PAINT BOOTH NO. 3

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.**# 001 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

[Additional authority for this operating permit condition is also derived from 25 Pa. Code §129.52(c) and Plan Approval No. 01-05018A]

(a) The permittee shall maintain daily records of:

(1) The following parameters for each coating, thinner and other component(s) as supplied:

- (i) The coating, thinner or component(s) name and identification number
- (ii) The volume used
- (iii) The mix ratio for the as applied surface coating
- (iv) The density or specific gravity
- (v) The weight percent of total volatiles, water, solids and exempt VOCs
- (vi) The volume percent of solids

(2) The VOC content of each coating, thinner and other component(s) as supplied.

(3) The VOC content of each as applied surface coating.

(b) The permittee shall maintain these records for a minimum of five (5) years. The records shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.**# 002 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

[Additional authority for this operating permit condition is also derived from 25 Pa. Code §135.3; additional authority for this operating permit condition regarding Source IDs 201 & 202 is also derived from Plan Approval No. 01-05018A]

(a) The permittee shall include the following information for each coating, thinner and other component(s) applied at each Group 006 source in the annual air emissions report referenced in Section C, Condition #018:

- (1) Name and identification number

**SECTION E. Source Group Restrictions.**

- (2) The VOC content of the coating, thinner and other component(s) as supplied (pounds VOC per gallon of coating solids, minus water and exempt VOCs)
- (3) The VOC content of the as applied surface coating (pounds VOC per gallon of coating solids, minus water and exempt VOCs)
- (4) Coating density (pounds per gallon, at 25°C)
- (5) Percent total volatiles (by weight)
- (6) Percent water (by weight)
- (7) Percent solids (by volume and weight)
- (8) Percent exempt VOC(s) (by weight)
- (9) Percent VOCs (by weight)
- (10) Mix ratio for the as applied surface coating
- (11) Percent hazardous air pollutant(s) [HAP(s)] (by weight and by type)
- (12) Gallons per month used
- (13) Pounds per month of VOC emissions
- (14) Pounds per month of HAP(s) emissions (by type)

The permittee shall also include the type and amount (gallons per month) of VOC/HAP-containing cleanup solvent(s) collectively used in conjunction with the operation of each Group 006 source (i.e., cleaning activities and wash-off operations), as well as the resultant monthly VOC and HAP(s) emissions.

This information shall be reported using VOC Worksheets supplied by the Department, or an equivalent format acceptable to the Department.

- (b) The total days and approximate hours of operation for each Group 006 source shall also be included in the annual report.
- (c) The permittee shall provide the following information for waste coatings, solvents, or mixtures sent off-site for recycling or disposal in order to obtain credit for VOC and HAP(s) emissions reporting for (a)(13) and (a)(14), respectively, above:
 - (1) Pounds or gallons per month of waste coatings, solvents, or mixtures shipped from the facility
 - (2) Waste profile or sampling data for a representative shipment (conducted a minimum of once each calendar year)
 - (3) Identification of the waste disposal company for each shipment
- (d) The permittee shall include each new surface coating in the annual report and indicate that it is a new surface coating used during the reporting year.

VI. WORK PRACTICE REQUIREMENTS.**# 003 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The permittee shall operate and maintain the dry panel filter(s) associated with each Group 006 source in accordance with the manufacturer's specifications.

004 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this operating permit condition regarding Source IDs 201 & 202 is also derived from Plan Approval No. 01-05018A & the Best Available Technology (BAT) provisions of 25 Pa. Code §127.1]

The permittee shall not allow the operation of any Group 006 source unless it is equipped with dry panel filter(s) for particulate matter (PM) control.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: 007

Group Description: SOURCES SUBJECT TO MACT SUBPART WWWW

Sources included in this group

ID	Name
101	FIBERGLASS LAY-UP OPERATION
102	CLEANUP SOLVENT
103	RESIN TRANSFER MOLDING AREA
104	GEL COAT SPRAY BOOTH
105	VACUUM INFUSION PROCESS
301	TELENE REACTION INJECTION MOLDING PROCESS

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.**# 001 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

In the event that 40 CFR Part 63, Subpart WWWW - National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production (MACT Subpart WWWW) is revised, the permittee shall comply with the revised version of MACT Subpart WWWW, and shall not be required to comply with any provisions in this operating permit designated as having MACT Subpart WWWW as their authority, to the extent that such operating permit provisions would be inconsistent with the applicable provisions of the revised MACT Subpart WWWW.

002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1]**Subpart A--General Provisions****Applicability.**

The Group 007 sources are subject to 40 CFR Part 63, Subpart WWWW - National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production. The permittee shall comply with all applicable standards, compliance provisions, performance test, monitoring, recordkeeping, and reporting requirements contained at 40 CFR §§63.5780 through 63.5935, including all applicable portions of 40 CFR Part 63, Subpart A - General Provisions. The permittee shall comply with 40 CFR §63.13(a), which requires submission of copies of all requests, reports, applications, submittals, and other communications to both the U.S. Environmental Protection Agency (U.S. EPA) and the Department.

**SECTION E. Source Group Restrictions.**

The U.S. EPA copies shall be forwarded to:

Director
Air Protection Division
U.S. EPA, Region III (3AP00)
1650 Arch Street
Philadelphia, PA 19103-2029

The Department copies shall be forwarded to:

Regional Air Program Manager
PA Department of Environmental Protection
909 Elmerton Avenue
Harrisburg, PA 17110-8200

003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5785]

Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production

Am I subject to this subpart?

What This Subpart Covers

§63.5780 What is the purpose of this subpart?

This subpart establishes national emissions standards for hazardous air pollutants (NESHAP) for reinforced plastic composites production. This subpart also establishes requirements to demonstrate initial and continuous compliance with the hazardous air pollutants (HAP) emissions standards.

§63.5785 Am I subject to this subpart?

(a) You are subject to this subpart if you own or operate a reinforced plastic composites production facility that is located at a major source of HAP emissions. Reinforced plastic composites production is limited to operations in which reinforced and/or nonreinforced plastic composites or plastic molding compounds are manufactured using thermoset resins and/or gel coats that contain styrene to produce plastic composites. The resins and gel coats may also contain materials designed to enhance the chemical, physical, and/or thermal properties of the product. Reinforced plastic composites production also includes cleaning, mixing, HAP-containing materials storage, and repair operations associated with the production of plastic composites.

(b) [N/A - THE FACILITY DOES NOT ONLY REPAIR REINFORCED PLASTIC COMPOSITES]

(c) [N/A - THE FACILITY IS NOT A RESEARCH & DEVELOPMENT FACILITY]

(d) [N/A - THE FACILITY USES GREATER THAN OR EQUAL TO 1.2 TPY OF STYRENE-CONTAINING THERMOSET RESINS & STYRENE-CONTAINING GEL COATS COMBINED]

§63.5787 What if I also manufacture fiberglass boats or boat parts?

(a) [N/A - THE FACILITY IS SUBJECT TO 40 CFR PART 63, SUBPART WWW]

(b) [N/A - NOT ALL OF THE REINFORCED PLASTIC COMPOSITES MANUFACTURED AT THE FACILITY ARE USED IN BOAT MANUFACTURING]

(c) If you are subject to 40 CFR Part 63, Subpart WWW, and meet the applicability criteria in §63.5785, and produce reinforced plastic composites that are not used in fiberglass boat manufacture at your facility, all operations associated with the manufacture of the reinforced plastic composites parts that are not used in fiberglass boat manufacture at your facility are subject to this subpart, except as noted in paragraph (d) of this section.

(d) Facilities potentially subject to both this subpart and 40 CFR Part 63, Subpart WWW may elect to have the operations in

**SECTION E. Source Group Restrictions.**

paragraph (c) of this section covered by 40 CFR Part 63, Subpart VVV, in lieu of this subpart, if they can demonstrate that this will not result in any organic HAP emissions increase compared to complying with this subpart.

§63.5790 What parts of my plant does this subpart cover?

(a) This subpart applies to each new or existing affected source at reinforced plastic composites production facilities.

(b) The affected source consists of all parts of your facility engaged in the following operations: open molding; closed molding; centrifugal casting; continuous lamination; continuous casting; polymer casting; pultrusion; sheet molding compound (SMC) manufacturing; bulk molding compound (BMC) manufacturing; mixing; cleaning of equipment used in reinforced plastic composites manufacture; HAP-containing materials storage; and repair operations on parts you also manufacture. NOTE: AS OF THIS OPERATING PERMIT'S ISSUANCE DATE, THE PERMITTEE ENGAGES IN THE FOLLOWING OF THE AFOREMENTIONED OPERATIONS: OPEN MOLDING; CLOSED MOLDING; MIXING; CLEANING OF EQUIPMENT USED IN REINFORCED PLASTIC COMPOSITES MANUFACTURE; HAP-CONTAINING MATERIALS STORAGE; AND REPAIR OPERATIONS ON PARTS ALSO MANUFACTURED]

(c) The following operations are specifically excluded from any requirements in this subpart: application of mold sealing and release agents; mold stripping and cleaning; repair of parts that you did not manufacture, including non-routine manufacturing of parts; personal activities that are not part of the manufacturing operations (such as hobby shops on military bases); prepreg materials as defined in §63.5935; non-gel coat surface coatings; application of putties, polyputties, and adhesives; repair or production materials that do not contain resin or gel coat; research and development operations as defined in Section 112(c)(7) of the CAA; polymer casting; and closed molding operations (except for compression/injection molding). Note that the exclusion of certain operations from any requirements applies only to operations specifically listed in this paragraph. The requirements for any co-located operations still apply.

(d) Production resins that must meet military specifications are allowed to meet the organic HAP limit contained in that specification. In order for this exemption to be used, you must supply to the permitting authority the specifications certified as accurate by the military procurement officer, and those specifications must state a requirement for a specific resin, or a specific resin HAP content. Production resins for which this exemption is used must be applied with nonatomizing resin application equipment unless you can demonstrate this is infeasible. You must keep a record of the resins for which you are using this exemption.

[68 FR 19402, Apr. 21, 2003, as amended at 70 FR 50124, Aug. 25, 2005]

§63.5795 How do I know if my reinforced plastic composites production facility is a new affected source or an existing affected source?

(a) A reinforced plastic composites production facility is a new affected source if it meets all the criteria in paragraphs (a)(1) and (2) of this section.

(1) You commence construction of the source after August 2, 2001.

(2) You commence construction, and no other reinforced plastic composites production source exists at that site.

(b) For the purposes of this subpart, an existing affected source is any affected source that is not a new affected source. [NOTE: THE FACILITY IS DEFINED AS AN EXISTING AFFECTED SOURCE]

[70 FR 50124, Aug. 25, 2005]

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5796]

Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production

What are the organic HAP emissions factor equations in Table 1 to this subpart, and how are they used in this subpart?

Calculating Organic HAP Emissions Factors for Open Molding and Centrifugal Casting

§63.5796 What are the organic HAP emissions factor equations in Table 1 to this subpart, and how are they used in this subpart?

**SECTION E. Source Group Restrictions.**

Emissions factors are used in this subpart to determine compliance with certain organic HAP emissions limits in Tables 3 and 5 to this subpart. You may use the equations in Table 1 to this subpart to calculate your emissions factors. Equations are available for each open molding operation and centrifugal casting operation and have units of pounds of organic HAP emitted per ton (lb/ton) of resin or gel coat applied. These equations are intended to provide a method for you to demonstrate compliance without the need to conduct a HAP emissions test. In lieu of these equations, you can elect to use site-specific organic HAP emissions factors to demonstrate compliance provided your site-specific organic HAP emissions factors are incorporated in the facility's air emissions permit and are based on actual facility HAP emissions test data. You may also use the organic HAP emissions factors calculated using the equations in Table 1 to this subpart, combined with resin and gel coat use data, to calculate your organic HAP emissions. [NOTE: OF THE REFERENCED TABLES IN THIS PARAGRAPH, ONLY TABLES 1 & 3 APPLY TO THE GROUP 007 SOURCES]

[NOTE: PLEASE REFER TO TABLE 1 TO SUBPART WWW OF 40 CFR PART 63 - EQUATIONS TO CALCULATE ORGANIC HAP EMISSIONS FACTORS FOR SPECIFIC OPEN MOLDING AND CENTRIFUGAL CASTING PROCESS STREAMS]

§63.5797 How do I determine the organic HAP content of my resins and gel coats?

In order to determine the organic HAP content of resins and gel coats, you may rely on information provided by the material manufacturer, such as manufacturer's formulation data and material safety data sheets (MSDSs), using the procedures specified in paragraphs (a) through (c) of this section, as applicable.

(a) Include in the organic HAP total each organic HAP that is present at 0.1 percent by mass or more for Occupational Safety and Health Administration-defined carcinogens, as specified in 29 CFR §1910.1200(d)(4) and at 1.0 percent by mass or more for other organic HAP compounds.

(b) If the organic HAP content is provided by the material supplier or manufacturer as a range, you must use the upper limit of the range for determining compliance. If a separate measurement of the total organic HAP content, such as an analysis of the material by EPA Method 311 of Appendix A to 40 CFR Part 63, exceeds the upper limit of the range of the total organic HAP content provided by the material supplier or manufacturer, then you must use the measured organic HAP content to determine compliance.

(c) If the organic HAP content is provided as a single value, you may use that value to determine compliance. If a separate measurement of the total organic HAP content is made and is less than 2 percentage points higher than the value for total organic HAP content provided by the material supplier or manufacturer, then you still may use the provided value to demonstrate compliance. If the measured total organic HAP content exceeds the provided value by 2 percentage points or more, then you must use the measured organic HAP content to determine compliance.

§63.5798 What if I want to use, or I manufacture, an application technology (new or existing) whose organic HAP emissions characteristics are not represented by the equations in Table 1 to this subpart?

If you wish to use a resin or gel coat application technology (new or existing), whose emission characteristics are not represented by the equations in Table 1 to this subpart, you may use the procedures in paragraphs (a) or (b) of this section to establish an organic HAP emissions factor. This organic HAP emissions factor may then be used to determine compliance with the emission limits in this subpart, and to calculate facility organic HAP emissions.

(a) Perform an organic HAP emissions test to determine a site-specific organic HAP emissions factor using the test procedures in §63.5850.

(b) Submit a petition to the Administrator for administrative review of this subpart. This petition must contain a description of the resin or gel coat application technology and supporting organic HAP emissions test data obtained using EPA test methods or their equivalent. The emission test data should be obtained using a range of resin or gel coat HAP contents to demonstrate the effectiveness of the technology under the different conditions, and to demonstrate that the technology will be effective at different sites. The Administrator will review the submitted data, and, if appropriate, update the equations in Table 1 to this subpart.

§63.5799 How do I calculate my facility's organic HAP emissions on a TPY basis for purposes of determining which paragraphs of §63.5805 apply?

**SECTION E. Source Group Restrictions.**

(a) – (c) [N/A - THE FACILITY IS AN EXISTING FACILITY THAT DOES NOT HAVE CENTRIFUGAL CASTING OR CONTINUOUS LAMINATION/CASTING OPERATIONS; EMISSIONS CALCULATION AND EMISSION REPORTING PROCEDURES IN OTHER MACT SUBPART WWWW SECTIONS MAY BE APPLICABLE]

[68 FR 19402, Apr. 21, 2003, as amended at 70 FR 50124, Aug. 25, 2005]

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5800]

Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production

When do I have to comply with this subpart?

Compliance Dates and Standards

§63.5800 When do I have to comply with this subpart?

You must comply with the standards in this subpart by the dates specified in Table 2 to this subpart. Facilities meeting an organic HAP emissions standard based on a 12-month rolling average must begin collecting data on the compliance date in order to demonstrate compliance.

TABLE 2 REQUIREMENTS

As required in §§63.5800 and 63.5840 you must demonstrate compliance with the standards by the dates in the following table:

1. [N/A - THE FACILITY WAS NOT A MAJOR SOURCE ON OR BEFORE THE PUBLICATION DATE OF THIS SUBPART]
2. If your facility is an existing source that is an area source and becomes a major source after the publication date of this subpart, then you must comply by 3 years after becoming a major source or April 21, 2006, whichever is later. [NOTE: THE FACILITY BECAME A MAJOR SOURCE ON 11/30/16. THEREFORE, THE RELEVANT COMPLIANCE DATE FOR THE GROUP 007 SOURCES IS 11/30/19]
3. [N/A - THE FACILITY DOES NOT HAVE CENTRIFUGAL CASTING OR CONTINUOUS LAMINATION/CASTING OPERATIONS]
4. [N/A - THE FACILITY IS DEFINED AS AN EXISTING AFFECTED SOURCE]
5. [N/A - THE FACILITY IS DEFINED AS AN EXISTING AFFECTED SOURCE]
6. [N/A - THE FACILITY IS DEFINED AS AN EXISTING AFFECTED SOURCE]

END OF TABLE 2 REQUIREMENTS

§63.5805 What standards must I meet to comply with this subpart?

You must meet the requirements of paragraphs (a) through (h) of this section that apply to you. You may elect to comply using any options to meet the standards described in §§63.5810 through 63.5830. Use the procedures in §63.5799 to determine if you meet or exceed the 100 TPY threshold.

(a) [N/A - THE FACILITY DOES NOT HAVE CENTRIFUGAL CASTING OR CONTINUOUS CASTING/LAMINATION OPERATIONS]

(b) All operations at existing facilities not listed in paragraph (a) of this section must meet the organic HAP emissions limits in Table 3 to this subpart and the work practice standards in Table 4 to this subpart that apply, regardless of the quantity of HAP emitted.

**SECTION E. Source Group Restrictions.**-----
TABLE 3 REQUIREMENTS

As specified in §63.5805, you must meet the following organic HAP emissions limits that apply to you:

- 1.a. open molding -- corrosion-resistant and/or high strength (CR/HS): mechanical resin application = 113 lb organic HAP/ton (12-month rolling average).
- 1.b. open molding -- CR/HS: filament application = 171 lb organic HAP/ton (12-month rolling average).
- 1.c. open molding -- CR/HS: manual resin application = 123 lb organic HAP/ton (12-month rolling average).
- 2.a. open molding -- non-CR/HS: mechanical resin application = 88 lb organic HAP/ton (12-month rolling average).
- 2.b. open molding -- non-CR/HS: filament application = 188 lb organic HAP/ton (12-month rolling average).
- 2.c. open molding -- non-CR/HS: manual resin application = 87 lb organic HAP/ton (12-month rolling average).
- 3.a. open molding -- tooling: mechanical resin application = 254 lb organic HAP/ton (12-month rolling average).
- 3.b. open molding -- tooling: manual resin application = 157 lb organic HAP/ton (12-month rolling average).
- 4.a. open molding -- low-flame spread/low-smoke products: mechanical resin application = 497 lb organic HAP/ton (12-month rolling average).
- 4.b. open molding -- low-flame spread/low-smoke products: filament application = 270 lb organic HAP/ton (12-month rolling average).
- 4.c. open molding -- low-flame spread/low-smoke products: manual resin application = 238 lb organic HAP/ton (12-month rolling average).
- 5.a. open molding -- shrinkage-controlled resins*: mechanical resin application = 354 lb organic HAP/ton (12-month rolling average).
- 5.b. open molding -- shrinkage-controlled resins*: filament application = 215 lb organic HAP/ton (12-month rolling average).
- 5.c. open molding -- shrinkage-controlled resins*: manual resin application = 180 lb organic HAP/ton (12-month rolling average).
- 6.a. open molding -- gel coat**: tooling gel coating = 440 lb organic HAP/ton (12-month rolling average).
- 6.b. open molding -- gel coat**: white/off-white pigmented gel coating = 267 lb organic HAP/ton (12-month rolling average).
- 6.c. open molding -- gel coat**: all other pigmented gel coating = 377 lb organic HAP/ton (12-month rolling average).
- 6.d. open molding -- gel coat**: CR/HS or high performance gel coat = 605 lb organic HAP/ton (12-month rolling average).
- 6.e. open molding -- gel coat**: fire-retardant gel coat = 854 lb organic HAP/ton (12-month rolling average).
- 6.f. open molding -- gel coat**: clear production gel coat = 522 lb organic HAP/ton (12-month rolling average).
7. [N/A - THE FACILITY DOES NOT HAVE CENTRIFUGAL CASTING OPERATIONS]
8. [N/A - THE FACILITY DOES NOT HAVE CENTRIFUGAL CASTING OPERATIONS]



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9. [N/A - THE FACILITY DOES NOT HAVE PULTRUSION OPERATIONS]

10. [N/A - THE FACILITY DOES NOT HAVE CONTINUOUS LAMINATION/CASTING OPERATIONS]

* This emission limit applies regardless of whether the shrinkage-controlled resin is used as a production resin or a tooling resin.

** If you only apply gel coat with manual application, for compliance purposes treat the gel coat as if it were applied using atomized spray guns to determine both emission limits and emission factors. If you use multiple application methods and any portion of a specific gel coat is applied using nonatomized spray, you may use the nonatomized spray gel coat equation to calculate an emission factor for the manually applied portion of that gel coat. Otherwise, use the atomized spray gel coat application equation to calculate emission factors.

[70 FR 50131, Aug. 25, 2005]

END OF TABLE 3 REQUIREMENTS

TABLE 4 REQUIREMENTS

As specified in §63.5805, you must meet the work practice standards in the following table that apply to you:

1. [N/A - THE FACILITY DOES NOT HAVE CLOSED MOLDING OPERATIONS USING COMPRESSION/INJECTION MOLDING; CLOSED MOLDING OPERATIONS INVOLVING ORGANIC HAP-CONTAINING PRODUCTS IS ONLY DONE VIA VACUUM INFUSION BAG MOLDING AND RESIN TRANSFER MOLDING (RTM)]

2. For a new or existing cleaning operation, you must not use cleaning solvents that contain HAP, except that styrene may be used as a cleaner in closed systems, and organic HAP-containing cleaners may be used to clean cured resin from application equipment. Application equipment includes any equipment that directly contacts resin.

3. For a new or existing HAP-containing materials storage operation, you must keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.

4. [N/A - THE FACILITY DOES NOT HAVE SHEET MOLDING COMPOUND (SMC) MANUFACTURING OPERATIONS]

5. [N/A - THE FACILITY DOES NOT HAVE SHEET MOLDING COMPOUND (SMC) MANUFACTURING OPERATIONS]

6. For all mixing or bulk molding compound (BMC) manufacturing operations*, you must use mixer covers with no visible gaps present in the mixer covers, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation.

7. For all mixing or BMC manufacturing operations*, you must close any mixer vents when actual mixing is occurring, except that venting is allowed during addition of materials, or as necessary prior to adding materials or opening the cover for safety. Vents routed to a 95 percent efficient control device are exempt from this requirement.

8. For all mixing or BMC manufacturing operations*, you must keep the mixer covers closed while actual mixing is occurring except when adding materials or changing covers to the mixing vessels.

9. [N/A - THE FACILITY DOES NOT HAVE PULTRUSION OPERATIONS]

* Containers of 5 gallons or less may be open when active mixing is taking place, or during periods when they are in process (i.e., they are actively being used to apply resin). For polymer casting mixing operations, containers with a surface area of 500 square inches or less may be open while active mixing is taking place.

[70 FR 50133, Aug. 25, 2005]

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END OF TABLE 4 REQUIREMENTS

(c) [N/A - THE FACILITY IS DEFINED AS AN EXISTING AFFECTED SOURCE]

(d) [N/A - THE FACILITY IS DEFINED AS AN EXISTING AFFECTED SOURCE]

(e) [N/A - THE FACILITY DOES NOT HAVE CENTRIFUGAL CASTING OR CONTINUOUS CASTING/LAMINATION OPERATIONS & THE FACILITY IS DEFINED AS AN EXISTING AFFECTED SOURCE; THEREFORE, §63.5805(a)(2)&(c) ARE NOT APPLICABLE]

(f) [N/A - §63.5805(a)(2)&(c) ARE NOT APPLICABLE]

(g) If you have repair operations subject to this subpart as defined in §63.5785, these repair operations must meet the requirements in Tables 3 and 4 to this subpart and are not required to meet the 95 percent organic HAP emissions reduction requirements in paragraph (a)(1) or (d) of this section. [NOTE: PARAGRAPHS (a)(1) & (d) OF THIS SECTION ARE NOT APPLICABLE]

(h) [N/A - AN ADD-ON CONTROL DEVICE(S) IS NOT USED TO COMPLY WITH MACT SUBPART WWWW]

[70 FR 50124, Aug. 25, 2005]

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5810]

Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production

What are my options for meeting the standards for open molding and centrifugal casting operations at new and existing sources?

Options for Meeting Standards

§63.5810 What are my options for meeting the standards for open molding and centrifugal casting operations at new and existing sources?

You must use one of the following methods in paragraphs (a) through (d) of this section to meet the standards for open molding or centrifugal casting operations in Table 3 or 5 to this subpart. You may use any control method that reduces organic HAP emissions, including reducing resin and gel coat organic HAP content, changing to nonatomized mechanical application, using covered curing techniques, and routing part or all of your emissions to an add-on control. You may use different compliance options for the different operations listed in Table 3 or 5 to this subpart. The necessary calculations must be completed within 30 days after the end of each month. You may switch between the compliance options in paragraphs (a) through (d) of this section. When you change to an option based on a 12-month rolling average, you must base the average on the previous 12 months of data calculated using the compliance option you are changing to, unless you were previously using an option that did not require you to maintain records of resin and gel coat use. In this case, you must immediately begin collecting resin and gel coat use data and demonstrate compliance 12 months after changing options. [NOTE: OF THE REFERENCED TABLES IN THIS PARAGRAPH, ONLY TABLE 3 APPLIES TO THE GROUP 007 SOURCES]

(a) Demonstrate that an individual resin or gel coat, as applied, meets the applicable emission limit in Table 3 or 5 to this subpart. [NOTE: OF THE REFERENCED TABLES IN THIS PARAGRAPH, ONLY TABLE 3 APPLIES TO THE GROUP 007 SOURCES]

(1) Calculate your actual organic HAP emissions factor for each different process stream within each operation type. A process stream is defined as each individual combination of resin or gel coat, application technique, and control technique. Process streams within operations types are considered different from each other if any of the following four characteristics vary: the neat resin plus or neat gel coat plus organic HAP content, the gel coat type, the application technique, or the control technique. You must calculate organic HAP emissions factors for each different process stream by using the appropriate equations in Table 1 to this subpart for open molding and for centrifugal casting, or site-specific organic HAP emissions factors discussed in §63.5796. The emission factor calculation should include any and all emission reduction

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techniques used including any add-on controls. If you are using vapor suppressants to reduce HAP emissions, you must determine the vapor suppressant effectiveness (VSE) by conducting testing according to the procedures specified in Appendix A to Subpart WWWW of 40 CFR Part 63. If you are using an add-on control device to reduce HAP emissions, you must determine the add-on control factor by conducting capture and control efficiency testing using the procedures specified in §63.5850. The organic HAP emissions factor calculated from the equations in Table 1 to this subpart, or a site-specific emissions factor, is multiplied by the add-on control factor to calculate the organic HAP emissions factor after control. Use Equation 1 of this section to calculate the add-on control factor used in the organic HAP emissions factor equations.

Add-on Control Factor = $1 - (\% \text{ Control Efficiency}/100)$ {Equation 1}

Where:

Percent (%) Control Efficiency = a value calculated from organic HAP emissions test measurements made according to the requirements of §63.5850 to this subpart.

(2) If the calculated emission factor is less than or equal to the appropriate emission limit, you have demonstrated that this process stream complies with the emission limit in Table 3 to this subpart. It is not necessary that all your process streams, considered individually, demonstrate compliance to use this option for some process streams. However, for any individual resin or gel coat you use, if any of the process streams that include that resin or gel coat are to be used in any averaging calculations described in paragraphs (b) through (d) of this section, then all process streams using that individual resin or gel coat must be included in the averaging calculations.

(b) Demonstrate that, on average, you meet the individual organic HAP emissions limits for each combination of operation type and resin application method or gel coat type. Demonstrate that, on average, you meet the individual organic HAP emissions limits for each unique combination of operation type and resin application method or gel coat type shown in Table 3 to this subpart that applies to you.

(1)(i) Group the process streams described in paragraph (a) to this section by operation type and resin application method or gel coat type listed in Table 3 to this subpart and then calculate a weighted average emission factor based on the amounts of each individual resin or gel coat used for the last 12 months. To do this, sum the product of each individual organic HAP emissions factor calculated in paragraph (a)(1) of this section and the amount of neat resin plus and neat gel coat plus usage that corresponds to the individual factors and divide the numerator by the total amount of neat resin plus and neat gel coat plus used in that operation type as shown in Equation 2 of this section.

Average Organic HAPs Emissions Factor = $\{ \sum_{i=1}^n (\text{Actual Process Stream } EFi \times \text{Material}_i) \} / \{ \sum_{i=1}^n (\text{Material}_i) \}$
{Equation 2}

Where:

\sum = Symbol used to denote summation such that " $\sum_{i=1}^n Ai$ " means summation of values Ai for " i " ranging from 1 to the last value " n " where " n " is the number of non-zero values of " Ai ";

Actual Process Stream EFi = actual organic HAP emissions factor for process stream i (lbs/ton);

Material_i = neat resin plus or neat gel coat plus used during the last 12 calendar months for process stream i (tons);

n = number of process streams where an organic HAP emissions factor was calculated;

The symbol " \times " means "multiplied by"; and

The symbol "/" means "divided by".

(ii) You may, but are not required to, include process streams where you have demonstrated compliance as described in paragraph (a) of this section, subject to the limitations described in paragraph (a)(2) of this section, and you are not required to and should not include process streams for which you will demonstrate compliance using the procedures in paragraph (d) of this section.

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(2) Compare each organic HAP emissions factor calculated in paragraph (b)(1) of this section with its corresponding organic HAP emissions limit in Table 3 or 5 to this subpart. If all emissions factors are equal to or less than their corresponding emission limits, then you are in compliance. [NOTE: OF THE REFERENCED TABLES IN THIS PARAGRAPH, ONLY TABLE 3 APPLIES TO THE GROUP 007 SOURCES]

(c) Demonstrate compliance with a weighted average emission limit. Demonstrate each month that you meet each weighted average of the organic HAP emissions limits in Table 3 or 5 to this subpart that apply to you. When using this option, you must demonstrate compliance with the weighted average organic HAP emissions limit for all your open molding operations, and then separately demonstrate compliance with the weighted average organic HAP emissions limit for all your centrifugal casting operations. Open molding operations and centrifugal casting operations may not be averaged with each other. [NOTE: OF THE REFERENCED TABLES IN THIS PARAGRAPH, ONLY TABLE 3 APPLIES TO THE GROUP 007 SOURCES]

(1) Each month calculate the weighted average organic HAP emissions limit for all open molding operations and the weighted average organic HAP emissions limit for all centrifugal casting operations for your facility for the last 12-month period to determine the organic HAP emissions limit you must meet. To do this, multiply the individual organic HAP emissions limits in Table 3 or 5 to this subpart for each open molding (or centrifugal casting) operation type by the amount of neat resin plus or neat gel coat plus used in the last 12 months for each open molding (or centrifugal casting) operation type, sum these results, and then divide this sum by the total amount of neat resin plus and neat gel coat plus used in open molding (or centrifugal casting) over the last 12 months as shown in Equation 3 of this section. [NOTE: OF THE REFERENCED TABLES IN THIS PARAGRAPH, ONLY TABLE 3 APPLIES TO THE GROUP 007 SOURCES]

$$\text{Weighted Average Emission Limit} = \left\{ \sum_{i=1}^n (\text{EL}_i \times \text{Material}_i) \right\} / \left\{ \sum_{i=1}^n (\text{Material}_i) \right\} \quad \{\text{Equation 3}\}$$

Where:

\sum = Symbol used to denote summation such that " $\sum_{i=1}^n A_i$ " means summation of values A_i for "i" ranging from 1 to the last value "n" where "n" is the number of non-zero values of " A_i ";

EL_i = organic HAP emissions limit for operation type i (lbs/ton) from Tables 3 or 5 to this subpart;

Material_i = neat resin plus or neat gel coat plus used during the last 12-month period for operation type i (tons);

n = number of operations;

The symbol "x" means "multiplied by"; and

The symbol "/" means "divided by".

(2) Each month calculate your weighted average organic HAP emissions factor for open molding and centrifugal casting. To do this, multiply your actual open molding (or centrifugal casting) operation organic HAP emissions factors calculated in paragraph (b)(1) of this section and the amount of neat resin plus and neat gel coat plus used in each open molding (or centrifugal casting) operation type, sum the results, and divide this sum by the total amount of neat resin plus and neat gel coat plus used in open molding (or centrifugal casting) operations as shown in Equation 4 of this section.

$$\text{Actual Weighted Average Organic HAP Emissions Factor} = \left\{ \sum_{i=1}^n (\text{Actual Operation EFi} \times \text{Material}_i) \right\} / \left\{ \sum_{i=1}^n (\text{Material}_i) \right\} \quad \{\text{Equation 4}\}$$

Where:

\sum = Symbol used to denote summation such that " $\sum_{i=1}^n A_i$ " means summation of values A_i for "i" ranging from 1 to the last value "n" where "n" is the number of non-zero values of " A_i ";

Actual Operation EF_i = Actual organic HAP emissions factor for operation type i (lbs/ton);

Material_i = neat resin plus or neat gel coat plus used during the last 12 calendar months for operation type i (tons);

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n = number of operations;

The symbol "x" means "multiplied by"; and

The symbol "/" means "divided by".

(3) Compare the values calculated in paragraphs (c)(1) and (2) of this section. If each 12-month rolling average organic HAP emissions factor is less than or equal to the corresponding 12-month rolling average organic HAP emissions limit, then you are in compliance.

(d) Meet the organic HAP emissions limit for one application method and use the same resin(s) for all application methods of that resin type. This option is limited to resins of the same type. The resin types for which this option may be used are noncorrosion-resistant, corrosion-resistant and/or high strength, and tooling.

(1) For any combination of manual resin application, mechanical resin application, filament application, or centrifugal casting, you may elect to meet the organic HAP emissions limit for any one of these application methods and use the same resin in all of the resin application methods listed in this paragraph (d)(1). Table 7 to this subpart presents the possible combinations based on a facility selecting the application process that results in the highest allowable organic HAP content resin. If the resin organic HAP content is below the applicable value shown in Table 7 to this subpart, the resin is in compliance.

(2) You may also use a weighted average organic HAP content for each application method described in paragraph (d)(1) of this section. Calculate the weighted average organic HAP content monthly. Use Equation 2 in paragraph (b)(1) of this section except substitute organic HAP content for organic HAP emissions factor. You are in compliance if the weighted average organic HAP content based on the last 12 months of resin use is less than or equal to the applicable organic HAP contents in Table 7 to this subpart.

(3) You may simultaneously use the averaging provisions in paragraph (b) or (c) of this section to demonstrate compliance for any operations and/or resins you do not include in your compliance demonstrations in paragraphs (d)(1) and (2) of this section. However, any resins for which you claim compliance under the option in paragraphs (d)(1) and (2) of this section may not be included in any of the averaging calculations described in paragraph (b) or (c) of this section.

(4) You do not have to keep records of resin use for any of the individual resins where you demonstrate compliance under the option in paragraph (d)(1) of this section unless you elect to include that resin in the averaging calculations described in paragraph (d)(2) of this section.

[70 FR 50125, Aug. 25, 2005]

TABLE 7 REQUIREMENTS

As specified in §63.5810(d), when electing to use the same resin(s) for multiple resin application methods, you may use any resin(s) with an organic HAP content less than or equal to the values shown in the following table, or any combination of resins whose weighted average organic HAP content based on a 12-month rolling average is less than or equal to the values shown in the following table:

1. [N/A - THE FACILITY DOES NOT HAVE CENTRIFUGAL CASTING OPERATIONS]

2.a. For CR/HS resins applied via nonatomized mechanical, the highest resin weight is 46.4% organic HAP content, or weighted average weight percent organic HAP content, you can use for CR/HS filament application.

2.b. For CR/HS resins applied via nonatomized mechanical, the highest resin weight is 46.4% organic HAP content, or weighted average weight percent organic HAP content, you can use for CR/HS manual.

3. For CR/HS resins applied via filament application, the highest resin weight is 42.0% organic HAP content, or weighted average weight percent organic HAP content, you can use for CR/HS manual.



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- 4.a. For non-CR/HS resins applied via filament application, the highest resin weight is 45.0% organic HAP content, or weighted average weight percent organic HAP content, you can use for non-CR/HS mechanical (nonatomized mechanical application must be used).
- 4.b. For non-CR/HS resins applied via filament application, the highest resin weight is 45.0% organic HAP content, or weighted average weight percent organic HAP content, you can use for non-CR/HS manual.
- 4.c. [N/A - THE FACILITY DOES NOT HAVE CENTRIFUGAL CASTING OPERATIONS]
- 5.a. For non-CR/HS resins applied via nonatomized mechanical application, the highest resin weight is 38.5% organic HAP content, or weighted average weight percent organic HAP content, you can use for non-CR/HS manual.
- 5.b. [N/A - THE FACILITY DOES NOT HAVE CENTRIFUGAL CASTING OPERATIONS]
- 6. [N/A - THE FACILITY DOES NOT HAVE CENTRIFUGAL CASTING OPERATIONS]
- 7. For tooling resins applied via nonatomized mechanical application, the highest resin weight is 91.4% organic HAP content, or weighted average weight percent organic HAP content, you can use for tooling manual.
- 8. For tooling resins applied via manual application, the highest resin weight is 45.9% organic HAP content, or weighted average weight percent organic HAP content, you can use for tooling atomized mechanical.

[70 FR 50133, Aug. 25, 2005]

END OF TABLE 7 REQUIREMENTS

§63.5820 What are my options for meeting the standards for continuous lamination/casting operations?

(a) – (d) [N/A - THE FACILITY DOES NOT HAVE CONTINUOUS LAMINATION/CASTING OPERATIONS]

§63.5830 What are my options for meeting the standards for pultrusion operations subject to the 60 weight percent organic HAP emissions reductions requirement?

(a) – (e) [N/A - THE FACILITY DOES NOT HAVE PULTRUSION OPERATIONS]

[68 FR 19402, Apr. 21, 2003, as amended at 70 FR 50127, Aug. 25, 2005]

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5835]
Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production

What are my general requirements for complying with this subpart?

General Compliance Requirements

§63.5835 What are my general requirements for complying with this subpart?

(a) You must be in compliance at all times with the work practice standards in Table 4 to this subpart, as well as the organic HAP emissions limits in Tables 3, or 5, or the organic HAP content limits in Table 7 to this subpart, as applicable, that you are meeting without the use of add-on controls. [NOTE: OF THE REFERENCED TABLES IN THIS PARAGRAPH, ONLY TABLES 3, 4 & 7 APPLY TO THE GROUP 007 SOURCES]

(b) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART WWWW]

(c) You must always operate and maintain your affected source, including air pollution control and monitoring equipment, according to the provisions in §63.6(e)(1)(i).



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(d) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART WWWW]

[68 FR 19402, Apr. 21, 2003, as amended at 71 FR 20466, Apr. 20, 2006]

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5840]
Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production**

By what date must I conduct a performance test or other initial compliance demonstration?

Testing and Initial Compliance Requirements

§63.5840 By what date must I conduct a performance test or other initial compliance demonstration?

You must conduct performance tests, performance evaluations, design evaluations, capture efficiency testing, and other initial compliance demonstrations by the compliance date specified in Table 2 to this subpart, with three exceptions. Open molding and centrifugal casting operations that elect to meet an organic HAP emissions limit on a 12-month rolling average must initiate collection of the required data on the compliance date, and demonstrate compliance 1 year after the compliance date. New sources that use add-on controls to initially meet compliance must demonstrate compliance within 180 days after their compliance date.

§63.5845 When must I conduct subsequent performance tests?

[N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART WWWW]

§63.5850 How do I conduct performance tests, performance evaluations, and design evaluations?

(a) – (h) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS (OR CMSs) TO COMPLY WITH MACT SUBPART WWWW]

§63.5855 What are my monitor installation and operation requirements?

[N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS (OR CMSs) TO COMPLY WITH MACT SUBPART WWWW]

§63.5860 How do I demonstrate initial compliance with the standards?

(a) You demonstrate initial compliance with each organic HAP emissions standard in paragraphs (a) through (h) of §63.5805 that applies to you by using the procedures shown in Tables 8 and 9 to this subpart.

(b) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART WWWW]

TABLE 8 REQUIREMENTS

As specified in §63.5860(a), you must demonstrate initial compliance with organic HAP emissions limits as specified in the following table:

1.a. For open molding and centrifugal casting operations that must meet an organic HAP emissions limit shown in Tables 3 or 5 to this subpart, or an organic HAP content limit shown in Table 7 to this subpart, you have demonstrated initial compliance if:

(i) you have met the appropriate organic HAP emissions limits for these operations as calculated using the procedures in §63.5810 on a 12-month rolling average 1 year after the appropriate compliance date, and/or

(ii) you demonstrate that any individual resins or gel coats not included in (i) above, as applied, meet their applicable emission limits, or

(iii) you demonstrate, using the appropriate values in Table 7 to this subpart, that the weighted average of all resins and



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gel coats for each resin type and application method meet the appropriate organic HAP contents.

[NOTE: THE FACILITY DOES NOT HAVE CENTRIFUGAL CASTING OPERATIONS]

- 2. [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART WWWW]
- 3. [N/A - THE FACILITY DOES NOT HAVE CONTINUOUS LAMINATION/CASTING OPERATIONS]
- 4. [N/A - THE FACILITY DOES NOT HAVE CONTINUOUS LAMINATION/CASTING OPERATIONS]
- 5. [N/A - THE FACILITY DOES NOT HAVE PULTRUSION OPERATIONS]
- 6. [N/A - THE FACILITY DOES NOT HAVE PULTRUSION OPERATIONS]

[70 FR 50134, Aug. 25, 2005]

END OF TABLE 8 REQUIREMENTS

TABLE 9 REQUIREMENTS

As specified in §63.5860(a), you must demonstrate initial compliance with work practice standards as specified in the following table:

1. [N/A - THE FACILITY DOES NOT HAVE CLOSED MOLDING OPERATIONS USING COMPRESSION/INJECTION MOLDING; CLOSED MOLDING OPERATIONS INVOLVING ORGANIC HAP-CONTAINING PRODUCTS IS ONLY DONE VIA VACUUM INFUSION BAG MOLDING AND RESIN TRANSFER MOLDING (RTM)]

2. For a new or existing cleaning operation that must meet the following standards:

"Not use cleaning solvents that contain HAP, except that styrene may be used in closed systems, and organic HAP-containing materials may be used to clean cured resin from application equipment. Application equipment includes any equipment that directly contacts resin between storage and applying resin to the mold or reinforcement."

You have demonstrated initial compliance if the owner or operator submits a certified statement in the notice of compliance status that all cleaning materials, except styrene contained in closed systems, or materials used to clean cured resin from application equipment, contain no HAP.

3. For a new or existing HAP-containing materials storage operation that must meet the following standards:

"Keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety."

You have demonstrated initial compliance if the owner or operator submits a certified statement in the notice of compliance status that all HAP-containing storage containers are kept closed or covered except when adding or removing materials, and that any bulk storage tanks are vented only as necessary for safety.

4. [N/A - THE FACILITY DOES NOT HAVE SHEET MOLDING COMPOUND (SMC) MANUFACTURING OPERATIONS]

5. [N/A - THE FACILITY DOES NOT HAVE SHEET MOLDING COMPOUND (SMC) MANUFACTURING OPERATIONS]

6. For an existing or new mixing or bulk molding compound (BMC) manufacturing operation that must meet the following standards:

"Use mixer covers with no visible gaps present in the mixer covers, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation."



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You have demonstrated initial compliance if the owner or operator submits a certified statement in the notice of compliance status that mixer covers are closed during mixing except when adding materials to the mixers, and that gaps around mixer shafts and required instrumentation are less than 1 inch.

7. For an existing mixing or BMC manufacturing operation that must meet the following standards:

"Not actively vent mixers to the atmosphere while the mixing agitator is turning, except that venting is allowed during addition of materials, or as necessary prior to adding materials for safety."

You have demonstrated initial compliance if the owner or operator submits a certified statement in the notice of compliance status that mixers are not actively vented to the atmosphere when the agitator is turning except when adding materials or as necessary for safety.

8. For a new or existing mixing or BMC manufacturing operation that must meet the following standards:

"Keep the mixer covers closed during mixing except when adding materials to the mixing vessels."

You have demonstrated initial compliance if the owner or operator submits a certified statement in the notice of compliance status that mixer covers are closed except when adding materials to the mixing vessels.

9. [N/A - THE FACILITY DOES NOT HAVE PULTRUSION OPERATIONS]

[70 FR 50135, Aug. 25, 2005]

END OF TABLE 9 REQUIREMENTS

§63.5865 What data must I generate to demonstrate compliance with the standards for continuous lamination/casting operations?

(a) – (b) [N/A - THE FACILITY DOES NOT HAVE CONTINUOUS LAMINATION/CASTING OPERATIONS]

§63.5870 How do I calculate annual uncontrolled and controlled organic HAP emissions from my wet-out area(s) and from my oven(s) for continuous lamination/casting operations?

(a) – (e) [N/A - THE FACILITY DOES NOT HAVE CONTINUOUS LAMINATION/CASTING OPERATIONS]

§63.5875 How do I determine the capture efficiency of the enclosure on my wet-out area and the capture efficiency of my oven(s) for continuous lamination/casting operations?

(a) – (b) [N/A - THE FACILITY DOES NOT HAVE CONTINUOUS LAMINATION/CASTING OPERATIONS]

§63.5880 How do I determine how much neat resin plus is applied to the line and how much neat gel coat plus is applied to the line for continuous lamination/casting operations?

(a) – (d) [N/A - THE FACILITY DOES NOT HAVE CONTINUOUS LAMINATION/CASTING OPERATIONS]

§63.5885 How do I calculate percent reduction to demonstrate compliance for continuous lamination/casting operations?

(a) – (d) [N/A - THE FACILITY DOES NOT HAVE CONTINUOUS LAMINATION/CASTING OPERATIONS]

[70 FR 50127, Aug. 25, 2005]

§63.5890 How do I calculate an organic HAP emissions factor to demonstrate compliance for continuous lamination/casting operations?

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(a) – (c) [N/A - THE FACILITY DOES NOT HAVE CONTINUOUS LAMINATION/CASTING OPERATIONS]

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5895]

Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production

How do I monitor and collect data to demonstrate continuous compliance?

Continuous Compliance Requirements

§63.5895 How do I monitor and collect data to demonstrate continuous compliance?

(a) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART WWWW]

(b) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS (OR CMSs) TO COMPLY WITH MACT SUBPART WWWW]

(c) You must collect and keep records of resin and gel coat use, organic HAP content, and operation where the resin is used if you are meeting any organic HAP emissions limits based on an organic HAP emissions limit in Tables 3 or 5 to this subpart. You must collect and keep records of resin and gel coat use, organic HAP content, and operation where the resin is used if you are meeting any organic HAP content limits in Table 7 to this subpart if you are averaging organic HAP contents. Resin use records may be based on purchase records if you can reasonably estimate how the resin is applied. The organic HAP content records may be based on MSDS or on resin specifications supplied by the resin supplier. [NOTE: OF THE REFERENCED TABLES IN THIS PARAGRAPH, ONLY TABLES 3 & 7 APPLY TO THE GROUP 007 SOURCES]

(d) Resin and gel coat use records are not required for the individual resins and gel coats that are demonstrated, as applied, to meet their applicable emission limit as defined in §63.5810(a). However, you must retain the records of resin and gel coat organic HAP content, and you must include the list of these resins and gel coats and identify their application methods in your semiannual compliance reports. If after you have initially demonstrated that a specific combination of an individual resin or gel coat, application method, and controls meets its applicable emission limit, and the resin or gel coat changes or the organic HAP content increases, or you change the application method or controls, then you again must demonstrate that the individual resin or gel coat meets its emission limit as specified in paragraph (a) of §63.5810. If any of the previously mentioned changes results in a situation where an individual resin or gel coat now exceeds its applicable emission limit in Table 3 or 5 of this subpart, you must begin collecting resin and gel coat use records and calculate compliance using one of the averaging options on a 12-month rolling average. [NOTE: OF THE REFERENCED TABLES IN THIS PARAGRAPH, ONLY TABLE 3 APPLIES TO THE GROUP 007 SOURCES]

(e) [N/A - THE FACILITY DOES NOT HAVE PULTRUSION OPERATIONS]

[68 FR 19402, Apr. 21, 2003, as amended at 70 FR 50128, Aug. 25, 2005]

§63.5900 How do I demonstrate continuous compliance with the standards?

(a) You must demonstrate continuous compliance with each standard in §63.5805 that applies to you according to the methods specified in paragraphs (a)(1) through (3) of this section.

(1) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS (OR CMSs) TO COMPLY WITH MACT SUBPART WWWW]

(2) Compliance with organic HAP emissions limits is demonstrated by maintaining an organic HAP emissions factor value less than or equal to the appropriate organic HAP emissions limit listed in Table 3 or 5 to this subpart, on a 12-month rolling average, and/or by including in each compliance report a statement that individual resins and gel coats, as applied, meet the appropriate organic HAP emissions limits, as discussed in §63.5895(d). [NOTE: OF THE REFERENCED TABLES IN THIS PARAGRAPH, ONLY TABLE 3 APPLIES TO THE GROUP 007 SOURCES]

(3) Compliance with organic HAP content limits in Table 7 to this subpart is demonstrated by maintaining an average organic HAP content value less than or equal to the appropriate organic HAP contents listed in Table 7 to this subpart, on a 12-month rolling average, and/or by including in each compliance report a statement that resins and gel coats individually



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meet the appropriate organic HAP content limits in Table 7 to this subpart, as discussed in §63.5895(d).

(4) Compliance with the work practice standards in Table 4 to this subpart is demonstrated by performing the work practice required for your operation.

(b) You must report each deviation from each standard in §63.5805 that applies to you. The deviations must be reported according to the requirements in §63.5910.

(c) Except as provided in paragraph (d) of this section, during periods of startup, shutdown or malfunction, you must meet the organic HAP emissions limits and work practice standards that apply to you.

(d) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART WWWW]

(e) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART WWWW]

[68 FR 19402, Apr. 21, 2003, as amended at 70 FR 50128, Aug. 25, 2005; 71 FR 20466, Apr. 20, 2006]

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5905]
Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production**

What notifications must I submit and when?

Notifications, Reports, and Records

§63.5905 What notifications must I submit and when?

(a) You must submit all of the notifications in Table 13 to this subpart that apply to you by the dates specified in Table 13 to this subpart. The notifications are described more fully in 40 CFR Part 63, Subpart A, referenced in Table 13 to this subpart.

(b) If you change any information submitted in any notification, you must submit the changes in writing to the Administrator within 15 calendar days after the change.

TABLE 13 REQUIREMENTS

As required in §63.5905(a), you must determine the applicable notifications and submit them by the dates shown in the following table:

1. If your facility is an existing source subject to this subpart, you must submit an Initial Notification containing the information specified in §63.9(b)(2) no later than the dates specified in §63.9(b)(2). [NOTE: PURSUANT TO §63.5905(a) AND §63.9(b)(2), THE INITIAL NOTIFICATION WAS REQUIRED TO HAVE BEEN SUBMITTED NO LATER THAN MARCH 30, 2017; THE PERMITTEE SUBMITTED THE INITIAL NOTIFICATION TO U.S. EPA AND DEP VIA A LETTER DATED JUNE 7, 2018 (RECEIVED BY DEP ON JUNE 12, 2018)]
2. [N/A - THE FACILITY IS DEFINED AS AN EXISTING AFFECTED SOURCE]
3. If your facility qualifies for a compliance extension as specified in §63.9(c), you must submit a request for a compliance extension as specified in §63.9(c) no later than the dates specified in §63.6(i). [NOTE: THIS IS ONLY APPLICABLE IF THE PERMITTEE WILL BE INSTALLING CONTROLS IN ORDER TO DEMONSTRATE COMPLIANCE WITH A RELEVANT STANDARD(S)]
4. If your facility is complying with organic HAP emissions limit averaging provisions, you must submit a Notification of Compliance Status as specified in §63.9(h) no later than 1 year plus 30 days after your facility's compliance date. [NOTE: THE FACILITY BECAME A MAJOR SOURCE ON 11/30/16. THEREFORE, PURSUANT TO §§63.5800 & 5840 [TABLE 2 {NO. 2}], THE RELEVANT COMPLIANCE DATE FOR THE GROUP 007 SOURCES IS 11/30/19. THEREFORE, IF THIS COMPLIANCE OPTION IS CHOSEN, THE NOTIFICATION OF COMPLIANCE STATUS IS DUE NO LATER THAN 12/30/20]



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5. If your facility is complying with organic HAP content limits, application equipment requirements, or organic HAP emissions limit other than organic HAP emissions limit averaging, you must submit a Notification of Compliance Status as specified in §63.9(h) no later than 30 calendar days after your facility's compliance date. [NOTE: THE FACILITY BECAME A MAJOR SOURCE ON 11/30/16. THEREFORE, PURSUANT TO §§63.5800 & 5840 [TABLE 2 {NO. 2}], THE RELEVANT COMPLIANCE DATE FOR THE GROUP 007 SOURCES IS 11/30/19. THEREFORE, IF THIS COMPLIANCE OPTION IS CHOSEN, THE NOTIFICATION OF COMPLIANCE STATUS IS DUE NO LATER THAN 12/30/19]

6. [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART WWWW]

END OF TABLE 13 REQUIREMENTS

SPECIAL NOTE:

§63.9(b)(2) states:

§63.9(b)(2) The owner or operator of an affected source that has an initial startup before the effective date of a relevant standard under this part (i.e., 40 CFR Part 63) shall notify the Administrator in writing that the source is subject to the relevant standard. The notification, which shall be submitted not later than 120 calendar days after the effective date of the relevant standard (or within 120 calendar days after the source becomes subject to the relevant standard), shall provide the following information:

- (i) The name and address of the owner or operator;
- (ii) The address (i.e., physical location) of the affected source;
- (iii) An identification of the relevant standard, or other requirement, that is the basis of the notification and the source's compliance date;
- (iv) A brief description of the nature, size, design, and method of operation of the source and an identification of the types of emission points within the affected source subject to the relevant standard and types of hazardous air pollutants emitted; and
- (v) A statement of whether the affected source is a major source or an area source.

[NOTE: THE PERMITTEE SUBMITTED THE MACT SUBPART WWWW INITIAL NOTIFICATION REQUIRED BY §§63.5905(a) AND §63.9(b)(2) TO U.S. EPA VIA A LETTER DATED 6/07/18; A COPY OF THE LETTER WAS RECEIVED BY THE DEPARTMENT ON 6/12/18]

§63.5910 What reports must I submit and when?

- (a) You must submit each report in Table 14 to this subpart that applies to you.

TABLE 14 REQUIREMENTS

As required in §63.5910(a), (b), (g), and (h), you must submit reports on the schedule shown in the following table:

- 1. You must submit a compliance report semiannually according to the requirements in §63.5910(b).. The report must contain the following:

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a. A statement that there were no deviations during that reporting period if there were no deviations from any emission limitations (emission limit, operating limit, opacity limit, and visible emission limit) that apply to you and there were no deviations from the requirements for work practice standards in Table 4 to this subpart that apply to you. If there were no periods during which the CMS, including CEMS, and operating parameter monitoring systems, was out of control as specified in §63.8(c)(7), the report must also contain a statement that there were no periods during which the CMS was out of control during the reporting period.

b. The information in §63.5910(d) if you have a deviation from any emission limitations (emission limit, operating limit, or work practice standard) during the reporting period. If there were periods during which the CMS, including CEMS, and operating parameter monitoring systems, was out of control, as specified in §63.8(c)(7), the report must contain the information in §63.5910(e)

c. The information in §63.10(d)(5)(i) if you had a startup, shutdown or malfunction during the reporting period, and you took actions consistent with your startup, shutdown, and malfunction plan.

2.a. You must submit an immediate startup, shutdown, and malfunction report if you had a startup, shutdown, or malfunction during the reporting period that is not consistent with your startup, shutdown, and malfunction plan. The report must contain actions taken for the event. You must submit the report by fax or telephone within 2 working days after starting actions inconsistent with the plan.

2.b. You must submit an immediate startup, shutdown, and malfunction report if you had a startup, shutdown, or malfunction during the reporting period that is not consistent with your startup, shutdown, and malfunction plan. The report must contain the information in §63.10(d)(5)(ii). You must submit the report by letter within 7 working days after the end of the event unless you have made alternative arrangements with the permitting authority.

END OF TABLE 14 REQUIREMENTS

(b) Unless the Administrator has approved a different schedule for submission of reports under §63.10(a), you must submit each report by the date specified in Table 14 to this subpart and according to paragraphs (b)(1) through (5) of this section.

(1) The first compliance report must cover the period beginning on the compliance date that is specified for your affected source in §63.5800 and ending on June 30 or December 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for your source in §63.5800. [NOTE: THE FIRST COMPLIANCE REPORT MUST COVER THE PERIOD OF 11/30/19 THROUGH 6/30/20]

(2) The first compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date follows the end of the first calendar half after the compliance date that is specified for your affected source in §63.5800. [NOTE: THE FIRST COMPLIANCE REPORT MUST BE POSTMARKED OR DELIVERED NO LATER THAN 7/31/20]

(3) Each subsequent 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.

(4) Each subsequent compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(5) For each affected source that is subject to permitting requirements pursuant to 40 CFR Part 70 or 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to §70.6 (a)(3)(iii)(A) or §71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (b)(1) through (4) of this section.

(c) The compliance report must contain the information in paragraphs (c)(1) through (6) of this section:

(1) Company name and address.

(2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and

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completeness of the content of the report.

(3) Date of the report and beginning and ending dates of the reporting period.

(4) If you had a startup, shutdown, or malfunction during the reporting period and you took actions consistent with your startup, shutdown, and malfunction plan, the compliance report must include the information in §63.10(d)(5)(i).

(5) If there are no deviations from any organic HAP emissions limitations (emissions limit and operating limit) that apply to you, and there are no deviations from the requirements for work practice standards in Table 4 to this subpart, a statement that there were no deviations from the organic HAP emissions limitations or work practice standards during the reporting period.

(6) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS (OR CMSs/CEMS) TO COMPLY WITH MACT SUBPART WWWW]

(d) For each deviation from an organic HAP emissions limitation (i.e., emissions limit and operating limit) and for each deviation from the requirements for work practice standards that occurs at an affected source where you are not using a CMS to comply with the organic HAP emissions limitations or work practice standards in this subpart, the compliance report must contain the information in paragraphs (c)(1) through (5) of this section and in paragraphs (d)(1) and (2) of this section. This includes periods of startup, shutdown, and malfunction.

(1) The total operating time of each affected source during the reporting period.

(2) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

(e) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS (OR CMSs) TO COMPLY WITH MACT SUBPART WWWW]

(f) [N/A - §63.5805(a)(1) & (d) ARE NOT APPLICABLE; THE FACILITY DOES NOT HAVE CENTRIFUGAL CASTING OR CONTINUOUS CASTING/LAMINATION OPERATIONS & THE FACILITY IS DEFINED AS AN EXISTING AFFECTED SOURCE]

(g) Each affected source that has obtained a Title V operating permit pursuant to 40 CFR Part 70 or 71 must report all deviations as defined in this subpart in the semiannual monitoring report required by §70.6(a)(3)(iii)(A) or §71.6(a)(3)(iii)(A). If an affected source submits a compliance report pursuant to Table 14 to this subpart along with, or as part of, the semiannual monitoring report required by §70.6(a)(3)(iii)(A) or §71.6(a)(3)(iii)(A), and the compliance report includes all required information concerning deviations from any organic HAP emissions limitation (including any operating limit) or work practice requirement in this subpart, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.

(h) Submit compliance reports and startup, shutdown, and malfunction reports based on the requirements in Table 14 to this subpart, and not based on the requirements in §63.999.

(i) Where multiple compliance options are available, you must state in your next compliance report if you have changed compliance options since your last compliance report.

[68 FR 19402, Apr. 21, 2003, as amended at 70 FR 50128, Aug. 25, 2005]

§63.5915 What records must I keep?

(a) You must keep the records listed in paragraphs (a)(1) through (3) of this section.

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirements in §63.10(b)(2)(xiv).

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(2) The records in §63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.

(3) Records of performance tests, design, and performance evaluations as required in §63.10(b)(2).

(b) [N/A - AN ADD-ON CONTROL DEVICE(S) IS NOT USED TO COMPLY WITH MACT SUBPART WWWW]

(c) You must keep all data, assumptions, and calculations used to determine organic HAP emissions factors or average organic HAP contents for operations listed in Tables 3, 5, and 7 to this subpart.

(d) You must keep a certified statement that you are in compliance with the work practice requirements in Table 4 to this subpart, as applicable.

(e) [N/A - THE FACILITY DOES NOT HAVE CONTINUOUS LAMINATION/CASTING OPERATIONS]

[68 FR 19402, Apr. 21, 2003, as amended at 70 FR 50129, Aug. 25, 2005]

§63.5920 In what form and how long must I keep my records?

(a) You must maintain all applicable records in such a manner that they can be readily accessed and are suitable for inspection according to §63.10(b)(1).

(b) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You 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 §63.10(b)(1). You can keep the records off-site for the remaining 3 years.

(d) You may keep records in hard copy or computer-readable form including, but not limited to, paper, microfilm, computer floppy disk, magnetic tape, or microfiche.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5925]

Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production

What parts of the General Provisions apply to me?

Other Requirements and Information

§63.5925 What parts of the General Provisions apply to me?

Table 15 to this subpart shows which parts of the General Provisions in §§63.1 through 63.15 apply to you.

§63.5935 What definitions apply to this subpart?

Terms used in 40 CFR Part 63, Subpart WWWW - National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production, as well as Section E, Group 007, are defined in the Clean Air Act (CAA); in §63.2 (General Provisions); and in §63.5935.

[68 FR 19402, Apr. 21, 2003, as amended at 70 FR 50129, Aug. 25, 2005]

*** **Permit Shield in Effect.** ***

**SECTION E. Source Group Restrictions.**

Group Name: 008

Group Description: SOURCE SUBJECT TO MACT SUBPART DDDDD

Sources included in this group

ID	Name
031	BOILER

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.**# 001 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

In the event that 40 CFR Part 63, Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters (MACT Subpart DDDDD) is revised, the permittee shall comply with the revised version of MACT Subpart DDDDD, and shall not be required to comply with any provisions in this operating permit designated as having MACT Subpart DDDDD as their authority, to the extent that such operating permit provisions would be inconsistent with the applicable provisions of the revised MACT Subpart DDDDD.

002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1]**Subpart A--General Provisions****Applicability.**

The Group 008 boiler is subject to 40 CFR Part 63, Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters. The permittee shall comply with all applicable standards, compliance provisions, performance test, monitoring, recordkeeping, and reporting requirements contained at 40 CFR §§63.7480 through 63.7575, including all applicable portions of 40 CFR Part 63, Subpart A - General Provisions. The permittee shall comply with 40 CFR §63.13(a), which requires submission of copies of all requests, reports, applications, submittals, and other communications to both the U.S. Environmental Protection Agency (U.S. EPA) and the Department. The U.S. EPA copies shall be forwarded to:

Director
Air Protection Division

**SECTION E. Source Group Restrictions.**

U.S. EPA, Region III (3AP00)
1650 Arch Street
Philadelphia, PA 19103-2029

The Department copies shall be forwarded to:

Regional Air Program Manager
PA Department of Environmental Protection
909 Elmerton Avenue
Harrisburg, PA 17110-8200

003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7485]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.

Am I subject to this subpart?

§63.7480 What is the purpose of this subpart?

This subpart establishes national emission limitations and work practice standards for hazardous air pollutants (HAP) emitted from industrial, commercial, and institutional boilers and process heaters located at major sources of HAP. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and work practice standards.

§63.7485 Am I subject to this subpart?

You are subject to this subpart if you own or operate an industrial, commercial, or institutional boiler or process heater as defined in §63.7575 that is located at, or is part of, a major source of HAP, except as specified in §63.7491. For purposes of this subpart, a major source of HAP is as defined in §63.2, except that for oil and natural gas production facilities, a major source of HAP is as defined in §63.7575.

[78 FR 7162, Jan. 31, 2013]

§63.7490 What is the affected source of this subpart?

(a) This subpart applies to new, reconstructed, and existing affected sources as described in paragraphs (a)(1) and (2) of this section.

(1) The affected source of this subpart is the collection at a major source of all existing industrial, commercial, and institutional boilers and process heaters within a subcategory as defined in §63.7575.

(2) The affected source of this subpart is each new or reconstructed industrial, commercial, or institutional boiler or process heater, as defined in §63.7575, located at a major source.

(b) A boiler or process heater is new if you commence construction of the boiler or process heater after June 4, 2010, and you meet the applicability criteria at the time you commence construction.

(c) A boiler or process heater is reconstructed if you meet the reconstruction criteria as defined in §63.2, you commence reconstruction after June 4, 2010, and you meet the applicability criteria at the time you commence reconstruction.

(d) A boiler or process heater is existing if it is not new or reconstructed.

(e) [N/A - NOT AN EGU]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7162, Jan. 31, 2013]

§63.7491 Are any boilers or process heaters not subject to this subpart?

The types of boilers and process heaters listed in paragraphs (a) through (n) of this section are not subject to this subpart.

**SECTION E. Source Group Restrictions.**

[N/A – NO EXEMPTIONS APPLY]

(a) [N/A – NOT SUBJECT TO 5U]

(b) [N/A – NOT SUBJECT TO MM]

(c) [N/A – NOT AN R&D UNIT]

(d) [N/A – NOT A HOT WATER HEATER]

(e) [N/A – NOT A REFINING KETTLE]

(f) [N/A – NOT SUBJECT TO YY]

(g) [N/A – NOT A BLAST FURNACE STOVE]

(h) [N/A – NOT PART OF SOURCES SUBJECT TO ANOTHER PART 63 SUBPART, SUCH AS JJJ, OOO, PPP, U]

(i) [N/A – NOT USED AS A CONTROL DEVICE]

(j) [N/A – NOT DEFINED AS TEMPORARY]

(k) [N/A – NOT A BLAST FURNACE GAS FUEL-FIRED UNIT]

(l) [N/A – NOT A CAA SECTION 129 UNIT]

(m) [N/A – NOT SUBJECT TO EEE]

(n) [N/A - NOT A RESIDENTIAL UNIT]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7162, Jan. 31, 2013; 80 FR 72806, Nov. 20, 2015]

§63.7495 When do I have to comply with this subpart?

(a) [N/A - NOT A NEW UNIT]

(b) If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in §63.6(i). [NOTE: SEE PARAGRAPH (c)(2), BELOW]

(c) If you have an area source that increases its emissions or its potential to emit such that it becomes a major source of HAP, paragraphs (c)(1) and (2) of this section apply to you.

(1) [N/A - NOT A NEW UNIT]

(2) Any existing boiler or process heater at the existing source must be in compliance with this subpart within 3 years after the source becomes a major source. [NOTE: THE FACILITY BECAME A MAJOR SOURCE ON 11/30/16. THEREFORE, THE RELEVANT COMPLIANCE DATE FOR THE GROUP 008 BOILER IS 11/30/19]

(d) You must meet the notification requirements in §63.7545 according to the schedule in §63.7545 and in subpart A of this part. Some of the notifications must be submitted before you are required to comply with the emission limits and work practice standards in this subpart.

(e) [N/A - NOT A COMMERCIAL OR INDUSTRIAL SOLID WASTE INCINERATION UNIT COVERED BY PART 60, SUBPART CCCC OR SUBPART DDDD]

(f) [N/A - NOT AN EGU]

**SECTION E. Source Group Restrictions.**

(g) [N/A – NOT USED AS A CONTROL DEVICE]

(h) If you own or operate an existing industrial, commercial, or institutional boiler or process heater and have switched fuels or made a physical change to the boiler or process heater that resulted in the applicability of a different subcategory after the compliance date of this subpart, you must be in compliance with the applicable existing source provisions of this subpart on the effective date of the fuel switch or physical change.

(i) [N/A - NOT A NEW UNIT]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7162, Jan. 31, 2013; 80 FR 72807, Nov. 20, 2015]

EDITORIAL NOTE: At 78 FR 7162, Jan. 31, 2013, §63.7495 was amended by adding paragraph (e). However, there was already a paragraph (e).

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7499]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.

What are the subcategories of boilers and process heaters?

Emission Limitations and Work Practice Standards

§63.7499 What are the subcategories of boilers and process heaters?

The subcategories of boilers and process heaters, as defined in §63.7575 are:

- (a) Pulverized coal/solid fossil fuel units.
- (b) Stokers designed to burn coal/solid fossil fuel.
- (c) Fluidized bed units designed to burn coal/solid fossil fuel.
- (d) Stokers/sloped grate/other units designed to burn kiln dried biomass/bio-based solid.
- (e) Fluidized bed units designed to burn biomass/bio-based solid.
- (f) Suspension burners designed to burn biomass/bio-based solid.
- (g) Fuel cells designed to burn biomass/bio-based solid.
- (h) Hybrid suspension/grate burners designed to burn wet biomass/bio-based solid.
- (i) Stokers/sloped grate/other units designed to burn wet biomass/bio-based solid.
- (j) Dutch ovens/pile burners designed to burn biomass/bio-based solid.
- (k) Units designed to burn liquid fuel that are non-continental units.
- (l) Units designed to burn gas 1 fuels. [NOTE: THE GROUP 008 BOILER SATISFIES THE DEFINITION OF THIS SUBCATEGORY]
- (m) Units designed to burn gas 2 (other) gases.
- (n) Metal process furnaces.
- (o) Limited-use boilers and process heaters.
- (p) Units designed to burn solid fuel.

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- (q) Units designed to burn liquid fuel.
- (r) Units designed to burn coal/solid fossil fuel.
- (s) Fluidized bed units with an integrated fluidized bed heat exchanger designed to burn coal/solid fossil fuel.
- (t) Units designed to burn heavy liquid fuel.
- (u) Units designed to burn light liquid fuel.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013]

§63.7500 What emission limitations, work practice standards, and operating limits must I meet?

(a) You must meet the requirements in paragraphs (a)(1) through (3) of this section, except as provided in paragraphs (b) through (e) of this section. You must meet these requirements at all times the affected unit is operating, except as provided in paragraph (f) of this section.

(1) You must meet each emission limit and work practice standard in Tables 1 through 3, and 11 through 13 [NOTE: OF THESE TABLES, ONLY TABLE 3 APPLIES TO THE GROUP 008 BOILER] to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522. The output-based emission limits, in units of pounds per million BTU of steam output, in Tables 1 or 2 to this subpart are an alternative applicable only to boilers and process heaters that generate either steam, cogenerate steam with electricity, or both. The output-based emission limits, in units of pounds per megawatt-hour, in Tables 1 or 2 to this subpart are an alternative applicable only to boilers that generate only electricity. Boilers that perform multiple functions (cogeneration and electricity generation) or supply steam to common headers would calculate a total steam energy output using Equation 21 of §63.7575 to demonstrate compliance with the output-based emission limits, in units of pounds per million BTU of steam output, in Tables 1 or 2 to this subpart. If you operate a new boiler or process heater, you can choose to comply with alternative limits as discussed in paragraphs (a)(1)(i) through (iii) of this section, but on or after January 31, 2016, you must comply with the emission limits in Table 1 to this subpart.

RELEVANT §63.7575 DEFINITION: Unit designed to burn gas 1 subcategory includes any boiler or process heater that burns only natural gas, refinery gas, and/or other gas 1 fuels. Gaseous fuel boilers and process heaters that burn liquid fuel for periodic testing of liquid fuel, maintenance, or operator training, not to exceed a combined total of 48 hours during any calendar year, are included in this definition. Gaseous fuel boilers and process heaters that burn liquid fuel during periods of gas curtailment or gas supply interruptions of any duration are also included in this definition.

TABLE 3 REQUIREMENTS

As stated in §63.7500, you must comply with the following applicable work practice standards:

1. [N/A - UNIT DOES NOT HAVE A CONTINUOUS OXYGEN TRIM SYSTEM OR A HEAT INPUT CAPACITY OF LESS THAN OR EQUAL TO 5 mmBTU/hr]
2. If your unit is a new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of less than 10 million BTU per hour in the unit designed to burn heavy liquid or unit designed to burn solid fuel subcategories; or a new or existing boiler or process heater with heat input capacity of less than 10 million BTU per hour, but greater than 5 million BTU per hour, in any of the following subcategories: unit designed to burn gas 1; unit designed to burn gas 2 (other); or unit designed to burn light liquid, you must meet the following: Conduct a tune-up of the boiler or process heater biennially as specified in §63.7540.
3. [N/A - UNIT HAS A HEAT INPUT CAPACITY OF LESS THAN OR EQUAL TO 10 mmBTU/hr]
4. If your unit is an existing boiler or process heater located at a major source facility, not including limited use units, you must meet the following: Must have a one-time energy assessment performed by a qualified energy assessor. An energy

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assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this table, satisfies the energy assessment requirement. A facility that operated under an energy management program developed according to the ENERGY STAR guidelines for energy management or compatible with ISO 50001 for at least one year between January 1, 2008 and the compliance date specified in §63.7495 that includes the affected units also satisfies the energy assessment requirement. The energy assessment must include the following with extent of the evaluation for items a. to e. appropriate for the on-site technical hours listed in §63.7575:

- a. A visual inspection of the boiler or process heater system.
- b. An evaluation of operating characteristics of the boiler or process heater systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints.
- c. An inventory of major energy use systems consuming energy from affected boilers and process heaters and which are under the control of the boiler/process heater owner/operator.
- d. A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage.
- e. A review of the facility's energy management program and provide recommendations for improvements consistent with the definition of energy management program, if identified.
- f. A list of cost-effective energy conservation measures that are within the facility's control.
- g. A list of the energy savings potential of the energy conservation measures identified.
- h. A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

5. [N/A – NO EMISSION LIMITS]

6. [N/A – NO EMISSION LIMITS]

[78 FR 7198, Jan. 31, 2013, as amended at 80 FR 72823, Nov. 20, 2015]

END OF TABLE 3 REQUIREMENTS

 (a)(1)(i) – (a)(1)(iii) [N/A – NO EMISSION LIMITS]

(2) [N/A – NO EMISSION LIMITS]

(3) At all times, you must operate and maintain any affected source (as defined in §63.7490), 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 Administrator 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.

(b) As provided in §63.6(g), EPA may approve use of an alternative to the work practice standards in this section.

(c) [N/A - UNIT IS NOT A LIMITED-USE BOILER]

(d) [N/A - UNIT HAS A HEAT INPUT CAPACITY OF GREATER THAN 5 mmBTU/hr AND DOES NOT BURN GAS 2 (OTHER) FUELS OR LIGHT LIQUID FUELS]

(e) Boilers and process heaters in the units designed to burn gas 1 fuels subcategory with a heat input capacity of less than

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or equal to 5 million BTU per hour must complete a tune-up every 5 years as specified in §63.7540. Boilers and process heaters in the units designed to burn gas 1 fuels subcategory with a heat input capacity greater than 5 million BTU per hour and less than 10 million BTU per hour must complete a tune-up every 2 years as specified in §63.7540 [NOTE: THIS APPLIES TO THE GROUP 008 BOILER]. Boilers and process heaters in the units designed to burn gas 1 fuels subcategory are not subject to the emission limits in Tables 1 and 2 or 11 through 13 to this subpart, or the operating limits in Table 4 to this subpart.

(f) [N/A – NO EMISSION LIMITS]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013; 80 FR 72807, Nov. 20, 2015]

§63.7501 [Reserved]

[80 FR 72807, Nov. 20, 2015]

General Compliance Requirements

§63.7505 What are my general requirements for complying with this subpart?

(a) You must be in compliance with the emission limits, work practice standards, and operating limits in this subpart. These emission and operating limits apply to you at all times the affected unit is operating except for the periods noted in §63.7500(f).

(b) [Reserved]

(c) [N/A – NO EMISSION LIMITS]

(d) [N/A – NO EMISSION LIMITS]

(e) [N/A – NO EMISSION LIMITS]

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7510]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.

What are my initial compliance requirements and by what date must I conduct them?

Testing, Fuel Analyses, and Initial Compliance Requirements

§63.7510 What are my initial compliance requirements and by what date must I conduct them?

(a) [N/A – NO EMISSION LIMITS]

(b) [N/A – NO EMISSION LIMITS]

(c) [N/A – NO EMISSION LIMITS]

(d) [N/A – NO EMISSION LIMITS]

(e) For existing affected sources (as defined in §63.7490), you must complete the initial compliance demonstrations, as specified in paragraphs (a) through (d) of this section, no later than 180 days after the compliance date that is specified for your source in §63.7495 and according to the applicable provisions in §63.7(a)(2) as cited in Table 10 to this subpart, except as specified in paragraph (j) of this section. You must complete an initial tune-up by following the procedures described in §63.7540(a)(10)(i) through (vi) no later than the compliance date specified in §63.7495, except as specified in paragraph (j) of this section. You must complete the one-time energy assessment specified in Table 3 to this subpart no later than the compliance date specified in §63.7495.

(f) [N/A – NO EMISSION LIMITS; ALSO, THE UNIT IS NOT DEFINED AS NEW]

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(g) [N/A - NOT A NEW UNIT]

(h) [N/A – UNIT HAS NOT BURNED SOLID WASTE]

(i) [N/A – NOT AN EGU]

(j) [N/A - UNIT HAS OPERATED BETWEEN THE EFFECTIVE DATE (11/30/16) OF MACT SUBPART DDDDD AND THE UNIT'S COMPLIANCE DATE (11/30/19)]

(k) For affected sources, as defined in §63.7490, that switch subcategories consistent with §63.7545(h) after the initial compliance date, you must demonstrate compliance within 60 days of the effective date of the switch, unless you had previously conducted your compliance demonstration for this subcategory within the previous 12 months.

[78 FR 7164, Jan. 31, 2013, as amended at 80 FR 72808, Nov. 20, 2015]

§63.7515 When must I conduct subsequent performance tests, fuel analyses, or tune-ups?

(a) [N/A – PERFORMANCE TESTING NOT REQUIRED]

(b) [N/A – PERFORMANCE TESTING NOT REQUIRED]

(c) [N/A – PERFORMANCE TESTING NOT REQUIRED]

(d) If you are required to meet an applicable tune-up work practice standard, you must conduct an annual, biennial, or 5-year performance tune-up according to §63.7540(a)(10), (11), or (12), respectively. Each annual tune-up specified in §63.7540(a)(10) must be no more than 13 months after the previous tune-up. Each biennial tune-up specified in §63.7540(a)(11) must be conducted no more than 25 months after the previous tune-up. Each 5-year tune-up specified in §63.7540(a)(12) must be conducted no more than 61 months after the previous tune-up. For a new or reconstructed affected source (as defined in §63.7490), the first annual, biennial, or 5-year tune-up must be no later than 13 months, 25 months, or 61 months, respectively, after April 1, 2013 or the initial startup of the new or reconstructed affected source, whichever is later. [NOTE: THE GROUP 008 BOILER IS SUBJECT TO THE BIENNIAL TUNE-UP REQUIREMENTS SPECIFIED IN §63.7540(a)(11)]

(e) [N/A – NO EMISSION LIMITS/FUEL ANALYSIS NOT REQUIRED]

(f) [N/A – PERFORMANCE TESTING/FUEL ANALYSIS NOT REQUIRED]

(g) For affected sources (as defined in § 63.7490) that have not operated since the previous compliance demonstration and more than one year has passed since the previous compliance demonstration, you must complete the subsequent compliance demonstration, if subject to the emission limits in Tables 1, 2, or 11 through 13 to this subpart, no later than 180 days after the re-start of the affected source and according to the applicable provisions in § 63.7(a)(2) as cited in Table 10 to this subpart [NOTE: THE GROUP 008 BOILER IS NOT SUBJECT TO ANY EMISSION LIMITS]. You must complete a subsequent tune-up by following the procedures described in §63.7540(a)(10)(i) through (vi) and the schedule described in §63.7540(a)(13) for units that are not operating at the time of their scheduled tune-up.

(h) [N/A – PERFORMANCE TESTING NOT REQUIRED]

(i) [N/A – NO CO CEMS]

[78 FR 7165, Jan. 31, 2013, as amended at 80 FR 72808, Nov. 20, 2015]

§63.7520 What stack tests and procedures must I use?

(a) – (f) [N/A – PERFORMANCE TESTING NOT REQUIRED]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7166, Jan. 31, 2013]

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§63.7521 What fuel analyses, fuel specification, and procedures must I use?

(a) – (i) [N/A – FUEL ANALYSIS NOT REQUIRED SINCE THERE ARE NO EMISSION LIMITS]

[78 FR 7167, Jan. 31, 2013, as amended at 80 FR 72808, Nov. 20, 2015]

§63.7522 Can I use emissions averaging to comply with this subpart?

(a) – (k) [N/A – NO EMISSION LIMITS]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7168, Jan. 31, 2013; 80 FR 72809, Nov. 20, 2015]

§63.7525 What are my monitoring, installation, operation, and maintenance requirements?

(a) [N/A – NO EMISSION LIMITS]

(b) [N/A – NO EMISSION LIMITS]

(c) [N/A – NO OPACITY OPERATING LIMIT]

(d) [N/A – NO CMS REQUIRED]

(e) [N/A – NO FLOW MONITORING SYSTEM REQUIRED]

(f) [N/A – NO PRESSURE MONITORING SYSTEM REQUIRED]

(g) [N/A – NO pH MONITORING SYSTEM REQUIRED]

(h) [N/A – NO ESP]

(i) [N/A – NO SORBENT INJECTION RATE MONITORING SYSTEM REQUIRED]

(j) [N/A – NO FABRIC FILTER BAG LEAK DETECTION SYSTEM]

(k) [N/A - UNIT IS NOT A LIMITED-USE BOILER]

(l) [N/A – NO EMISSION LIMITS]

(m) [N/A – NO EMISSION LIMITS]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7171, Jan. 31, 2013; 80 FR 72810, Nov. 20, 2015]

§63.7530 How do I demonstrate initial compliance with the emission limitations, fuel specifications and work practice standards?

(a) [N/A – NO EMISSION LIMITS]

(b) [N/A – NO EMISSION LIMITS]

(c) [N/A – NO EMISSION LIMITS]

(d) [Reserved]

(e) You must include with the Notification of Compliance Status a signed certification that either the energy assessment was completed according to Table 3 to this subpart, and that the assessment is an accurate depiction of your facility at the time of the assessment, or that the maximum number of on-site technical hours specified in the definition of energy assessment applicable to the facility has been expended.

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(f) You must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in §63.7545(e).

(g) [N/A – UNIT DOES NOT BURN “OTHER GAS 1 FUEL” AS DEFINED AT §63.7575]

(h) [N/A – NO EMISSION LIMITS]

(i) [N/A – NO SO2 CEMS]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7174, Jan. 31, 2013; 80 FR 72811, Nov. 20, 2015]

§63.7533 Can I use efficiency credits earned from implementation of energy conservation measures to comply with this subpart?

(a) – (g) [N/A – NO EMISSION LIMITS]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7178, Jan. 31, 2013; 80 FR 72812, Nov. 20, 2015]

Continuous Compliance Requirements

§63.7535 Is there a minimum amount of monitoring data I must obtain?

(a) - (d) [N/A – NO CMS REQUIRED]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7179, Jan. 31, 2013; 80 FR 72812, Nov. 20, 2015]

§63.7540 How do I demonstrate continuous compliance with the emission limitations, fuel specifications and work practice standards?

(a) You must demonstrate continuous compliance with each emission limit in Tables 1 and 2 or 11 through 13 to this subpart, the work practice standards in Table 3 to this subpart, and the operating limits in Table 4 to this subpart that applies to you according to the methods specified in Table 8 to this subpart and paragraphs (a)(1) through (19) of this section. [NOTE: OF THESE TABLES, ONLY TABLE 3 APPLIES TO THE GROUP 008 BOILER]

(1) [N/A – NO EMISSION/OPERATING LIMITS]

(2) [N/A – NO EMISSION LIMITS]

(3) [N/A – NO EMISSION LIMITS]

(4) [N/A – NO EMISSION LIMITS]

(5) [N/A – NO EMISSION LIMITS]

(6) [N/A – NO EMISSION LIMITS]

(7) [N/A – NO FABRIC FILTER BAG LEAK DETECTION SYSTEM]

(8) [N/A – NO EMISSION LIMITS]

(9) [N/A – NO PM CPMS/CEMS]

(10) If your boiler or process heater has a heat input capacity of 10 million BTU per hour or greater, you must conduct an annual tune-up of the boiler or process heater to demonstrate continuous compliance as specified in paragraphs (a)(10)(i) through (vi) of this section. You must conduct the tune-up while burning the type of fuel (or fuels in case of units that routinely burn a mixture) that provided the majority of the heat input to the boiler or process heater over the 12 months prior to the tune-up. This frequency does not apply to limited-use boilers and process heaters, as defined in §63.7575, or units

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with continuous oxygen trim systems that maintain an optimum air to fuel ratio. [NOTE: UNIT HAS A HEAT INPUT CAPACITY OF LESS THAN 10 mmBTU/hr]

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may perform the burner inspection any time prior to the tune-up or 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;

(ii) 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;

(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you 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;

(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;

(v) Measure the concentrations 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 on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

(vi) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section.

(A) The concentrations of CO in the effluent stream in parts per million by volume (ppmv), 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;

(B) A description of any corrective actions taken as a part of the tune-up; and

(C) 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.

(11) If your boiler or process heater has a heat input capacity of less than 10 million BTU per hour (except as specified in paragraph (a)(12) of this section), you must conduct a biennial tune-up of the boiler or process heater as specified in paragraphs (a)(10)(i) through (vi) of this section to demonstrate continuous compliance.

(12) N/A - UNIT DOES NOT HAVE A CONTINUOUS OXYGEN TRIM SYSTEM OR A HEAT INPUT CAPACITY OF LESS THAN OR EQUAL TO 5 mmBTU/hr]

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

(14) [N/A – NO EMISSION LIMITS]

(15) [N/A – NO EMISSION LIMITS]

(16) [N/A – NO EMISSION LIMITS]

(17) [N/A – NO EMISSION LIMITS]

(18) [N/A – NO EMISSION LIMITS]

(19) [N/A – NO EMISSION LIMITS]

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(b) You must report each instance in which you did not meet each emission limit and operating limit in Tables 1 through 4 or 11 through 13 to this subpart that apply to you. These instances are deviations from the emission limits or operating limits, respectively, in this subpart. These deviations must be reported according to the requirements in § 63.7550.

(c) [N/A – NO EMISSION LIMITS]

(d) [N/A – NO EMISSION LIMITS]

[78 FR 7179, Jan. 31, 2013, as amended at 80 FR 72813, Nov. 20, 2015]

§63.7541 How do I demonstrate continuous compliance under the emissions averaging provision?

(a) – (b) [N/A – NO EMISSION LIMITS]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7182, Jan. 31, 2013]

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.

What notifications must I submit and when?

Notification, Reports, and Records

§63.7545 What notifications must I submit and when?

(a) You must submit to the Administrator all of the notifications in §§63.7(b) and (c), 63.8(e), (f)(4) and (6), and 63.9(b) through (h) that apply to you by the dates specified.

(b) As specified in §63.9(b)(2), if you startup your affected source before January 31, 2013, you must submit an Initial Notification not later than 120 days after January 31, 2013. [NOTE: PURSUANT TO §63.7545(b) AND §63.9(b)(2), THE INITIAL NOTIFICATION WAS REQUIRED TO HAVE BEEN SUBMITTED NO LATER THAN MARCH 30, 2017; THE PERMITTEE SUBMITTED THE INITIAL NOTIFICATION TO U.S. EPA AND DEP VIA A LETTER DATED MAY 22, 2018 (RECEIVED BY DEP ON MAY 25, 2018)]

SPECIAL NOTE:

§63.9(b)(2) states:

§63.9(b)(2) The owner or operator of an affected source that has an initial startup before the effective date of a relevant standard under this part (i.e., 40 CFR Part 63) shall notify the Administrator in writing that the source is subject to the relevant standard. The notification, which shall be submitted not later than 120 calendar days after the effective date of the relevant standard (or within 120 calendar days after the source becomes subject to the relevant standard), shall provide the following information:

- (i) The name and address of the owner or operator;
- (ii) The address (i.e., physical location) of the affected source;
- (iii) An identification of the relevant standard, or other requirement, that is the basis of the notification and the source's compliance date;
- (iv) A brief description of the nature, size, design, and method of operation of the source and an identification of the types of emission points within the affected source subject to the relevant standard and types of hazardous air pollutants emitted; and
- (v) A statement of whether the affected source is a major source or an area source.

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 [NOTE: THE PERMITTEE SUBMITTED THE MACT SUBPART DDDDD INITIAL NOTIFICATION REQUIRED BY §§63.7545(b) AND §63.9(b)(2) TO U.S. EPA VIA A LETTER DATED 5/22/18; A COPY OF THE LETTER WAS RECEIVED BY THE DEPARTMENT ON 5/25/18]

(c) [N/A - NOT A NEW UNIT]

(d) [N/A – PERFORMANCE TESTING NOT REQUIRED]

(e) If you are required to conduct an initial compliance demonstration as specified in §63.7530, you must submit a Notification of Compliance Status according to §63.9(h)(2)(ii). For the initial compliance demonstration for each boiler or process heater, you must submit the Notification of Compliance Status, including all performance test results and fuel analyses, before the close of business on the 60th day following the completion of all performance test and/or other initial compliance demonstrations for all boiler or process heaters at the facility according to §63.10(d)(2). The Notification of Compliance Status report must contain all the information specified in paragraphs (e)(1) through (8) of this section, as applicable. If you are not required to conduct an initial compliance demonstration as specified in §63.7530(a), the Notification of Compliance Status must only contain the information specified in paragraphs (e)(1) and (8) of this section and must be submitted within 60 days of the compliance date specified at §63.7495(b). [NOTE: PURSUANT TO THE COMPLIANCE DATE (i.e., 11/30/19) SPECIFIED IN §63.7495(c)(2), THE NOTIFICATION OF COMPLIANCE STATUS FOR THE GROUP 008 BOILER MUST BE SUBMITTED NO LATER THAN 1/29/20]

(1) A description of the affected unit(s) including identification of which subcategories the unit is in, the design heat input capacity of the unit, a description of the add-on controls used on the unit to comply with this subpart, description of the fuel(s) burned, including whether the fuel(s) were a secondary material determined by you or the EPA through a petition process to be a non-waste under §241.3 of this chapter, whether the fuel(s) were a secondary material processed from discarded non-hazardous secondary materials within the meaning of §241.3 of this chapter, and justification for the selection of fuel(s) burned during the compliance demonstration.

(2) [N/A – PERFORMANCE TESTING/FUEL ANALYSIS NOT REQUIRED]

(3) [N/A – NO EMISSION LIMITS]

(4) [N/A – NO EMISSION LIMITS]

(5) [N/A – NO EMISSION LIMITS]

(6) [N/A - NOT REQUIRED TO CONDUCT AN INITIAL COMPLIANCE DEMONSTRATION AS SPECIFIED IN §63.7530(a); SEE §63.7545(e), ABOVE]

(7) [N/A - NOT REQUIRED TO CONDUCT AN INITIAL COMPLIANCE DEMONSTRATION AS SPECIFIED IN §63.7530(a); SEE §63.7545(e), ABOVE]

(8) In addition to the information required in §63.9(h)(2), your notification of compliance status must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

(i) "This facility completed the required initial tune-up for all of the boilers and process heaters covered by 40 CFR part 63 subpart DDDDD at this site according to the procedures in §63.7540(a)(10)(i) through (vi)."

(ii) "This facility has had an energy assessment performed according to §63.7530(e)."

(iii) Except for units that burn only natural gas, refinery gas, or other gas 1 fuel, or units that qualify for a statutory exemption as provided in Section 129(g)(1) of the Clean Air Act, include the following: "No secondary materials that are solid waste were combusted in any affected unit."

(f) If you operate a unit designed to burn natural gas, refinery gas, or other gas 1 fuels that is subject to this subpart, and you intend to use a fuel other than natural gas, refinery gas, gaseous fuel subject to another subpart of this part, part 60, 61, or



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65, or other gas 1 fuel to fire the affected unit during a period of natural gas curtailment or supply interruption, as defined in §63.7575, you must submit a notification of alternative fuel use within 48 hours of the declaration of each period of natural gas curtailment or supply interruption, as defined in §63.7575. The notification must include the information specified in paragraphs (f)(1) through (5) of this section.

- (1) Company name and address.
- (2) Identification of the affected unit.
- (3) Reason you are unable to use natural gas or equivalent fuel, including the date when the natural gas curtailment was declared or the natural gas supply interruption began.
- (4) Type of alternative fuel that you intend to use.
- (5) Dates when the alternative fuel use is expected to begin and end.

(g) [N/A – UNIT DOES NOT BURN SOLID WASTE]

(h) If you have switched fuels or made a physical change to the boiler or process heater and the fuel switch or physical change resulted in the applicability of a different subcategory, you must provide notice of the date upon which you switched fuels or made the physical change within 30 days of the switch/change. The notification must identify:

- (1) The name of the owner or operator of the affected source, as defined in §63.7490, the location of the source, the boiler(s) and process heater(s) that have switched fuels, were physically changed, and the date of the notice.
- (2) The currently applicable subcategory under this subpart.
- (3) The date upon which the fuel switch or physical change occurred.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7183, Jan. 31, 2013; 80 FR 72814, Nov. 20, 2015]

§63.7550 What reports must I submit and when?

(a) You must submit each report in Table 9 to this subpart that applies to you.

TABLE 9 REQUIREMENTS

As stated in §63.7550, you must comply with the following requirements for reports:

You must submit a compliance report. The report must contain

- a. Information required in §63.7550(c)(1) through (5); and
- b. [N/A – NO EMISSION/OPERATING LIMITS & NO STARTUP/SHUTDOWN WORK PRACTICE STANDARDS]; and
- c. [N/A – NO EMISSION/OPERATING LIMITS & NO STARTUP/SHUTDOWN WORK PRACTICE STANDARDS]; and
- d. [N/A – NO EMISSION/OPERATING LIMITS]

You must submit the report semiannually, annually, biennially, or every 5 years according to the requirements in §63.7550(b).

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7205, Jan. 31, 2013; 80 FR 72830, Nov. 20, 2015]

END OF TABLE 9 REQUIREMENTS

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(b) Unless the EPA Administrator has approved a different schedule for submission of reports under §63.10(a), you must submit each report, according to paragraph (h) of this section, by the date in Table 9 to this subpart and according to the requirements in paragraphs (b)(1) through (4) of this section. For units that are subject only to a requirement to conduct subsequent annual, biennial, or 5-year tune-ups according to §63.7540(a)(10), (11), or (12), respectively, and not subject to emission limits or Table 4 operating limits, you may submit only an annual, biennial, or 5-year compliance report, as applicable, as specified in paragraphs (b)(1) through (4) of this section, instead of a semi-annual compliance report. [NOTE: A BIENNIAL COMPLIANCE REPORT SUBMISSION IS REQUIRED FOR THE GROUP 008 BOILER]

(1) The first semi-annual compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in §63.7495 and ending on June 30 or December 31, whichever date is the first date that occurs at least 180 days after the compliance date that is specified for your source in §63.7495. If submitting an annual, biennial, or 5-year compliance report, the first compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in §63.7495 and ending on December 31 within 1, 2, or 5 years, as applicable, after the compliance date that is specified for your source in §63.7495. [NOTE: THE FIRST COMPLIANCE REPORT MUST COVER THE PERIOD OF 11/30/19 THROUGH 12/31/20]

(2) The first semi-annual compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in §63.7495. The first annual, biennial, or 5-year compliance report must be postmarked or submitted no later than January 31. [NOTE: THE FIRST COMPLIANCE REPORT MUST BE POSTMARKED OR SUBMITTED NO LATER THAN 1/31/21]

(3) Each subsequent semi-annual 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. Annual, biennial, and 5-year compliance reports must cover the applicable 1-, 2-, or 5-year periods from January 1 to December 31. [NOTE: A SUBSEQUENT BIENNIAL COMPLIANCE REPORT SUBMISSION IS REQUIRED FOR THE GROUP 008 BOILER]

(4) Each subsequent semi-annual compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the semi-annual reporting period. Annual, biennial, and 5-year compliance reports must be postmarked or submitted no later than January 31.

(5) For each affected source that is subject to permitting regulations pursuant to Part 70 or Part 71 of this chapter (i.e., Chapter I), and if the permitting authority has established dates for submitting semi-annual reports pursuant to 40 CFR §70.6(a)(3)(iii)(A) or 40 CFR §71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the permitting authority has established in the permit instead of according to the dates in paragraphs (b)(1) through (4) of this section.

(c) A compliance report must contain the following information depending on how the facility chooses to comply with the limits set in this rule.

(1) If the facility is subject to the requirements of a tune-up you must submit a compliance report with the information in paragraphs (c)(5)(i) through (iii) of this section, (xiv) and (xvii) of this section, and paragraph (c)(5)(iv) of this section for limited-use boiler or process heater.

(2) [N/A – FUEL ANALYSES NOT REQUIRED]

(3) [N/A – NO EMISSION LIMITS]

(4) [N/A – NO EMISSION LIMITS]

(5)(i) Company and Facility name and address.

(ii) Process unit information, emissions limitations, and operating parameter limitations.

(iii) Date of report and beginning and ending dates of the reporting period.

**SECTION E. Source Group Restrictions.**

(iv) The total operating time during the reporting period.

(v) – (xii) [N/A – NO EMISSION LIMITS]

(xiv) Include the date of the most recent tune-up for each unit subject to only the requirement to conduct an annual, biennial, or 5-year tune-up according to §63.7540(a)(10), (11), or (12) respectively. Include the date of the most recent burner inspection if it was not done annually, biennially, or on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.

(xv) – (xvi) [N/A – NO EMISSION LIMITS]

(xvii) 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.

(xviii) [N/A – NO EMISSION LIMITS]

(d) [N/A – NO EMISSION/OPERATING LIMITS]

(e) [N/A – NO EMISSION/OPERATING LIMITS]

(f) - (g) [Reserved]

(h) You must submit the reports according to the procedures specified in paragraphs (h)(1) through (3) of this section.

(1) [N/A – NO EMISSION LIMITS]

(2) [N/A – NO EMISSION LIMITS]

(3) You must submit all reports required by Table 9 of this subpart electronically to the EPA via the CEDRI. CEDRI can be accessed through the EPA's CDX. You must use the appropriate electronic report in CEDRI for this subpart. Instead of using the electronic report in CEDRI for this subpart, you 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 this subpart is not available in CEDRI at the time that the report is due, you must submit the report to the Administrator at the appropriate address listed in §63.13. You must begin submitting reports via CEDRI no later than 90 days after the form becomes available in CEDRI.

[78 FR 7183, Jan. 31, 2013, as amended at 80 FR 72814, Nov. 20, 2015]

§63.7555 What records must I keep?

(a) You must keep records according to paragraphs (a)(1) through (3) of this section.

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that you submitted, according to the requirements in §63.10(b)(2)(xiv).

(2) Records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in §63.10(b)(2)(viii).

(3) [N/A - UNIT IS NOT A LIMITED-USE BOILER]

(b) [N/A – NO EMISSION LIMITS/CEMS/COMS/CMS]

(c) [N/A – NO EMISSION LIMITS]

(d) [N/A – NO EMISSION LIMITS]

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(e) [N/A – NO EMISSION LIMITS]

(f) [N/A – NO EMISSION LIMITS]

(g) [N/A – NO EMISSION LIMITS]

(h) If you operate a unit in the unit designed to burn gas 1 subcategory that is subject to this subpart, and you use an alternative fuel other than natural gas, refinery gas, gaseous fuel subject to another subpart under this part, other gas 1 fuel, or gaseous fuel subject to another subpart of this part or part 60, 61, or 65, you must keep records of the total hours per calendar year that alternative fuel is burned and the total hours per calendar year that the unit operated during periods of gas curtailment or gas supply emergencies.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7185, Jan. 31, 2013; 80 FR 72816, Nov. 20, 2015]

§63.7560 In what form and how long must I keep my records?

(a) Your records must be in a form suitable and readily available for expeditious review, according to § 63.10(b)(1).

(b) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record on-site, or they must be accessible from on-site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records off-site for the remaining 3 years.

Other Requirements and Information

§63.7565 What parts of the General Provisions apply to me?

Table 10 to this subpart shows which parts of the General Provisions in §§63.1 through 63.15 apply to you.

§63.7575 What definitions apply to this subpart?

Terms used in 40 CFR Part 63, Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters, as well as Section E, Group 008, are defined in the Clean Air Act (CAA); in §63.2 (General Provisions); and in §63.7575.

[78 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013; 80 FR 72817, Nov. 20, 2015]

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: 009

Group Description: SOURCES SUBJECT TO MACT SUBPART VVV

Sources included in this group

ID	Name
101	FIBERGLASS LAY-UP OPERATION
102	CLEANUP SOLVENT
103	RESIN TRANSFER MOLDING AREA
104	GEL COAT SPRAY BOOTH
105	VACUUM INFUSION PROCESS
301	TELENE REACTION INJECTION MOLDING PROCESS

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.**# 001 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

In the event that 40 CFR Part 63, Subpart VVV - National Emissions Standards for Hazardous Air Pollutants for Boat Manufacturing (MACT Subpart VVV) is revised, the permittee shall comply with the revised version of MACT Subpart VVV, and shall not be required to comply with any provisions in this operating permit designated as having MACT Subpart VVV as their authority, to the extent that such operating permit provisions would be inconsistent with the applicable provisions of the revised MACT Subpart VVV.

002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1]**Subpart A--General Provisions****Applicability.**

The Group 009 sources are subject to 40 CFR Part 63, Subpart VVV - National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing. The permittee shall comply with all applicable standards, compliance provisions, performance test, monitoring, recordkeeping, and reporting requirements contained at 40 CFR §§63.5680 through 63.5779, including all applicable portions of 40 CFR Part 63, Subpart A - General Provisions. The permittee shall comply with 40 CFR §63.13(a), which requires submission of copies of all requests, reports, applications, submittals, and other communications to both the U.S. Environmental Protection Agency (U.S. EPA) and the Department. The U.S. EPA copies

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shall be forwarded to:

Director
Air Protection Division
U.S. EPA, Region III (3AP00)
1650 Arch Street
Philadelphia, PA 19103-2029

The Department copies shall be forwarded to:

Regional Air Program Manager
PA Department of Environmental Protection
909 Elmerton Avenue
Harrisburg, PA 17110-8200

003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5683]

Subpart VVVV -- National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing

Does this subpart apply to me?

What the Subpart Covers

§63.5680 What is the purpose of this subpart?

(a) This subpart establishes national emission standards for hazardous air pollutants (HAP) for new and existing boat manufacturing facilities with resin and gel coat operations, carpet and fabric adhesive operations, or aluminum recreational boat surface coating operations. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission standards.

§63.5683 Does this subpart apply to me?

(a) This subpart applies to you if you meet both of the criteria listed in paragraphs (a)(1) and (2) of this section.

(1) You are the owner or operator of a boat manufacturing facility that builds fiberglass boats or aluminum recreational boats.

(2) Your boat manufacturing facility is a major source of HAP either in and of itself, or because it is collocated with other sources of HAP, such that all sources combined constitute a major source.

(b) A boat manufacturing facility is a facility that manufactures hulls or decks of boats from fiberglass or aluminum, or assembles boats from premanufactured hulls and decks, or builds molds to make fiberglass hulls or decks. A facility that manufactures only parts of boats (such as hatches, seats, or lockers) or boat trailers is not considered a boat manufacturing facility for the purpose of this subpart.

(c) A major source is any stationary source or group of stationary sources located within a contiguous area and under common control that emits or can potentially emit, considering controls, in the aggregate, 9.1 megagrams (10 tons) or more per year of a single HAP or 22.7 megagrams (25 tons) or more per year of a combination of HAP.

(d) This subpart does not apply to aluminum coating operations on aluminum boats intended for commercial or military (nonrecreational) use, antifoulant coatings, assembly adhesives, fiberglass hull and deck coatings, research and development activities, mold sealing and release agents, mold stripping and cleaning solvents, and wood coatings as defined in §63.5779. This subpart does not apply to materials contained in hand-held aerosol cans.

§63.5686 How do I demonstrate that my facility is not a major source?

You can demonstrate that your facility is not a major source by using the procedures in either paragraph (a) or (b) of this section.

(a) Emission option. You must demonstrate that your facility does not emit, and does not have the potential to emit as

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defined in §63.2, considering federally enforceable permit limits, 9.1 megagrams (10 tons) or more per year of a single HAP or 22.7 megagrams (25 tons) or more per year of a combination of HAP. To calculate your facility's potential to emit, you must include emissions from the boat manufacturing facility and all other sources that are collocated and under common ownership or control with the boat manufacturing facility.

(b) Material consumption option. This option can be used if you manufacture either fiberglass boats or aluminum recreational boats at your facility. You must meet the criteria in paragraph (b)(1), (2), or (3) of this section and comply with the requirements in paragraph (c) of this section. If you initially rely on the limits and criteria specified in paragraph (b)(1), (2), or (3) of this section to become an area source, but then exceed the relevant limit (without first obtaining and complying with other limits that keep your potential to emit HAP below major source levels), your facility will then become a major source, and you must comply with all applicable provisions of this subpart beginning on the compliance date specified in §63.5695. Nothing in this paragraph is intended to preclude you from limiting your facility's potential to emit through other federally enforceable mechanisms available through your permitting authority.

(1) If your facility is primarily a fiberglass boat manufacturing facility, you must demonstrate that you consume less than 45.4 megagrams per rolling 12-month period of all combined polyester-and vinyl-ester-based resins and gel coats (including tooling and production resins and gel coats, and clear gel coats), and you must demonstrate that at least 90 percent of total annual HAP emissions at the facility (including emissions from aluminum recreational boat manufacturing or other source categories) originate from the fiberglass boat manufacturing materials.

(2) If your facility is primarily an aluminum recreational boat manufacturing facility, you must demonstrate that it consumes less than 18.2 megagrams per rolling 12-month period of all combined surface coatings, aluminum wipedown solvents, application gun cleaning solvents, and carpet and fabric adhesives; and you must demonstrate that at least 90 percent of total annual HAP emissions at the facility (including emissions from fiberglass boat manufacturing or other source categories) originate from the aluminum recreational boat manufacturing materials.

(3) If your facility is a fiberglass boat or an aluminum recreational boat manufacturing facility, you must demonstrate that the boat manufacturing materials consumed per rolling 12-month period contain a total of less than 4.6 megagrams of any single HAP and less than 11.4 megagrams of all combined HAP, and you must demonstrate that at least 90 percent of total annual HAP emissions at the facility (including emissions from other source categories) originate from these boat manufacturing materials.

(c) If you use the material consumption option described in paragraph (b) of this section to demonstrate that you are not a major source, you must comply with the requirements of paragraphs (c)(1) through (3) of this section.

(1) If your facility has HAP emissions that do not originate from boat manufacturing operations or materials described in paragraph (b), then you must keep any records necessary to demonstrate that the 90 percent criterion is met.

(2) A rolling 12-month period includes the previous 12 months of operation. You must maintain records of the total amount of materials described in paragraph (b) of this section used each month, and, if necessary, the HAP content of each material and the calculation of the total HAP consumed each month. Because records are needed for a 12-month period, you must keep records beginning no later than 12 months before the compliance date specified in §63.5695. Records must be kept for 5 years after they are created.

(3) In determining whether the 90 percent criterion included in paragraph (b) of this section is met, you do not need to include materials used in routine janitorial, building, or facility grounds maintenance; personal uses by employees or other persons; or products used for maintaining motor vehicles operated by the facility.

[NOTE: AS OF THE ISSUANCE DATE OF THIS OPERATING PERMIT, THE FACILITY IS DEFINED AS A MAJOR SOURCE OF HAP]

§63.5689 What parts of my facility are covered by this subpart?

The affected source (the portion of your boat manufacturing facility covered by this subpart) is the combination of all of the boat manufacturing operations listed in paragraphs (a) through (f) of this section.

(a) Open molding resin and gel coat operations (including pigmented gel coat, clear gel coat, production resin, tooling gel



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coat, and tooling resin).

(b) Closed molding resin operations.

(c) Resin and gel coat mixing operations.

(d) Resin and gel coat application equipment cleaning operations.

(e) Carpet and fabric adhesive operations.

(f) Aluminum hull and deck coating operations, including solvent wipedown operations and paint spray gun cleaning operations, on aluminum recreational boats.

§63.5692 How do I know if my boat manufacturing facility is a new source or an existing source?

(a) A boat manufacturing facility is a new source if it meets the criteria in paragraphs (a)(1) through (3) of this section.

(1) You commence construction of the affected source after July 14, 2000.

(2) It is a major source.

(3) It is a completely new boat manufacturing affected source where no other boat manufacturing affected source existed prior to the construction of the new source.

(b) For the purposes of this subpart, an existing source is any source that is not a new source. [NOTE: THE FACILITY IS DEFINED AS AN EXISTING AFFECTED SOURCE]

§63.5695 When must I comply with this subpart?

You must comply with the standards in this subpart by the compliance dates specified in Table 1 to this subpart.

TABLE 1 REQUIREMENTS

As specified in §63.5695, you must comply by the dates in the following table:

1. [N/A - THE FACILITY WAS NOT A MAJOR SOURCE* ON OR BEFORE 8/22/01]
2. If your facility is an existing or new area source and becomes a major source* after August 22, 2001, then you must comply no later than 1 year after becoming a major source or August 22, 2002, whichever is later. [NOTE: THE FACILITY BECAME A MAJOR SOURCE ON 11/30/16; THEREFORE, THE RELEVANT COMPLIANCE DATE FOR THE GROUP 009 SOURCES WAS 11/30/17]
3. [N/A - THE FACILITY IS DEFINED AS AN EXISTING AFFECTED SOURCE]

* Your facility is a major source if it is a stationary source or group of stationary sources located within a contiguous area and under common control that emits or can potentially emit, considering controls, in the aggregate, 9.1 megagrams (10 tons) or more per year of a single hazardous air pollutant or 22.7 megagrams (25 tons) or more per year of a combination of hazardous air pollutants.

END OF TABLE 1 REQUIREMENTS

**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5698]
Subpart VVVV -- National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing
Standard for Open Molding Resin and Gel Coat Operations**

**SECTION E. Source Group Restrictions.**

Standards for Open Molding Resin and Gel Coat Operations

§63.5698 What emission limit must I meet for open molding resin and gel coat operations?

(a) You must limit organic HAP emissions from the five open molding operations listed in paragraphs (a)(1) through (5) of this section to the emission limit specified in paragraph (b) of this section. Operations listed in paragraph (d) are exempt from this limit.

(1) Production resin.

(2) Pigmented gel coat.

(3) Clear gel coat.

(4) Tooling resin.

(5) Tooling gel coat.

(b) You must limit organic HAP emissions from open molding operations to the limit specified by Equation 1 of this section, based on a 12-month rolling average.

$$\text{HAP Limit} = [46(\text{Mr}) + 159(\text{Mpg}) + 291(\text{Mcg}) + 54(\text{Mtr}) + 214(\text{Mtg})] \quad \{\text{Equation 1}\}$$

Where:

HAP Limit = total allowable organic HAP that can be emitted from the open molding operations (kilograms);

Mr = mass of production resin used in the past 12 months, excluding any materials exempt under paragraph (d) of this section (megagrams);

Mpg = mass of pigmented gel coat used in the past 12 months, excluding any materials exempt under paragraph (d) of this section (megagrams);

Mcg = mass of clear gel coat used in the past 12 months, excluding any materials exempt under paragraph (d) of this section (megagrams);

Mtr = mass of tooling resin used in the past 12 months, excluding any materials exempt under paragraph (d) of this section (megagrams); and

Mtg = mass of tooling gel coat used in the past 12 months, excluding any materials exempt under paragraph (d) of this section (megagrams).

(c) The open molding emission limit is the same for both new and existing sources.

(d) The materials specified in paragraphs (d)(1) through (3) of this section are exempt from the open molding emission limit specified in paragraph (b) of this section.

(1) Production resins (including skin coat resins) that must meet specifications for use in military vessels or must be approved by the U.S. Coast Guard for use in the construction of lifeboats, rescue boats, and other life-saving appliances approved under 46 CFR Subchapter Q or the construction of small passenger vessels regulated by 46 CFR Subchapter T. Production resins for which this exemption is used must be applied with non-atomizing (non-spray) resin application equipment. You must keep a record of the resins for which you are using this exemption.

(2) Pigmented, clear, and tooling gel coat used for part or mold repair and touch up. The total gel coat materials included in this exemption must not exceed 1 percent by weight of all gel coat used at your facility on a 12-month rolling-average basis. You must keep a record of the amount of gel coats used per month for which you are using this exemption and copies of calculations showing that the exempt amount does not exceed 1 percent of all gel coat used.



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(3) Pure, 100 percent vinyl ester resin used for skin coats. This exemption does not apply to blends of vinyl ester and polyester resins used for skin coats. The total resin materials included in the exemption cannot exceed 5 percent by weight of all resin used at your facility on a 12-month rolling-average basis. You must keep a record of the amount of 100 percent vinyl ester skin coat resin used per month that is eligible for this exemption and copies of calculations showing that the exempt amount does not exceed 5 percent of all resin used.

§63.5701 What are my options for complying with the open molding emission limit?

You must use one or more of the options listed in paragraphs (a) through (c) of this section to meet the emission limit in §63.5698 for the resins and gel coats used in open molding operations at your facility.

(a) Maximum achievable control technology (MACT) model point value averaging (emissions averaging) option.

(1) Demonstrate that emissions from the open molding resin and gel coat operations that you average meet the emission limit in §63.5698 using the procedures described in §63.5710. Compliance with this option is based on a 12-month rolling average.

(2) Those operations and materials not included in the emissions average must comply with either paragraph (b) or (c) of this section.

(b) Compliant materials option. Demonstrate compliance by using resins and gel coats that meet the organic HAP content requirements in Table 2 to this subpart. Compliance with this option is based on a 12-month rolling average.

TABLE 2 REQUIREMENTS

As specified in §§63.5701(b), 63.5704(b)(2), and 63.5713(a), (b), and (d), you must comply with the requirements in the following table:

- 1. For production resin operations using an atomized (spray) application method, you must not exceed this weighted-average organic HAP content (weight percent) requirement: 28%
- 2. For production resin operations using a non-atomized (non-spray) application method, you must not exceed this weighted-average organic HAP content (weight percent) requirement: 35%
- 3. For pigmented gel coat operations using any application method, you must not exceed this weighted-average organic HAP content (weight percent) requirement: 33%
- 4. For clear gel coat operations using application method, you must not exceed this weighted-average organic HAP content (weight percent) requirement: 48%
- 5. For tooling resin operations using an atomized (spray) application method, you must not exceed this weighted-average organic HAP content (weight percent) requirement: 30%
- 6. For tooling resin operations using a non-atomized (non-spray) application method, you must not exceed this weighted-average organic HAP content (weight percent) requirement: 39%
- 7. For tooling gel coat operations application method, you must not exceed this weighted-average organic HAP content (weight percent) requirement: 40%

END OF TABLE 2 REQUIREMENTS

(c) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART WWW]

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§63.5704 What are the general requirements for complying with the open molding emission limit?

(a) Emissions averaging option. For those open molding operations and materials complying using the emissions averaging option, you must demonstrate compliance by performing the steps in paragraphs (a)(1) through (5) of this section.

(1) Use the methods specified in §63.5758 to determine the organic HAP content of resins and gel coats.

(2) Complete the calculations described in §63.5710 to show that the organic HAP emissions do not exceed the limit specified in §63.5698.

(3) Keep records as specified in paragraphs (a)(3)(i) through (iv) of this section for each resin and gel coat.

(i) Hazardous air pollutant content.

(ii) Amount of material used per month.

(iii) Application method used for production resin and tooling resin. This record is not required if all production resins and tooling resins are applied with non-atomized technology.

(iv) Calculations performed to demonstrate compliance based on MACT model point values, as described in §63.5710.

(4) Prepare and submit the implementation plan described in §63.5707 to the Administrator and keep it up-to-date.

(5) Submit semi-annual compliance reports to the Administrator as specified in §63.5764.

(b) Compliant materials option. For each open molding operation complying using the compliant materials option, you must demonstrate compliance by performing the steps in paragraphs (b)(1) through (4) of this section.

(1) Use the methods specified in §63.5758 to determine the organic HAP content of resins and gel coats.

(2) Complete the calculations described in §63.5713 to show that the weighted-average organic HAP content does not exceed the limit specified in Table 2 to this subpart.

(3) Keep records as specified in paragraphs (b)(3)(i) through (iv) of this section for each resin and gel coat.

(i) Hazardous air pollutant content.

(ii) Application method for production resin and tooling resin. This record is not required if all production resins and tooling resins are applied with non-atomized technology.

(iii) Amount of material used per month. This record is not required for an operation if all materials used for that operation comply with the organic HAP content requirements.

(iv) Calculations performed, if required, to demonstrate compliance based on weighted-average organic HAP content as described in §63.5713.

(4) Submit semi-annual compliance reports to the Administrator as specified in §63.5764.

(c) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART WWW]

§63.5707 What is an implementation plan for open molding operations and when do I need to prepare one?

(a) You must prepare an implementation plan for all open molding operations for which you comply by using the emissions averaging option described in §63.5704(a).

(b) The implementation plan must describe the steps you will take to bring the open molding operations covered by this

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subpart into compliance. For each operation included in the emissions average, your implementation plan must include the elements listed in paragraphs (b)(1) through (3) of this section.

(1) A description of each operation included in the average.

(2) The maximum organic HAP content of the materials used, the application method used (if any atomized resin application methods are used in the average), and any other methods used to control emissions.

(3) Calculations showing that the operations covered by the plan will comply with the open molding emission limit specified in §63.5698.

(c) You must submit the implementation plan to the Administrator with the notification of compliance status specified in §63.5761.

(d) You must keep the implementation plan on-site and provide it to the Administrator when asked.

(e) If you revise the implementation plan, you must submit the revised plan with your next semi-annual compliance report specified in §63.5764.

§63.5710 How do I demonstrate compliance using emissions averaging?

(a) Compliance using the emissions averaging option is demonstrated on a 12-month rolling-average basis and is determined at the end of every month (12 times per year). The first 12-month rolling-average period begins on the compliance date specified in §63.5695. [NOTE: PURSUANT TO §63.5695 (TABLE 1 {NO. 2}), THE RELEVANT COMPLIANCE DATE FOR THE GROUP 009 SOURCES WAS 11/30/17]

(b) At the end of the twelfth month after your compliance date and at the end of every subsequent month, use Equation 1 of this section to demonstrate that the organic HAP emissions from those operations included in the average do not exceed the emission limit in §63.5698 calculated for the same 12-month period. Include terms in Equation 1 of §63.5698 and Equation 1 of this section for only those operations and materials included in the average.

$$\text{HAP Emissions} = [(PVr)(Mr) + (PVpg)(Mpg) + (PVcg)(Mcg) + (PVtr)(Mtr) + (PVtg)(Mtg)] \quad \{\text{Equation 1}\}$$

Where:

HAP Emissions = Organic HAP emissions calculated using MACT model point values for each operation included in the average (kilograms);

PVr = Weighted-average MACT model point value for production resin used in the past 12 months (kilograms per megagram);

Mr = Mass of production resin used in the past 12 months (megagrams);

PVpg = Weighted-average MACT model point value for pigmented gel coat used in the past 12 months (kilograms per megagram);

Mpg = Mass of pigmented gel coat used in the past 12 months (megagrams);

PVcg = Weighted-average MACT model point value for clear gel coat used in the past 12 months (kilograms per megagram);

Mcg = Mass of clear gel coat used in the past 12 months (megagrams);

PVtr = Weighted-average MACT model point value for tooling resin used in the past 12 months (kilograms per megagram);

Mtr = Mass of tooling resin used in the past 12 months (megagrams);

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PVtg = Weighted-average MACT model point value for tooling gel coat used in the past 12 months (kilograms per megagram); and

Mtg = Mass of tooling gel coat used in the past 12 months (megagrams).

(c) At the end of every month, use Equation 2 of this section to compute the weighted-average MACT model point value for each open molding resin and gel coat operation included in the average.

$$PVop = \frac{\sum_{i=1}^n (MiPVi)}{\sum_{i=1}^n (Mi)} \quad \text{\{Equation 2\}}$$

Where:

PVop = weighted-average MACT model point value for each open molding operation (Pvr, PVpg, PVcg, PVtr, and PVtg) included in the average (kilograms of HAP per megagram of material applied);

\sum = Symbol used to denote summation such that " $\sum_{i=1}^n Ai$ " means summation of values Ai for "i" ranging from 1 to the last value "n" where "n" is the number of non-zero values of " Ai ";

n = number of different open molding resins and gel coats used within an operation in the past 12 months;

Mi = mass of resin or gel coat i used within an operation in the past 12 months (megagrams);

PVi = the MACT model point value for resin or gel coat i used within an operation in the past 12 months (kilograms of HAP per megagram of material applied); and

The symbol "/" means "divided by".

(d) You must use the equations in Table 3 to this subpart to calculate the MACT model point value (PVi) for each resin and gel coat used in each operation in the past 12 months.

TABLE 3 REQUIREMENTS

As specified in §§63.5710(d) and 63.5714(a), you must calculate point values using the formulas in the following table (the symbol " \wedge " precedes an exponential value)*:

1.a. For production resin & tooling resin using an atomized (spray) application method, you must use this formula to calculate the MACT model plant value for each resin and gel coat: $0.014 \times (\text{Resin HAP}\%)^2.425$

1.b. For production resin & tooling resin using an atomized (spray), plus vacuum bagging with roll-out, application method, you must use this formula to calculate the MACT model plant value for each resin and gel coat: $0.01185 \times (\text{Resin HAP}\%)^2.425$

1.c. For production resin & tooling resin using an atomized (spray), plus vacuum bagging without roll-out, application method, you must use this formula to calculate the MACT model plant value for each resin and gel coat: $0.00945 \times (\text{Resin HAP}\%)^2.425$

1.d. For production resin & tooling resin using a non-atomized (non-spray) application method, you must use this formula to calculate the MACT model plant value for each resin and gel coat: $0.014 \times (\text{Resin HAP}\%)^2.275$

1.e. For production resin & tooling resin using a non-atomized (non-spray), plus vacuum bagging with roll-out, application method, you must use this formula to calculate the MACT model plant value for each resin and gel coat: $0.0110 \times (\text{Resin HAP}\%)^2.275$

1.f. For production resin & tooling resin using a non-atomized (non-spray), plus vacuum bagging without roll-out, application method, you must use this formula to calculate the MACT model plant value for each resin and gel coat: $0.0076 \times (\text{Resin HAP}\%)^2.275$

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HAP%)^{2.275}

2. For pigmented gel coat, clear gel coat & tooling gel coat using any application method, you must use this formula to calculate the MACT model plant value for each resin and gel coat: $0.445 \times (\text{Gel coat HAP}\%)^{1.675}$

* Equations calculate MACT model point value in kilograms of organic HAP per megagrams of resin or gel coat applied. The equations for vacuum bagging with roll-out are applicable when a facility rolls out the applied resin and fabric prior to applying the vacuum bagging materials. The equations for vacuum bagging without roll-out are applicable when a facility applies the vacuum bagging materials immediately after resin application without rolling out the resin and fabric. HAP% = organic HAP content as supplied, expressed as a weight-percent value between 0 and 100 percent.

[66 FR 44232, Aug. 22, 2001; 66 FR 50504, Oct. 3, 2001]

END OF TABLE 3 REQUIREMENTS

(e) If the organic HAP emissions, as calculated in paragraph (b) of this section, are less than the organic HAP limit calculated in §63.5698(b) for the same 12-month period, then you are in compliance with the emission limit in §63.5698 for those operations and materials included in the average.

[66 FR 44232, Aug. 22, 2001; 66 FR 50504, Oct. 3, 2001]

§63.5713 How do I demonstrate compliance using compliant materials?

(a) Compliance using the organic HAP content requirements listed in Table 2 to this subpart is based on a 12-month rolling average that is calculated at the end of every month. The first 12-month rolling-average period begins on the compliance date specified in §63.5695. If you are using filled material (production resin or tooling resin), you must comply according to the procedure described in §63.5714. [NOTE: PURSUANT TO §63.5695 (TABLE 1 {NO. 2}), THE RELEVANT COMPLIANCE DATE FOR THE GROUP 009 SOURCES WAS 11/30/17]

(b) At the end of the twelfth month after your compliance date and at the end of every subsequent month, review the organic HAP contents of the resins and gel coats used in the past 12 months in each operation. If all resins and gel coats used in an operation have organic HAP contents no greater than the applicable organic HAP content limits in Table 2 to this subpart, then you are in compliance with the emission limit specified in §63.5698 for that 12-month period for that operation. In addition, you do not need to complete the weighted-average organic HAP content calculation contained in paragraph (c) of this section for that operation.

(c) At the end of every month, you must use Equation 1 of this section to calculate the weighted-average organic HAP content for all resins and gel coats used in each operation in the past 12 months.

Weighted-Average HAP Content (%) = $\frac{\sum_{i=1}^n (M_i \text{HAP}_i)}{\sum_{i=1}^n (M_i)}$ {Equation 1}

Where:

\sum = Symbol used to denote summation such that " $\sum_{i=1}^n A_i$ " means summation of values A_i for "i" ranging from 1 to the last value "n" where "n" is the number of non-zero values of " A_i ";

M_i = mass of open molding resin or gel coat i used in the past 12 months in an operation (megagrams);

HAP_i = Organic HAP content, by weight percent, of open molding resin or gel coat i used in the past 12 months in an operation. Use the methods in §63.5758 to determine organic HAP content;

n = number of different open molding resins or gel coats used in the past 12 months in an operation; and

The symbol "/" means "divided by".

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(d) If the weighted-average organic HAP content does not exceed the applicable organic HAP content limit specified in Table 2 to this subpart, then you are in compliance with the emission limit specified in §63.5698.

§63.5714 How do I demonstrate compliance if I use filled resins?

(a) If you are using a filled production resin or filled tooling resin, you must demonstrate compliance for the filled material on an as-applied basis using Equation 1 of this section.

$$PV_f = PV_u \times [(100 - \% \text{ Filler}) / 100] \quad \{\text{Equation 1}\}$$

Where:

PV_f = The as-applied MACT model point value for a filled production resin or tooling resin (kilograms organic HAP per megagram of filled material);

PV_u = The MACT model point value for the neat (unfilled) resin, before filler is added, as calculated using the formulas in Table 3 to this subpart;

% Filler = The weight-percent of filler in the as-applied filled resin system;

The symbol "x" means "multiplied by"; and

The symbol "/" means "divided by".

(b) If the filled resin is used as a production resin and the value of PV_f calculated by Equation 1 of this section does not exceed 46 kilograms of organic HAP per megagram of filled resin applied, then the filled resin is in compliance.

(c) If the filled resin is used as a tooling resin and the value of PV_f calculated by Equation 1 of this section does not exceed 54 kilograms of organic HAP per megagram of filled resin applied, then the filled resin is in compliance.

(d) If you are including a filled resin in the emissions averaging procedure described in §63.5710, then use the value of PV_f calculated using Equation 1 of this section for the value of PV_i in Equation 2 of §63.5710.

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5731]

Subpart VVVV -- National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing Standards for Resin and Gel Coat Mixing Operations

Standards for Resin and Gel Coat Mixing Operations

§63.5731 What standards must I meet for resin and gel coat mixing operations?

(a) All resin and gel coat mixing containers with a capacity equal to or greater than 208 liters, including those used for on-site mixing of putties and polyputties, must have a cover with no visible gaps in place at all times.

(b) The work practice standard in paragraph (a) of this section does not apply when material is being manually added to or removed from a container, or when mixing or pumping equipment is being placed in or removed from a container.

(c) To demonstrate compliance with the work practice standard in paragraph (a) of this section, you must visually inspect all mixing containers subject to this standard at least once per month. The inspection should ensure that all containers have covers with no visible gaps between the cover and the container, or between the cover and equipment passing through the cover.

(d) You must keep records of which mixing containers are subject to this standard and the results of the inspections, including a description of any repairs or corrective actions taken.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5734]

Subpart VVVV -- National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing Standards for Resin and Gel Coat Application Equipment Cleaning Operations

Standards for Resin and Gel Coat Application Equipment Cleaning Operations

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§63.5734 What standards must I meet for resin and gel coat application equipment cleaning operations?

(a) For routine flushing of resin and gel coat application equipment (e.g., spray guns, flowcoaters, brushes, rollers, and squeegees), you must use a cleaning solvent that contains no more than 5 percent organic HAP by weight. For removing cured resin or gel coat from application equipment, no organic HAP content limit applies.

(b) You must store organic HAP-containing solvents used for removing cured resin or gel coat in containers with covers. The covers must have no visible gaps and must be in place at all times, except when equipment to be cleaned is placed in or removed from the container. On containers with a capacity greater than 7.6 liters, the distance from the top of the container to the solvent surface must be no less than 0.75 times the diameter of the container. Containers that store organic HAP-containing solvents used for removing cured resin or gel coat are exempt from the requirements of 40 CFR Part 63, Subpart T. Cured resin or gel coat means resin or gel coat that has changed from a liquid to a solid.

§63.5737 How do I demonstrate compliance with the resin and gel coat application equipment cleaning standards?

(a) Determine and record the organic HAP content of the cleaning solvents subject to the standards specified in §63.5734 using the methods specified in §63.5758.

(b) If you recycle cleaning solvents on-site, you may use documentation from the solvent manufacturer or supplier or a measurement of the organic HAP content of the cleaning solvent as originally obtained from the solvent supplier for demonstrating compliance, subject to the conditions in §63.5758 for demonstrating compliance with organic HAP content limits.

(c) At least once per month, you must visually inspect any containers holding organic HAP-containing solvents used for removing cured resin and gel coat to ensure that the containers have covers with no visible gaps. Keep records of the monthly inspections and any repairs made to the covers.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5758]

**Subpart VVVV -- National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing
Methods for Determining Hazardous Air Pollutant Content**

Methods for Determining Hazardous Air Pollutant Content

§63.5758 How do I determine the organic HAP content of materials?

(a) Determine the organic HAP content for each material used. To determine the organic HAP content for each material used in your open molding resin and gel coat operations, carpet and fabric adhesive operations, or aluminum recreational boat surface coating operations, you must use one of the options in paragraphs (a)(1) through (6) of this section.

(1) Method 311 (Appendix A to 40 CFR Part 63). You may use Method 311 for determining the mass fraction of organic HAP. Use the procedures specified in paragraphs (a)(1)(i) and (ii) of this section when determining organic HAP content by Method 311.

(i) Include in the organic HAP total each organic HAP that is measured to be present at 0.1 percent by mass or more for Occupational Safety and Health Administration (OSHA)-defined carcinogens as specified in 29 CFR §1910.1200(d)(4) and at 1.0 percent by mass or more for other compounds. For example, if toluene (not an OSHA-defined carcinogen) is measured to be 0.5 percent of the material by mass, you do not need to include it in the organic HAP total. Express the mass fraction of each organic HAP you measure as a value truncated to four places after the decimal point (e.g., 0.1234).

(ii) Calculate the total organic HAP content in the test material by adding up the individual organic HAP contents and truncating the result to three places after the decimal point (e.g., 0.123).

(2) [N/A - THE FACILITY DOES NOT HAVE ALUMINUM RECREATIONAL BOAT SURFACE COATING OPERATIONS]

(3) ASTM D1259-85 (Standard Test Method for Nonvolatile Content of Resins). You may use ASTM D1259-85 (available for purchase from ASTM) to measure the mass fraction of volatile matter of resins and gel coats for open molding operations and use that value as a substitute for mass fraction of organic HAP.



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(4) Alternative method. You may use an alternative test method for determining mass fraction of organic HAP if you obtain prior approval by the Administrator. You must follow the procedure in §63.7(f) to submit an alternative test method for approval.

(5) Information from the supplier or manufacturer of the material. You may rely on information other than that generated by the test methods specified in paragraphs (a)(1) through (4) of this section, such as manufacturer's formulation data, according to paragraphs (a)(5)(i) through (iii) of this section.

(i) Include in the organic HAP total each organic HAP that is present at 0.1 percent by mass or more for OSHA-defined carcinogens as specified in 29 CFR §1910.1200(d)(4) and at 1.0 percent by mass or more for other compounds. For example, if toluene (not an OSHA-defined carcinogen) is 0.5 percent of the material by mass, you do not have to include it in the organic HAP total.

(ii) If the organic HAP content is provided by the material supplier or manufacturer as a range, then you must use the upper limit of the range for determining compliance. If a separate measurement of the total organic HAP content using the methods specified in paragraphs (a)(1) through (4) of this section exceeds the upper limit of the range of the total organic HAP content provided by the material supplier or manufacturer, then you must use the measured organic HAP content to determine compliance.

(iii) If the organic HAP content is provided as a single value, you may assume the value is a manufacturing target value and actual organic HAP content may vary from the target value. If a separate measurement of the total organic HAP content using the methods specified in paragraphs (a)(1) through (4) of this section is less than 2 percentage points higher than the value for total organic HAP content provided by the material supplier or manufacturer, then you may use the provided value to demonstrate compliance. If the measured total organic HAP content exceeds the provided value by 2 percentage points or more, then you must use the measured organic HAP content to determine compliance.

(6) Solvent blends. Solvent blends may be listed as single components for some regulated materials in certifications provided by manufacturers or suppliers. Solvent blends may contain organic HAP which must be counted toward the total organic HAP content of the materials. When detailed organic HAP content data for solvent blends are not available, you may use the values for organic HAP content that are listed in Table 5 or 6 to this subpart. You may use Table 6 to this subpart only if the solvent blends in the materials you use do not match any of the solvent blends in Table 5 to this subpart and you know only whether the blend is either aliphatic or aromatic. However, if test results indicate higher values than those listed in Table 5 or 6 to this subpart, then the test results must be used for determining compliance. [NOTE: AS NECESSARY, PLEASE REFER TO TABLE 5 TO SUBPART VVV OF 40 CFR PART 63 - DEFAULT ORGANIC HAP CONTENTS OF SOLVENTS AND SOLVENT BLENDS & TABLE 6 TO SUBPART VVV OF PART 63 - DEFAULT ORGANIC HAP CONTENTS OF PETROLEUM SOLVENT GROUPS]

(b) [N/A - THE FACILITY DOES NOT HAVE ALUMINUM RECREATIONAL BOAT SURFACE COATING OPERATIONS]

(c) [N/A - THE FACILITY DOES NOT HAVE ALUMINUM RECREATIONAL BOAT WIPEDOWN SOLVENT OR SURFACE COATING OPERATIONS]

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5761]
Subpart VVVV -- National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing
Notifications, Reports, and Records**

Notifications, Reports, and Records

§63.5761 What notifications must I submit and when?

(a) You must submit all of the notifications in Table 7 to this subpart that apply to you by the dates in the table. The notifications are described more fully in 40 CFR Part 63, Subpart A, General Provisions, referenced in Table 8 to this subpart.

(b) If you change any information submitted in any notification, you must submit the changes in writing to the Administrator within 15 calendar days after the change.

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TABLE 7 REQUIREMENTS

As specified in §63.5761(a), you must submit notifications according to the following table:

1. If your facility is an existing source subject to this subpart, you must submit an initial notification containing the information specified in §63.9(b)(2) no later than the dates specified in §63.9(b)(2). [NOTE: PURSUANT TO §63.5761(a) AND §63.9(b)(2), THE INITIAL NOTIFICATION WAS REQUIRED TO HAVE BEEN SUBMITTED NO LATER THAN 3/30/17; THE PERMITTEE SUBMITTED THE INITIAL NOTIFICATION TO U.S. EPA AND DEP VIA A LETTER DATED JUNE 7, 2018 (RECEIVED BY DEP ON JUNE 12, 2018)]
2. [N/A - THE FACILITY IS DEFINED AS AN EXISTING AFFECTED SOURCE]
3. If your facility qualifies for a compliance extension as specified in §63.9(c), you must submit a request for a compliance extension as specified in §63.9(c) no later than the dates specified in §63.6(i). [NOTE: THIS IS ONLY APPLICABLE IF THE PERMITTEE WILL BE INSTALLING CONTROLS IN ORDER TO DEMONSTRATE COMPLIANCE WITH A RELEVANT STANDARD(S)]
4. If your facility is complying with organic HAP content limits, application equipment requirements; or MACT model point value averaging provisions, you must submit a notification of compliance status as specified in §63.9(h) no later than 30 calendar days after the end of the first 12-month averaging period after your facility's compliance date. [NOTE: THE FACILITY BECAME A MAJOR SOURCE ON 11/30/16; THEREFORE, PURSUANT TO §63.5695 [TABLE 1 {NO. 2}], THE RELEVANT COMPLIANCE DATE FOR THE GROUP 009 SOURCES WAS 11/30/17; THEREFORE, THE NOTIFICATION OF COMPLIANCE STATUS WAS DUE NO LATER THAN 12/30/18; HOWEVER, SEE SECTION E (GROUP 009), CONDITION #010, BELOW]
- 5.a. [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART VVV]
- 5.b. [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART VVV]
- 5.c. [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART VVV]

END OF TABLE 7 REQUIREMENTS

SPECIAL NOTE:

§63.9(b)(2) states:

§63.9(b)(2) The owner or operator of an affected source that has an initial startup before the effective date of a relevant standard under this part (i.e., 40 CFR Part 63) shall notify the Administrator in writing that the source is subject to the relevant standard. The notification, which shall be submitted not later than 120 calendar days after the effective date of the relevant standard (or within 120 calendar days after the source becomes subject to the relevant standard), shall provide the following information:

- (i) The name and address of the owner or operator;
- (ii) The address (i.e., physical location) of the affected source;
- (iii) An identification of the relevant standard, or other requirement, that is the basis of the notification and the source's compliance date;
- (iv) A brief description of the nature, size, design, and method of operation of the source and an identification of the types of emission points within the affected source subject to the relevant standard and types of hazardous air pollutants emitted; and

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(v) A statement of whether the affected source is a major source or an area source.

[NOTE: THE PERMITTEE SUBMITTED THE MACT SUBPART VVV INITIAL NOTIFICATION REQUIRED BY §§63.5761(a) AND §63.9(b)(2) TO U.S. EPA VIA A LETTER DATED 6/07/18; A COPY OF THE LETTER WAS RECEIVED BY THE DEPARTMENT ON 6/12/18]

§63.5764 What reports must I submit and when?

(a) You must submit the applicable reports specified in paragraphs (b) through (e) of this section. To the extent possible, you must organize each report according to the operations covered by this subpart and the compliance procedure followed for that operation.

(b) Unless the Administrator has approved a different schedule for submission of reports under §63.10(a), you must submit each report by the dates in paragraphs (b)(1) through (5) of this section.

(1) If your source is not controlled by an add-on control device (i.e., you are complying with organic HAP content limits, application equipment requirements, or MACT model point value averaging provisions), the first compliance report must cover the period beginning 12 months after the compliance date specified for your source in §63.5695 and ending on June 30 or December 31, whichever date is the first date following the end of the first 12-month period after the compliance date that is specified for your source in §63.5695. If your source is controlled by an add-on control device, the first compliance report must cover the period beginning on the compliance date specified for your source in §63.5695 and ending on June 30 or December 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for your source in §63.5695. [NOTE: THE FIRST COMPLIANCE REPORT MUST COVER THE PERIOD OF 11/30/18 THROUGH 12/31/18; THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART VVV]

(2) The first compliance report must be postmarked or delivered no later than 60 calendar days after the end of the compliance reporting period specified in paragraph (b)(1) of this section. [NOTE: THE FIRST COMPLIANCE REPORT MUST BE POSTMARKED OR DELIVERED NO LATER THAN 3/01/19; HOWEVER, SEE SECTION E (GROUP 009), CONDITION #010, BELOW]

(3) Each subsequent compliance report must cover the applicable semiannual reporting period from January 1 through June 30 or from July 1 through December 31.

(4) Each subsequent compliance report must be postmarked or delivered no later than 60 calendar days after the end of the semiannual reporting period.

(5) For each affected source that is subject to permitting regulations pursuant to 40 CFR Part 70 or 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR §70.6(a)(3)(iii)(A) or 40 CFR §71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (b)(1) through (4) of this section.

(c) The compliance report must include the information specified in paragraphs (c)(1) through (7) of this section.

(1) Company name and address.

(2) A statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the report.

(3) The date of the report and the beginning and ending dates of the reporting period.

(4) A description of any changes in the manufacturing process since the last compliance report.

(5) A statement or table showing, for each regulated operation, the applicable organic HAP content limit, application equipment requirement, or MACT model point value averaging provision with which you are complying. The statement or

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table must also show the actual weighted-average organic HAP content or weighted-average MACT model point value (if applicable) for each operation during each of the rolling 12-month averaging periods that end during the reporting period.

(6) If you were in compliance with the emission limits and work practice standards during the reporting period, you must include a statement to that effect.

(7) If you deviated from an emission limit or work practice standard during the reporting period, you must also include the information listed in paragraphs (c)(7)(i) through (iv) of this section in the semiannual compliance report.

(i) A description of the operation involved in the deviation.

(ii) The quantity, organic HAP content, and application method (if relevant) of the materials involved in the deviation.

(iii) A description of any corrective action you took to minimize the deviation and actions you have taken to prevent it from happening again.

(iv) A statement of whether or not your facility was in compliance for the 12-month averaging period that ended at the end of the reporting period.

(d) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART WWW]

(e) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART WWW]

§63.5767 What records must I keep?

You must keep the records specified in paragraphs (a) through (d) of this section in addition to records specified in individual sections of this subpart.

(a) You must keep a copy of each notification and report that you submitted to comply with this subpart.

(b) You must keep all documentation supporting any notification or report that you submitted.

(c) If your facility is not controlled by an add-on control device (i.e., you are complying with organic HAP content limits, application equipment requirements, or MACT model point value averaging provisions), you must keep the records specified in paragraphs (c)(1) through (3) of this section.

(1) The total amounts of open molding production resin, pigmented gel coat, clear gel coat, tooling resin, and tooling gel coat used per month and the weighted-average organic HAP contents for each operation, expressed as weight-percent. For open molding production resin and tooling resin, you must also record the amounts of each applied by atomized and non-atomized methods.

(2) [N/A - THE FACILITY DOES NOT HAVE ALUMINUM RECREATIONAL BOAT SURFACE COATING OPERATIONS]

(3) [N/A - THE FACILITY DOES NOT HAVE ALUMINUM RECREATIONAL BOAT WIPEDOWN SOLVENT OPERATIONS]

(d) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART WWW]

§63.5770 In what form and for how long must I keep my records?

(a) Your records must be readily available and in a form so they can be easily inspected and reviewed.

(b) You must keep each record for 5 years following the date that each record is generated.

(c) You must keep each record on-site for at least 2 years after the date that each record is generated. You can keep the records off-site for the remaining 3 years.

(d) You can keep the records on paper or an alternative media, such as microfilm, computer, computer disks, magnetic

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tapes, or on microfiche.

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5773]

Subpart VVVV -- National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing

Other Information You Need To Know

Other Information You Need To Know

§63.5773 What parts of the General Provisions apply to me?

You must comply with the requirements of the General Provisions in 40 CFR Part 63, subpart A, as specified in Table 8 to this subpart.

§63.5779 What definitions apply to this subpart?

Terms used in 40 CFR Part 63, Subpart VVV - National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing, as well as Section E, Group 009, are defined in the Clean Air Act (CAA); in §63.2 (General Provisions); and in §63.5779.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5773]

Subpart VVVV -- National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing

Other Information You Need To Know

This condition constitutes a compliance schedule pursuant to 25 Pa. Code §127.445:

- 1.) By no later than 4/30/19, the permittee shall submit a MACT Subpart VVV Notification of Compliance Status (NOCS) containing the results of the initial compliance demonstration pursuant to 40 CFR §§63.5761(a) [Table 7 (No. 4)] and 63.9(h).
- 2.) By no later than 4/30/19, the permittee shall submit the first MACT Subpart VVV semiannual compliance report covering the period of 11/30/18 – 12/31/18 pursuant to 40 CFR §63.5764(a)&(b).
- 3.) The permittee shall submit copies of the NOCS referenced in 1.), above, and the first semiannual compliance report referenced in 2.), above, to both the U.S. Environmental Protection Agency (U.S. EPA) and the Department. The U.S. EPA copies shall be forwarded to:

Director
Air Protection Division
U.S. EPA, Region III (3AP00)
1650 Arch Street
Philadelphia, PA 19103-2029

The Department copies shall be forwarded to:

Regional Air Program Manager
PA Department of Environmental Protection
909 Elmerton Avenue
Harrisburg, PA 17110-8200

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: 010

Group Description: SOURCES SUBJECT TO 25 Pa. CODE §129.52d

Sources included in this group

ID	Name
104	GEL COAT SPRAY BOOTH
201	SPRAY PAINT BOOTH NO. 1
202	SPRAY PAINT BOOTH NO. 2
203	SPRAY PAINT BOOTH NO. 3

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.**# 001 [25 Pa. Code §129.52d]****Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings.**

25 Pa. Code §129.52d - Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings.

(a) Applicability.

(1) This section (i.e., 25 Pa. Code §129.52d) applies to the owner and operator of a miscellaneous metal part surface coating process or miscellaneous plastic part surface coating process, or both, if the total actual VOC emissions from all miscellaneous metal part coating units and miscellaneous plastic part coating units, including related cleaning activities, at the facility are equal to or greater than 2.7 tons per 12-month rolling period, before consideration of controls.

(2) [N/A - THE TOTAL ACTUAL VOC EMISSIONS FROM ALL MISCELLANEOUS METAL PART COATING UNITS AND MISCELLANEOUS PLASTIC PART COATING UNITS, INCLUDING RELATED CLEANING ACTIVITIES, AT THE FACILITY ARE EQUAL TO OR GREATER THAN 2.7 TONS PER 12-MONTH ROLLING PERIOD, BEFORE CONSIDERATION OF CONTROLS]

(3) Compliance with the VOC emission limits and other requirements of this section (i.e., 25 Pa. Code §129.52d) assures

**SECTION E. Source Group Restrictions.**

compliance with the VOC emission limits and other requirements of 25 Pa. Code §129.52 (relating to surface coating processes) for the miscellaneous metal parts and products surface coating processes as specified in 25 Pa. Code §129.52, Table I, Category 10.

(4) [N/A - THE GROUP 010 SOURCES ARE NOT AUTOMOBILE OR LIGHT-DUTY TRUCK ASSEMBLY SURFACE COATING OPERATIONS OR HEAVIER VEHICLE COATING OPERATIONS]

(5) This section (i.e., 25 Pa. Code §129.52d) does not apply to an owner or operator in the use or application of the following:

(i) Aerosol coatings that meet the requirements of 40 CFR Part 59, Subpart E (relating to National Volatile Organic Compound Emission Standards for Aerosol Coatings).

(ii) Aerospace coatings.

(iii) Architectural coatings.

(iv) Automobile refinishing coatings.

(v) Auto and light-duty truck assembly coatings.

(vi) Can, coil or magnet wire coatings.

(vii) Coating applied to a test panel or coupon, or both, in research and development, quality control or performance testing activities, if records are maintained as required under 25 Pa. Code §129.52d(e) and 25 Pa. Code §129.52d(f), below.

(viii) Fiberglass boat manufacturing materials.

(ix) Flat wood paneling coatings.

(x) Large appliance coatings.

(xi) Metal furniture coatings.

(xii) Miscellaneous industrial adhesives.

(xiii) Paper, film and foil coatings.

(xiv) Shipbuilding and repair coatings.

(xv) Wood furniture coatings.

(b) Definitions. [NOTE: SEE 25 Pa. CODE §129.52d(b)]

(c) [N/A - THE FACILITY DOES NOT POSSESS AN EXISTING RACT OPERATING PERMIT]

(d) Emission limitations. Beginning January 1, 2017, a person subject to 25 Pa. Code §129.52d(a)(1), above, may not cause or permit the emission into the outdoor atmosphere of VOCs from a miscellaneous metal part coating unit or miscellaneous plastic part coating unit, or both, unless emissions of VOCs are controlled in accordance with 25 Pa. Code §129.52d(d)(1), (2) or (3), below.

(1) Compliant materials option. The VOC content of each miscellaneous metal part coating or each miscellaneous plastic part coating, as applied, excluding water and exempt compounds, is equal to or less than the VOC content limit for the applicable coating category specified in the applicable table of VOC content limits in Tables I through V. [NOTE: THE GROUP 010 SOURCES ARE SUBJECT TO TABLES I, II AND IV ONLY; TABLES I, II AND IV ARE DISPLAYED AT THE END OF THIS OPERATING PERMIT CONDITION]

**SECTION E. Source Group Restrictions.**

[NOTE: COMPLIANCE WITH PART (d)(1) [i.e., 25 Pa. Code §129.52d(d)(1)], ABOVE, ASSURES COMPLIANCE WITH THE 25 Pa. Code §127.1 BEST AVAILABLE TECHNOLOGY (BAT) VOC CONTENT LIMIT SPECIFIED IN SECTION E (GROUP 001), CONDITION #001, OF P.A. NO. 01-05018A FOR SOURCE IDs 201 AND 202]

(2) Combination of compliant materials, VOC emissions capture system and add-on air pollution control device option. The combination of one or more VOC-containing coatings, as applied, that meet the emission rate limits for the applicable coating category specified in the applicable table of emission rate limits in Tables VI through IX, and one or more VOC emissions capture systems and one or more add-on air pollution control devices that meet the requirements of 25 Pa. Code §129.52d(e)(2), below. [NOTE: THIS COMPLIANCE OPTION IS CURRENTLY NOT BEING UTILIZED BY THE PERMITTEE AND IT WOULD REQUIRE THE ISSUANCE OF A PLAN APPROVAL TO DO SO PRIOR TO ITS IMPLEMENTATION]

(3) VOC emissions capture system and add-on air pollution control device option. The overall weight of VOCs emitted to the atmosphere is reduced through the use of vapor recovery, oxidation, incineration, or another method that is acceptable under 25 Pa. Code §129.51(a) (relating to general) and meets the requirements of 25 Pa. Code §129.52d(e)(2), below. The overall control efficiency of a control system, as determined by the test methods and procedures specified in Chapter 139 (relating to sampling and testing), may be no less than 90%. [NOTE: THIS COMPLIANCE OPTION IS CURRENTLY NOT BEING UTILIZED BY THE PERMITTEE AND IT WOULD REQUIRE THE ISSUANCE OF A PLAN APPROVAL TO DO SO PRIOR TO ITS IMPLEMENTATION]

(4) Least restrictive VOC limit. If more than one VOC content limit or VOC emission rate limit applies to a specific coating, then the least restrictive VOC content limit or VOC emission rate limit applies.

(5) Coatings not listed in Table I, II, VI or VII. For a miscellaneous metal part or miscellaneous plastic part coating that does not meet the coating categories listed in Table I, II, VI or VII, the VOC content limit or VOC emission rate limit shall be determined by classifying the coating as a "general one-component" coating or "general multi-component" coating. The corresponding "general one-component" coating or "general multi-component" coating limit applies. [NOTE: THE GROUP 010 SOURCES ARE SUBJECT TO TABLES I, II AND IV ONLY]

(6) Coatings not listed in Table IV or IX. For a pleasure craft coating that does not meet the coating categories listed in Table IV or IX, the VOC content limit or VOC emission rate limit shall be determined by classifying the coating as an "all other pleasure craft surface coatings for metal or plastic". The "all other pleasure craft surface coatings for metal or plastic" limit applies. [NOTE: THE GROUP 010 SOURCES ARE SUBJECT TO TABLES I, II AND IV ONLY]

(e) Compliance and monitoring requirements.

(1) All owners and operators. Regardless of the facility's VOC emissions, the owner or operator of a miscellaneous metal part surface coating process or miscellaneous plastic part surface coating process, or both, subject to 25 Pa. Code §129.52d(a)(1) or (a)(2), above, shall comply with this section (i.e., 25 Pa. Code §129.52d) as specified throughout this section (i.e., 25 Pa. Code §129.52d). For an owner or operator subject only to 25 Pa. Code §129.52d(a)(2), above, the compliance requirements are the recordkeeping requirements in 25 Pa. Code §129.52d(f)(2), below.

(2) VOC emissions capture system and add-on air pollution control device. The owner or operator of a facility subject to 25 Pa. Code §129.52d(a)(1), above, that elects to comply with the emission limitations of 25 Pa. Code §129.52d(d), above, through installation of a VOC emissions capture system and add-on air pollution control device under 25 Pa. Code §129.52d(d)(2) or (3), above, shall submit an application for a plan approval to the appropriate regional office. The plan approval must be approved, in writing, by the Department prior to installation and operation of the emissions capture system and add-on air pollution control device. The plan approval must include the following information:

(i) A description, including location, of each affected source or operation to be controlled with the emissions capture system and add-on air pollution control device.

(ii) A description of the proposed emissions capture system and add-on air pollution control device to be installed.

(iii) A description of the proposed compliance monitoring equipment to be installed.

(iv) A description of the parameters to be monitored to demonstrate continuing compliance.

**SECTION E. Source Group Restrictions.**

(v) A description of the records to be kept that will document the continuing compliance.

(vi) A schedule containing proposed interim dates for completing each phase of the required work to install and test the emissions capture system and add-on air pollution control device described in 25 Pa. Code §129.52d(e)(2)(ii), above, and the compliance monitoring equipment described in 25 Pa. Code §129.52d(e)(2)(iii), above.

(vii) A proposed interim emission limitation that will be imposed on the affected source or operation until compliance is achieved with the applicable emission limitation.

(viii) A proposed final compliance date that is as soon as possible but not later than 1 year after the start of installation of the approved emissions capture system and add-on air pollution control device and the compliance monitoring equipment.

[NOTE: 25 Pa. Code §129.52d(d)(2)&(3), ABOVE, ARE CURRENTLY NOT APPLICABLE; BOTH OF THESE COMPLIANCE OPTIONS WOULD REQUIRE THE ISSUANCE OF A PLAN APPROVAL TO DO SO PRIOR TO THEIR IMPLEMENTATION]

(f) Recordkeeping and reporting requirements.

(1) The owner or operator of a miscellaneous metal part coating unit or miscellaneous plastic part coating unit, or both, subject to 25 Pa. Code §129.52d(a)(1), above, shall maintain monthly records sufficient to demonstrate compliance with this section (i.e., 25 Pa. Code §129.52d). The records must include the following information:

(i) The following parameters for each coating, thinner, component and cleaning solvent as supplied:

(A) Name and identification number of the coating, thinner, other component or cleaning solvent.

(B) Volume used.

(C) Mix ratio.

(D) Density or specific gravity.

(E) Weight percent of total volatiles, water, solids and exempt solvents.

(F) Volume percent of total volatiles, water and exempt solvents for the applicable table of limits in Tables I through V.

(G) Volume percent of solids for the applicable table of limits in Tables VI - IX.

(ii) The VOC content of each coating, thinner, other component and cleaning solvent as supplied.

(iii) The VOC content of each as applied coating or cleaning solvent.

(iv) The calculations performed for each applicable requirement under 25 Pa. Code §129.52d(d) and (e), above.

(v) The information required in a plan approval issued under 25 Pa. Code §129.52d(e)(2), above. [NOTE: A PLAN APPROVAL HAS NOT BEEN ISSUED UNDER 25 Pa. Code §129.52d(e)(2)]

(2) An owner or operator subject to 25 Pa. Code §129.52d(a)(2), above, or otherwise claiming an exemption or exception in this section (i.e., 25 Pa. Code §129.52d), shall maintain records sufficient to verify the applicability of 25 Pa. Code §129.52d(a)(2), above, or the exemption or exception. Records maintained for compliance demonstrations may include purchase, use, production and other records.

(3) The records shall be maintained on-site for 2 years, unless a longer period is required by an order, plan approval or operating permit issued under Chapter 127 (relating to construction, modification, reactivation and operation of sources).

(4) The records shall be submitted to the Department in an acceptable format upon receipt of a written request from the Department.

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(g) Coating application methods. A person subject to 25 Pa. Code §129.52d(a)(1), above, may not cause or permit the emission into the outdoor atmosphere of VOCs from a miscellaneous metal part coating unit or miscellaneous plastic part coating unit, or both, unless the coatings are applied using one or more of the following coating application methods:

- (1) Electrostatic coating.
- (2) Flow coating.
- (3) Dip coating, including electrodeposition.
- (4) Roll coating.
- (5) High volume-low pressure (HVLP) spray coating.
- (6) Airless spray coating.
- (7) Air-assisted airless spray coating.
- (8) Other coating application method if approved in writing by the Department prior to use.

(i) The coating application method must be capable of achieving a transfer efficiency equivalent to or better than that achieved by HVLP spray coating.

(ii) The owner or operator shall submit the request for approval to the Department in writing.

[NOTE: COMPLIANCE WITH PART (g) [i.e., 25 Pa. Code §129.52d(g)], ABOVE, ASSURES COMPLIANCE WITH THE 25 Pa. Code §127.1 BEST AVAILABLE TECHNOLOGY (BAT) SURFACE COATING APPLICATION METHOD REQUIREMENT SPECIFIED IN SECTION E (GROUP 001), CONDITION #009, OF P.A. NO. 01-05018A FOR SOURCE IDs 201 AND 202]

(h) Exempt coatings and exempt coating unit operations.

(1) The requirements of 25 Pa. Code §129.52d(d) and (g), above, do not apply to the application of the following coatings to a metal part:

- (i) Stencil coating.
- (ii) Safety-indicating coating.
- (iii) Solid-film lubricant.
- (iv) Electric-insulating and thermal-conducting coating.
- (v) Magnetic data storage disk coating.
- (vi) Plastic extruded onto metal parts to form a coating.
- (vii) Powder coating.

(2) The requirements of 25 Pa. Code §129.52d(d), above, do not apply to the application of the following coatings to a plastic part:

- (i) Touch-up and repair coating.
- (ii) Stencil coating applied on a clear or transparent substrate.
- (iii) Clear or translucent coating.

**SECTION E. Source Group Restrictions.**

- (iv) Coating applied at a paint manufacturing facility while conducting performance tests on coating.
 - (v) Reflective coating applied to highway cones.
 - (vi) Mask coating, if the coating is less than 0.5 millimeter thick (dried) and the area coated is less than 25 square inches.
 - (vii) EMI/RFI shielding coating.
 - (viii) Heparin-benzalkonium chloride (HBAC)-containing coating applied to a medical device, provided that the total usage of HBAC-containing coatings does not exceed 100 gallons in 1 calendar year at the facility.
 - (ix) Powder coating.
 - (x) An individual coating category used in an amount less than 50 gallons in 1 calendar year provided that the total usage of all of the coatings, combined, does not exceed 200 gallons per year at the facility. This exception applies only if substitute compliant coatings are not available.
- (3) [N/A - THE SURFACE COATINGS USED AT THE THE GROUP 010 SOURCES ARE NOT "AUTOMOTIVE-TRANSPORTATION" OR "BUSINESS MACHINE PART" SURFACE COATINGS]
- (4) The requirements of 25 Pa. Code §129.52d(g), above, do not apply to the following activities:
- (i) Application of a touch-up coating, repair coating or textured finish to a metal part.
 - (ii) [N/A - THE GROUP 010 SOURCES DO NOT APPLY POWDER COATINGS; ALSO, THE SUBSTRATES USED BY THE GROUP 010 SOURCES DO NOT INCLUDE "AUTOMOTIVE-TRANSPORTATION PLASTIC PART" OR BUSINESS MACHINE PLASTIC PART"]
 - (iii) Airbrush application of coating to a metal part or plastic part using no more than 5 gallons of coating per year.
 - (iv) [N/A - 25 Pa. Code §129.52d(d)(2)&(3), ABOVE, ARE CURRENTLY NOT APPLICABLE; BOTH OF THESE COMPLIANCE OPTIONS WOULD REQUIRE THE ISSUANCE OF A PLAN APPROVAL TO DO SO PRIOR TO THEIR IMPLEMENTATION]
 - (v) Application of extreme high-gloss coating in a pleasure craft surface coating operation.
- (i) Work practice requirements for coating-related activities. The owner or operator of a miscellaneous metal part coating unit or miscellaneous plastic part coating unit, or both, subject to 25 Pa. Code §129.52d(a)(1), above, shall comply with the following work practices for coating-related activities:
- (1) Store all VOC-containing coatings, thinners or coating-related waste materials in closed containers.
 - (2) Ensure that mixing and storage containers used for VOC-containing coatings, thinners or coating-related waste materials are kept closed at all times, except when depositing or removing these coatings, thinners or waste materials.
 - (3) Minimize spills of VOC-containing coatings, thinners or coating-related waste materials and clean up spills immediately.
 - (4) Convey VOC-containing coatings, thinners or coating-related waste materials from one location to another in closed containers or pipes.
- [NOTE: COMPLIANCE WITH PART (i) [i.e., 25 Pa. Code §129.52d(i)], ABOVE, ASSURES COMPLIANCE WITH THE 25 Pa. Code §127.1 BEST AVAILABLE TECHNOLOGY (BAT) WORK PRACTICE REQUIREMENTS THAT WERE SPECIFIED IN SECTION E (GROUP 001), CONDITION #008, OF P.A. NO. 01-05018A FOR SOURCE IDs 201 AND 202]
- (j) Work practice requirements for cleaning materials. The owner or operator of a miscellaneous metal part coating unit or miscellaneous plastic part coating unit subject to 25 Pa. Code §129.52d(a)(1), above, shall comply with the following work



SECTION E. Source Group Restrictions.

practices for cleaning materials:

- (1) Store all VOC-containing cleaning materials and used shop towels in closed containers.
- (2) Ensure that mixing vessels and storage containers used for VOC-containing cleaning materials are kept closed at all times except when depositing or removing these materials.
- (3) Minimize spills of VOC-containing cleaning materials and clean up spills immediately.
- (4) Convey VOC-containing cleaning materials from one location to another in closed containers or pipes.
- (5) Minimize VOC emissions from cleaning of application, storage, mixing or conveying equipment by ensuring that equipment cleaning is performed without atomizing the cleaning solvent and all spent solvent is captured in closed containers.

[NOTE: COMPLIANCE WITH PART (j) [i.e., 25 Pa. Code §129.52d(j)], ABOVE, ASSURES COMPLIANCE WITH THE 25 Pa. Code §127.1 BEST AVAILABLE TECHNOLOGY (BAT) WORK PRACTICE REQUIREMENTS THAT WERE SPECIFIED IN SECTION E (GROUP 001), CONDITION #008, OF P.A. NO. 01-05018A FOR SOURCE IDs 201 AND 202]

(k) Measurements and calculations. To determine the properties of a coating or component used in a miscellaneous metal parts surface coating process or miscellaneous plastic parts surface coating process, measurements and calculations shall be performed according to one or more of the following:

- (1) EPA Reference Method 24, Determination of Volatile Matter Content, Water Content, Density, Volume Solids, and Weight Solids of Surface Coatings, found at 40 CFR Part 60, Subpart D, Appendix A, including updates and revisions.
- (2) Manufacturer's formulation data.
- (3) Sampling and testing done in accordance with the procedures and test methods specified in Chapter 139.
- (4) Other test method(s) demonstrated to provide results that are acceptable for purposes of determining compliance with this section (25 Pa. Code §129.52d) if prior approval is obtained in writing from the Department.
- (5) [N/A - NONE OF THE GROUP 010 SOURCES ARE CURRENTLY EQUIPPED WITH AN ADD-ON AIR POLLUTION CONTROL DEVICE; THE INSTALLATION OF AN ADD-ON AIR POLLUTION CONTROL DEVICE WOULD REQUIRE THE ISSUANCE OF A PLAN APPROVAL PRIOR TO ITS INSTALLATION]
- (6) EPA calculations information in the following:
 - (i) A Guideline for Surface Coating Calculations, EPA-340/1-86-016, including updates and revisions.
 - (ii) Procedures for Certifying Quantity of Volatile Organic Compounds Emitted by Paint, Ink, and Other Coatings, EPA-450/3-84-019, including updates and revisions.

[NOTE: COMPLIANCE WITH PART (k) [i.e., 25 Pa. Code §129.52d(k)], ABOVE, ASSURES COMPLIANCE WITH THE SURFACE COATING & COMPONENT TESTING OPTIONS THAT WERE SPECIFIED IN SECTION E (GROUP 001), CONDITION #003, OF P.A. NO. 01-05018A FOR SOURCE IDs 201 AND 202]

Table I - VOC Content Limits for Metal Parts and Products Surface Coatings (Weight of VOC per Volume of Coating, Less Water and Exempt Compounds, as Applied)*

Coating Category	Air-Dried	Air Dried	Baked	Baked
	(Kg VOC/L coating)	(lb VOC/gal coating)	(Kg VOC/L coating)	(lb VOC/gal coating)
General One-component	0.34	2.8	0.28	2.3

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General Multi-component	0.34	2.8	0.28	2.3
Camouflage	0.42	3.5	0.42	3.5
Electric-insulating Varnish	0.42	3.5	0.42	3.5
Etching Filler	0.42	3.5	0.42	3.5
Extreme High-gloss	0.42	3.5	0.36	3.0
Extreme Performance	0.42	3.5	0.36	3.0
Heat-resistant	0.42	3.5	0.36	3.0
High-performance Architectural	0.74	6.2	0.74	6.2
High-temperature	0.42	3.5	0.42	3.5
Metallic	0.42	3.5	0.42	3.5
Military Specification	0.34	2.8	0.28	2.3
Mold-seal	0.42	3.5	0.42	3.5
Pan-backing	0.42	3.5	0.42	3.5
Prefabricated Architectural Multi-component	0.42	3.5	0.28	2.3
Prefabricated Architectural One-component	0.42	3.5	0.28	2.3
Pretreatment	0.42	3.5	0.42	3.5
Touch-up and Repair	0.42	3.5	0.36	3.0
Silicone-release	0.42	3.5	0.42	3.5
Solar-absorbent	0.42	3.5	0.36	3.0
Vacuum-metalizing	0.42	3.5	0.42	3.5
Drum Coating, New, Exterior	0.34	2.8	0.34	2.8
Drum Coating, New, Interior	0.42	3.5	0.42	3.5
Drum Coating, Reconditioned, Exterior	0.42	3.5	0.42	3.5
Drum Coating, Reconditioned, Interior	0.50	4.2	0.50	4.2

Table II - VOC Content Limits for Plastic Parts and Products Surface Coatings (Weight of VOC per Volume of Coating, Less Water and Exempt Compounds, as Applied)*

Coating Category	(Kg VOC/L coating)	(lb VOC/gal coating)
General One-component	0.28	2.3
General Multicomponent	0.42	3.5
Electric Dissipating and Shock-free	0.80	6.7
Extreme Performance (2-pack coatings)	0.42	3.5
Metallic	0.42	3.5
Military Specification (1-pack)	0.34	2.8
Military Specification (2-pack)	0.42	3.5
Mold-seal	0.76	6.3
Multicolored	0.68	5.7
Optical	0.80	6.7
Vacuum-metalizing	0.80	6.7

Table IV - VOC Content Limits for Pleasure Craft Surface Coatings (Weight of VOC per Volume of Coating, Less Water and Exempt Compounds, as Applied)*

Coating Category	(Kg VOC/L coating)	(lb VOC/gal coating)
Extreme High-gloss Topcoat	0.60	5.0
High Gloss Topcoat	0.42	3.5
Pretreatment Wash Primer	0.78	6.5
Finish Primer/Surfacer	0.42	3.5
High Build Primer Surfacer	0.34	2.8
Aluminum Substrate Antifoulant Coating	0.56	4.7
Antifoulant Sealer/Tiecoat	0.42	3.5
Other Substrate Antifoulant Coating	0.40	3.3

**SECTION E. Source Group Restrictions.**

All Other Pleasure Craft Surface Coatings for Metal or Plastic	0.42	3.5
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* The VOC content of the as applied coatings, expressed in units of pounds VOC per gallon of coating (less water and exempt compounds) or VOC content expressed in units of kilograms VOC per liter coating (less water and exempt compounds), shall be calculated as follows:

$$\text{VOC} = (\text{Wo})(\text{Dc})$$

where:

VOC = VOC content expressed in units of pounds VOC per gallon coating (less water and exempt compounds) or VOC content expressed in units of kilograms VOC per liter coating (less water and exempt compounds);

Wo = weight percent of VOC ($\text{Wv} - \text{Ww} - \text{Wex}$);

Wv = weight percent of total volatiles ($100\% - \text{Wn}$);

Ww = weight percent of water;

Wex = weight percent of exempt compounds;

Dc = density of coating (pounds per gallon), at 25°C; and

Wn = weight percent of solids of the as applied coating.

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: 011

Group Description: SOURCES SUBJECT TO MACT SUBPART PPPP

Sources included in this group

ID	Name
102	CLEANUP SOLVENT
201	SPRAY PAINT BOOTH NO. 1
202	SPRAY PAINT BOOTH NO. 2
203	SPRAY PAINT BOOTH NO. 3

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.**# 001 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

In the event that 40 CFR Part 63, Subpart PPPP - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products (MACT Subpart PPPP) is revised, the permittee shall comply with the revised version of MACT Subpart PPPP, and shall not be required to comply with any provisions in this operating permit designated as having MACT Subpart PPPP as their authority, to the extent that such operating permit provisions would be inconsistent with the applicable provisions of the revised MACT Subpart PPPP.

002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1]**Subpart A--General Provisions****Applicability.**

The Group 009 sources are subject to 40 CFR Part 63, Subpart PPPP - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products. The permittee shall comply with all applicable standards, compliance provisions, performance test, monitoring, recordkeeping, and reporting requirements contained at 40 CFR §§63.4480 through 63.4581, including all applicable portions of 40 CFR Part 63, Subpart A - General Provisions. The permittee shall comply with 40 CFR §63.13(a), which requires submission of copies of all requests, reports, applications, submittals, and other communications to both the U.S. Environmental Protection Agency (U.S. EPA) and the Department. The U.S. EPA copies shall be forwarded to:

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Director
Air Protection Division
U.S. EPA, Region III (3AP00)
1650 Arch Street
Philadelphia, PA 19103-2029

The Department copies shall be forwarded to:

Regional Air Program Manager
PA Department of Environmental Protection
909 Elmerton Avenue
Harrisburg, PA 17110-8200

003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.4481]

Subpart PPPP - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products

Am I subject to this subpart?

What This Subpart Covers

§63.4480 What is the purpose of this subpart?

This subpart establishes national emission standards for hazardous air pollutants (NESHAP) for plastic parts and products surface coating facilities. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations.

§63.4481 Am I subject to this subpart?

(a) Plastic parts and products include, but are not limited to, plastic components of the following types of products as well as the products themselves: Motor vehicle parts and accessories for automobiles, trucks, recreational vehicles; sporting and recreational goods; toys; business machines; laboratory and medical equipment; and household and other consumer products. Except as provided in paragraph (c) of this section, the source category to which this subpart applies is the surface coating of any plastic parts or products, as described in paragraph (a)(1) of this section, and it includes the subcategories listed in paragraphs (a)(2) through (5) of this section.

(1) 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 this subpart.

(2) The general use coating subcategory includes all surface coating operations that are not automotive lamp coating operations, thermoplastic olefin (TPO) coating operations, or assembled on-road vehicle coating operations. [NOTE: THE FACILITY ONLY USES SURFACE COATINGS THAT SATISFY THE DEFINITION OF "GENERAL USE COATING SUBCATEGORY"]

(3) The automotive lamp coating subcategory includes the surface coating of plastic components of the body of an exterior automotive lamp including, but not limited to, headlamps, tail lamps, turn signals, and marker (clearance) lamps; typical coatings used are reflective argent coatings and clear topcoats. This subcategory does not include the coating of interior automotive lamps, such as dome lamps and instrument panel lamps.

(4) The thermoplastic olefin (TPO) coating subcategory includes the surface coating of TPO substrates; typical coatings used are adhesion promoters, color coatings, clear coatings and topcoats. The coating of TPO substrates on fully assembled on-road vehicles is not included in the TPO coating subcategory.

(5) The assembled on-road vehicle coating subcategory includes surface coating of fully assembled motor vehicles and trailers intended for on-road use, including, but not limited to: automobiles, light-duty trucks, heavy duty trucks, and busses

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that have been repaired after a collision or otherwise repainted; fleet delivery trucks; and motor homes and other recreational vehicles (including camping trailers and fifth wheels). This subcategory also includes the incidental coating of parts, such as radiator grilles, that are removed from the fully assembled on-road vehicle to facilitate concurrent coating of all parts associated with the vehicle. The assembled on-road vehicle coating subcategory does not include the surface coating of plastic parts prior to their attachment to an on-road vehicle on an original equipment manufacturer's (OEM) assembly line. The assembled on-road vehicle coating subcategory also does not include the use of adhesives, sealants, and caulks used in assembling on-road vehicles. Body fillers used to correct small surface defects and rubbing compounds used to remove surface scratches are not considered coatings subject to this subpart.

(b) You are subject to this subpart if you own or operate a new, reconstructed, or existing affected source, as defined in §63.4482, that uses 378 liters (100 gallons (gal)) per year, or more, of coatings that contain hazardous air pollutants (HAP) in the surface coating of plastic parts and products defined in paragraph (a) of this section; and that is a major source, is located at a major source, or is part of a major source of emissions of HAP. A major source of HAP emissions is any stationary source or group of stationary sources located within a contiguous area and under common control that emits or has the potential to emit any single HAP at a rate of 9.07 megagrams (Mg) (10 tons) or more per year or any combination of HAP at a rate of 22.68 Mg (25 tons) or more per year. You do not need to include coatings that meet the definition of non-HAP coating contained in §63.4581 in determining whether you use 378 liters (100 gallons) per year, or more, of coatings in the surface coating of plastic parts and products.

(c) This subpart does not apply to surface coating or a coating operation that meets any of the criteria of paragraphs (c)(1) through (17) of this section.

(1) A coating operation conducted at a facility where the facility uses only coatings, thinners and other additives, and cleaning materials that contain no organic HAP, as determined according to §63.3941(a).

(2) [N/A - THE FACILITY IS NOT A RESEARCH & DEVELOPMENT FACILITY, OR PART OF JANITORIAL BUILDING OPERATIONS, OR FACILITY MAINTENANCE OPERATIONS, OR A HOBBY SHOP]

(3) [N/A - THE FACILITY IS NOT AN INSTALLATION OWNED OR OPERATED BY THE U.S. ARMED FORCES OR NASA, AND DO NOT SURFACE COAT MILITARY MUNITIONS THEREOF]

(4) [N/A - THE FACILITY DOES NOT PERFORM SURFACE COATING WHERE PLASTIC IS EXTRUDED ONTO PLASTIC PARTS OR PRODUCTS TO FORM A COATING]

(5) [N/A - THE FACILITY DOES NOT PERFORM MAGNET WIRE SURFACE COATING]

(6) In-mold coating operations or gel coating operations in the manufacture of reinforced plastic composite parts that meet the applicability criteria for reinforced plastics composites production (i.e., 40 CFR Part 63, Subpart WWWW).

(7) [N/A - THE FACILITY IS NOT SUBJECT TO 40 CFR PART 63, SUBPART JJ]

(8) [N/A - THE FACILITY IS NOT SUBJECT TO 40 CFR PART 63, SUBPART NNNN]

(9) [N/A - THE FACILITY IS NOT SUBJECT TO 40 CFR PART 63, SUBPART RRRR]

(10) [N/A - THE FACILITY IS NOT SUBJECT TO 40 CFR PART 63, SUBPART QQQQ]

(11) [N/A - THE FACILITY IS NOT SUBJECT TO 40 CFR PART 63, SUBPART GG]

(12) [N/A - THE FACILITY DOES NOT PERFORM SURFACE COATING OF PLASTIC PARTS INTENDED FOR USE IN AN AEROSPACE VEHICLE OR COMPONENT USING SPECIALTY COATINGS AS DEFINED IN APPENDIX A TO 40 CFR PART 63, SUBPART GG]

(13) [N/A - THE FACILITY IS NOT SUBJECT TO 40 CFR PART 63, SUBPART II]

(14) [N/A - THE FACILITY IS NOT SUBJECT TO 40 CFR PART 63, SUBPART JJJJ]

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(15) Surface coating of fiberglass boats or parts of fiberglass boats (including, but not limited to, the use of assembly adhesives) where the facility meets the applicability criteria for boat manufacturing (i.e., 40 CFR Part 63, Subpart VVV), except where the surface coating of the boat is a post-mold coating operation performed on personal watercraft or parts of personal watercraft. This subpart does apply to post-mold coating operations performed on personal watercraft and parts of personal watercraft.

(16) [N/A - THE FACILITY DOES NOT PERFORM SURFACE COATING OF PLASTIC COMPONENTS OF AUTOMOBILES OR LIGHT-DUTY TRUCKS THAT MEET THE APPLICABILITY CRITERIA IN 40 CFR §63.3082(b) [i.e., 40 CFR PART 63, SUBPART IIII] AT A FACILITY THAT MEETS THE APPLICABILITY CRITERIA IN 40 CFR §63.3081(b)]

(17) [N/A - THE FACILITY DOES NOT PERFORM SCREEN PRINTING]

(d) [N/A - THE FACILITY DOES NOT MEET THE APPLICABILITY CRITERIA IN 40 CFR §63.3081(b)]

(e) If you own or operate an affected source that meets the applicability criteria of this subpart and at the same facility you also perform surface coating that meets the applicability criteria of any other final surface coating NESHAP in 40 CFR Part 63, you may choose to comply as specified in paragraph (e)(1), (2), or (3) of this section.

(1) You may have each surface coating operation that meets the applicability criteria of a separate NESHAP comply with that NESHAP separately.

(2) You may comply with the emission limitation representing the predominant surface coating activity at your facility, as determined according to paragraphs (e)(2)(i) and (ii) of this section. However, you may not establish assembled on-road vehicle or automotive lamp coating operations as the predominant activity. You must not consider any surface coating activity that is subject to the Surface Coating of Automobiles and Light-Duty Trucks NESHAP (40 CFR Part 63, Subpart IIII) in determining the predominant surface coating activity at your facility.

(i) If a surface coating operation accounts for 90% or more of the surface coating activity at your facility (that is, the predominant activity), then compliance with the emission limitations of the predominant activity for all surface coating operations constitutes compliance with these and other applicable surface coating NESHAP. In determining predominant activity, you must include coating activities that meet the applicability criteria of other surface coating NESHAP and constitute more than 1% of total coating activities at your facility. Coating activities that meet the applicability criteria of other surface coating NESHAP but comprise less than 1% of coating activities need not be included in the determination of predominant activity but must be included in the compliance calculation.

(ii) You must use kilogram (kg) (pound (lb)) of solids used as a measure of relative surface coating activity over a representative period of operation. You may estimate the relative mass of coating solids used from parameters other than coating consumption and mass 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 mass solids content must be approved by the Administrator. You 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. You must determine the predominant activity at your facility and submit the results of that determination with the initial notification required by §63.4510(b). You must also determine predominant activity annually and include the determination in the next semi-annual compliance report required by §63.4520(a).

(3) You may comply with a facility-specific emission limit calculated from the relative amount of coating activity that is subject to each emission limit. If you elect to comply using the facility-specific emission limit alternative, then compliance with the facility-specific emission limit and the emission limitations in this subpart for all surface coating operations constitutes compliance with this subpart and other applicable surface coating NESHAP. The procedures for calculating the facility-specific emission limit are specified in §63.4490. In calculating a facility-specific emission limit, you must include coating activities that meet the applicability criteria of other surface coating NESHAP and constitute more than 1% of total coating activities at your facility. You must not consider any surface coating activity that is subject to the Surface Coating of Automobiles and Light-Duty Trucks NESHAP (40 CFR Part 63, Subpart IIII) in determining a facility-specific emission limit for your facility. Coating activities that meet the applicability criteria of other surface coating NESHAP but comprise less than 1% of total coating activities need not be included in the calculation of the facility-specific emission limit but must be

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included in the compliance calculations.

[69 FR 20990, Apr. 19, 2004, as amended at 69 FR 22660, Apr. 26, 2004; 71 FR 76927, Dec. 22, 2006; 72 FR 20237, Apr. 24, 2007]

§63.4482 What parts of my plant does this subpart cover?

(a) This subpart applies to each new, reconstructed, and existing affected source within each of the four subcategories listed in §63.4481(a).

(b) The affected source is the collection of all of the items listed in paragraphs (b)(1) through (4) of this section that are used for surface coating of plastic parts and products within each subcategory.

(1) All coating operations as defined in §63.4581;

(2) All storage containers and mixing vessels in which coatings, thinners and/or other additives, and cleaning materials are stored or mixed;

(3) All manual and automated equipment and containers used for conveying coatings, thinners and/or other additives, and cleaning materials; and

(4) All storage containers and all manual and automated equipment and containers used for conveying waste materials generated by a coating operation.

(c) An affected source is a new source if it meets the criteria in paragraph (c)(1) of this section and the criteria in either paragraph (c)(2) or (3) of this section.

(1) You commenced the construction of the source after December 4, 2002 by installing new coating equipment.

(2) The new coating equipment is used to coat plastic parts and products at a source where no plastic parts surface coating was previously performed.

(3) The new coating equipment is used to perform plastic parts and products coating in a subcategory that was not previously performed.

[NOTE: THE FACILITY IS DEFINED AS A NEW AFFECTED SOURCE]

(d) An affected source is reconstructed if you meet the criteria as defined in §63.2.

(e) An affected source is existing if it is not new or reconstructed.

§63.4483 When do I have to comply with this subpart?

The date by which you must comply with this subpart is called the compliance date. The compliance date for each type of affected source is specified in paragraphs (a) through (c) of this section. The compliance date begins the initial compliance period during which you conduct the initial compliance demonstration described in §§63.4540, 63.4550, and 63.4560.

(a) For a new or reconstructed affected source, the compliance date is the applicable date in paragraph (a)(1) or (2) of this section:

(1) If the initial startup of your new or reconstructed affected source is before April 19, 2004, the compliance date is April 19, 2004.

(2) If the initial startup of your new or reconstructed affected source occurs after April 19, 2004, the compliance date is the date of initial startup of your affected source. [NOTE: THE FACILITY BECAME A MAJOR SOURCE ON 11/30/16; THEREFORE, THE RELEVANT COMPLIANCE DATE FOR THE GROUP 011 SOURCES WAS 11/30/16]

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(b) For an existing affected source, the compliance date is the date 3 years after April 19, 2004.

(c) [N/A - THE FACILITY IS ALREADY A MAJOR SOURCE OF HAP EMISSIONS]

(d) You must meet the notification requirements in §63.4510 according to the dates specified in that section and in Ssubpart A of 40 CFR Part 63. Some of the notifications must be submitted before the compliance dates described in paragraphs (a) through (c) of this section.

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.4490]

Subpart PPPP - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products

What emission limits must I meet?

Emission Limitations

§63.4490 What emission limits must I meet?

(a) For a new or reconstructed affected source, you must limit organic HAP emissions to the atmosphere from the affected source to the applicable limit specified in paragraphs (a)(1) through (4) of this section, except as specified in paragraph (c) of this section, determined according to the requirements in §63.4541, §63.4551, or §63.4561.

(1) For each new general use coating affected source, limit organic HAP emissions to no more than 0.16 kg (0.16 lb) organic HAP emitted per kg (lb) coating solids used during each 12-month compliance period. [NOTE: THE FACILITY ONLY USES SURFACE COATINGS THAT SATISFY THE DEFINITION OF "GENERAL USE COATING SUBCATEGORY" PURSUANT TO §63.4481(a)(2)]

(2) [N/A - THE FACILITY DOES NOT USE/APPLY AUTOMOTIVE LAMP COATINGS]

(3) [N/A - THE FACILITY DOES NOT USE/APPLY THERMOPLASTIC OLEFIN (TPO) COATINGS]

(4) [N/A - THE FACILITY DOES NOT USE/APPLY ASSEMBLED ON-ROAD VEHICLE COATINGS]

(b) [N/A - THE FACILITY IS DEFINED AS A NEW AFFECTED SOURCE PURSUANT TO §63.4482(c)]

(c) [N/A - THE FACILITY'S SURFACE COATING OPERATIONS MEET THE APPLICABILITY CRITERIA OF ONLY ONE OF THE SUBCATEGORY EMISSION LIMITS SPECIFIED IN §63.4490(a), ABOVE]

§63.4491 What are my options for meeting the emission limits?

You must include all coatings (as defined in §63.4581), 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 §63.4490. To make this determination, you must use at least one of the three compliance options listed in paragraphs (a) through (c) of this section. You 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. You may use different compliance options for different coating operations, or at different times on the same coating operation. You 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, you may not use different compliance options at the same time on the same coating operation. If you switch between compliance options for any coating operation or group of coating operations, you must document this switch as required by §63.4530(c), and you must report it in the next semi-annual compliance report required in §63.4520.

(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 §63.4490, and that each thinner and/or other additive, and cleaning material used contains no organic HAP. You must meet all the requirements of §§63.4540, 63.4541, and 63.4542 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 §63.4490, calculated as a rolling 12-month emission rate and determined

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on a monthly basis. You must meet all the requirements of §§63.4550, 63.4551, and 63.4552 to demonstrate compliance with the emission limit using this option.

(c) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART PPPP]

§63.4492 What operating limits must I meet?

(a) For any coating operation(s) on which you use the compliant material option or the emission rate without add-on controls option, you are not required to meet any operating limits.

(b) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART PPPP]

(c) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART PPPP]

§63.4493 What work practice standards must I meet?

(a) For any coating operation(s) on which you use the compliant material option or the emission rate without add-on controls option, you are not required to meet any work practice standards.

(b) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART PPPP]

(c) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART PPPP]

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.4500]

Subpart PPPP - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products

What are my general requirements for complying with this subpart?

General Compliance Requirements

§63.4500 What are my general requirements for complying with this subpart?

(a) You must be in compliance with the emission limitations in this subpart as specified in paragraphs (a)(1) and (2) of this section.

(1) Any coating operation(s) for which you use the compliant material option or the emission rate without add-on controls option, as specified in §63.4491(a) and (b), must be in compliance with the applicable emission limit in §63.4490 at all times.

(2) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART PPPP]

(b) You must always operate and maintain your affected source, including all air pollution control and monitoring equipment you use for purposes of complying with this subpart, according to the provisions in §63.6(e)(1)(i).

(c) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART PPPP]

[69 FR 20990, Apr. 19, 2004, as amended at 71 FR 20465, Apr. 20, 2006]

§63.4501 What parts of the General Provisions apply to me?

Table 2 to this subpart shows which parts of the General Provisions in §§63.1 through 63.15 apply to you.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.4510]

Subpart PPPP - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products

What notifications must I submit?

Notifications, Reports, and Records

§63.4510 What notifications must I submit?

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(a) General. You must submit the notifications in §§63.7(b) and (c), 63.8(f)(4), and 63.9(b) through (e) and (h) that apply to you by the dates specified in those sections, except as provided in paragraphs (b) and (c) of this section.

(b) Initial notification. You must submit the initial notification required by §63.9(b) for a new or reconstructed affected source no later than 120 days after initial startup or 120 days after April 19, 2004, whichever is later. For an existing affected source, you must submit the initial notification no later than 1 year after April 19, 2004. If you are using compliance with the Surface Coating of Automobiles and Light-Duty Trucks NESHAP (40 CFR Part 63, Subpart IIII) as provided for under §63.4481(d) to constitute compliance with this subpart for any or all of your plastic parts coating operations, then you must include a statement to this effect in your initial notification, and no other notifications are required under this subpart in regard to those plastic parts coating operations. If you are complying with another NESHAP that constitutes the predominant activity at your facility under §63.4481(e)(2) to constitute compliance with this subpart for your plastic parts coating operations, then you must include a statement to this effect in your initial notification, and no other notifications are required under this subpart in regard to those plastic parts coating operations. [NOTE: THE FACILITY BECAME A MAJOR SOURCE ON 11/30/16; THEREFORE, PURSUANT TO §63.4510(b) AND §63.9(b)(2), THE INITIAL NOTIFICATION WAS REQUIRED TO HAVE BEEN SUBMITTED NO LATER THAN 3/30/17; THE PERMITTEE SUBMITTED THE INITIAL NOTIFICATION TO U.S. EPA AND DEP VIA A LETTER DATED OCTOBER 31, 2018 (RECEIVED BY DEP ON NOVEMBER 5, 2018)]

SPECIAL NOTE:

§63.9(b)(2) states:

§63.9(b)(2) The owner or operator of an affected source that has an initial startup before the effective date of a relevant standard under this part (i.e., 40 CFR Part 63) shall notify the Administrator in writing that the source is subject to the relevant standard. The notification, which shall be submitted not later than 120 calendar days after the effective date of the relevant standard (or within 120 calendar days after the source becomes subject to the relevant standard), shall provide the following information:

- (i) The name and address of the owner or operator;
- (ii) The address (i.e., physical location) of the affected source;
- (iii) An identification of the relevant standard, or other requirement, that is the basis of the notification and the source's compliance date;
- (iv) A brief description of the nature, size, design, and method of operation of the source and an identification of the types of emission points within the affected source subject to the relevant standard and types of hazardous air pollutants emitted; and
- (v) A statement of whether the affected source is a major source or an area source.

[NOTE: THE PERMITTEE SUBMITTED THE MACT SUBPART PPPP INITIAL NOTIFICATION REQUIRED BY §§63.4510(b) AND §63.9(b)(2) TO U.S. EPA VIA A LETTER DATED 10/31/18; A COPY OF THE LETTER WAS RECEIVED BY THE DEPARTMENT ON 11/05/18]

(c) Notification of compliance status. You must submit the notification of compliance status required by §63.9(h) no later than 30 calendar days following the end of the initial compliance period described in §63.4540, §63.4550, or §63.4560 that applies to your affected source. The notification of compliance status must contain the information specified in paragraphs (c)(1) through (11) of this section and in §63.9(h).

- (1) Company name and address.
- (2) 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.

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(3) Date of the report and beginning and ending dates of the reporting period. The reporting period is the initial compliance period described in §63.4540, §63.4550, or §63.4560 that applies to your affected source.

(4) Identification of the compliance option or options specified in §63.4491 that you used on each coating operation in the affected source during the initial compliance period.

(5) Statement of whether or not the affected source achieved the emission limitations for the initial compliance period.

(6) If you had a deviation, include the information in paragraphs (c)(6)(i) and (ii) of this section.

(i) A description and statement of the cause of the deviation.

(ii) If you failed to meet the applicable emission limit in §63.4490, include all the calculations you used to determine the kg (lb) organic HAP emitted per kg (lb) coating solids used. You do not need to submit information provided by the materials' suppliers or manufacturers, or test reports.

(7) For each of the data items listed in paragraphs (c)(7)(i) through (iv) of this section that is required by the compliance option(s) you used to demonstrate compliance with the emission limit, include an example of how you determined the value, including calculations and supporting data. Supporting data may include a copy of the information provided by the supplier or manufacturer of the example coating or material, or a summary of the results of testing conducted according to §63.4541(a), (b), or (c). You do not need to submit copies of any test reports.

(i) Mass fraction of organic HAP for one coating, for one thinner and/or other additive, and for one cleaning material.

(ii) Mass fraction of coating solids for one coating.

(iii) Density for one coating, one thinner and/or other additive, and one cleaning material, except that if you use the compliant material option, only the example coating density is required.

(iv) The amount of waste materials and the mass of organic HAP contained in the waste materials for which you are claiming an allowance in Equation 1 of §63.4551.

(8) The calculation of kg (lb) organic HAP emitted per kg (lb) coating solids used for the compliance option(s) you used, as specified in paragraphs (c)(8)(i) through (iii) of this section.

(i) For the compliant material option, provide an example calculation of the organic HAP content for one coating, using Equation 1 of §63.4541.

(ii) For the emission rate without add-on controls option, provide the calculation of the total mass of organic HAP emissions for each month; the calculation of the total mass of coating solids used each month; and the calculation of the 12-month organic HAP emission rate using Equations 1 and 1A through 1C, 2, and 3, respectively, of §63.4551.

(iii) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART PPPP]

(9) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART PPPP]

(10) [N/A - THE SINGLE EMISSION LIMIT REPRESENTING THE PREDOMINANT ACTIVITY UNDER §63.4490(c)(1) IS NOT APPLICABLE]

(11) [N/A - THE FACILITY-SPECIFIC EMISSION LIMIT UNDER §63.4490(c)(2) IS NOT APPLICABLE]

[NOTE: THE FACILITY BECAME A MAJOR SOURCE ON 11/30/16; THEREFORE, PURSUANT TO §63.4483(a)(2), THE RELEVANT COMPLIANCE DATE FOR THE GROUP 011 SOURCES WAS 11/30/16; THEREFORE, REGARDLESS OF WHETHER THE COMPLIANT MATERIAL COMPLIANCE OPTION OR THE EMISSION RATE WITHOUT ADD-ON CONTROLS COMPLIANCE OPTION IS SELECTED, THE INITIAL COMPLIANCE PERIOD ADDRESSES THE PERIOD OF 11/30/16 THROUGH 11/30/17 AND THE NOTIFICATION OF COMPLIANCE STATUS WAS DUE NO LATER THAN 12/30/17; HOWEVER, SEE SECTION E (GROUP 011), CONDITION #010, BELOW]

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[69 FR 20990, Apr. 19, 2004, as amended at 69 FR 22661, Apr. 26, 2004]

§63.4520 What reports must I submit?

(a) Semiannual compliance reports. You must submit semiannual compliance reports for each affected source according to the requirements of paragraphs (a)(1) through (7) of this section. The semiannual compliance reporting requirements may be satisfied by reports required under other parts of the Clean Air Act (CAA), as specified in paragraph (a)(2) of this section.

(1) Dates. Unless the Administrator has approved or agreed to a different schedule for submission of reports under §63.10(a), you must prepare and submit each semiannual compliance report according to the dates specified in paragraphs (a)(1)(i) through (iv) of this section. 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) The first semiannual compliance report must cover the first semiannual reporting period which begins the day after the end of the initial compliance period described in §63.4540, §63.4550, or §63.4560 that applies to your affected source and ends on June 30 or December 31, whichever date is the first date following the end of the initial compliance period. [NOTE: THE FIRST SEMIANNUAL COMPLIANCE REPORT MUST COVER THE PERIOD OF 12/01/17 THROUGH 12/31/17; THE FIRST SEMIANNUAL COMPLIANCE REPORT WAS REQUIRED TO HAVE BEEN POSTMARKED OR DELIVERED NO LATER THAN 1/31/18 PURSUANT TO §63.4520(a)(1)(iii), BELOW; HOWEVER, SEE SECTION E (GROUP 011), CONDITION #010, BELOW]

(ii) Each subsequent semiannual compliance report must cover the subsequent semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. [NOTE: SEE SECTION E (GROUP 011), CONDITION #010, BELOW]

(iii) Each semiannual compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period. [NOTE: SEE SECTION E (GROUP 011), CONDITION #010, BELOW]

(iv) For each affected source that is subject to permitting regulations pursuant to 40 CFR Part 70 or 40 CFR Part 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR §70.6(a)(3)(iii)(A) or 40 CFR §71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the date specified in paragraph (a)(1)(iii) of this section.

(2) Inclusion with Title V report. Each affected source that has obtained a Title V operating permit pursuant to 40 CFR Part 70 or 40 CFR Part 71 must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR §70.6(a)(3)(iii)(A) or 40 CFR §71.6(a)(3)(iii)(A). If an affected source submits a semiannual compliance report pursuant to this section along with, or as part of, the semiannual monitoring report required by 40 CFR §70.6(a)(3)(iii)(A) or 40 CFR §71.6(a)(3)(iii)(A), and the semiannual compliance report includes all required information concerning deviations from any emission limitation in this subpart, 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.

(3) General requirements. The semiannual compliance report must contain the information specified in paragraphs (a)(3)(i) through (vii) of this section, and the information specified in paragraphs (a)(4) through (7) and (c)(1) of this section that is applicable to your 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.

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(iv) Identification of the compliance option or options specified in §63.4491 that you used on each coating operation during the reporting period. If you switched between compliance options during the reporting period, you must report the beginning and ending dates for each option you used.

(v) If you used the emission rate without add-on controls or the emission rate with add-on controls compliance option (§63.4491(b) or (c)), the calculation results for each rolling 12-month organic HAP emission rate during the 6-month reporting period.

(vi) [N/A - THE FACILITY'S SURFACE COATING OPERATIONS MEET THE APPLICABILITY CRITERIA OF ONLY ONE OF THE SUBCATEGORY EMISSION LIMITS SPECIFIED IN §63.4490(a); THEREFORE, §63.4490(c)(1) IS NOT APPLICABLE]

(vii) [N/A - THE FACILITY'S SURFACE COATING OPERATIONS MEET THE APPLICABILITY CRITERIA OF ONLY ONE OF THE SUBCATEGORY EMISSION LIMITS SPECIFIED IN §63.4490(a); THEREFORE, §63.4490(c)(2) IS NOT APPLICABLE]

(4) No deviations. If there were no deviations from the emission limitations in §§63.4490, 63.4492, and 63.4493 that apply to you, the semiannual compliance report must include a statement that there were no deviations from the emission limitations during the reporting period. If you 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 §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.

(5) Deviations: Compliant material option. If you used the compliant material option and there was a deviation from the applicable organic HAP content requirements in §63.4490, the semiannual compliance report must contain the information in paragraphs (a)(5)(i) through (iv) of this section.

(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 and time periods each was used.

(ii) The calculation of the organic HAP content (using Equation 1 of §63.4541) for each coating identified in paragraph (a)(5)(i) of this section. You do 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 (a)(5)(i) of this section. You do 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.

(6) Deviations: Emission rate without add-on controls option. If you used the emission rate without add-on controls option and there was a deviation from the applicable emission limit in §63.4490, the semiannual compliance report must contain the information in paragraphs (a)(6)(i) through (iii) of this section.

(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 §63.4490.

(ii) The calculations used to determine the 12-month organic HAP emission rate for the compliance period in which the deviation occurred. You must submit the calculations for Equations 1, 1A through 1C, 2, and 3 of §63.4551; and if applicable, the calculation used to determine mass of organic HAP in waste materials according to §63.4551(e)(4). You do 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.

(7) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART PPPP]

(b) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART PPPP]

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(c) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART PPPP]

§63.4530 What records must I keep?

You must collect and keep records of the data and information specified in this section. Failure to collect and keep these records is a deviation from the applicable standard.

(a) A copy of each notification and report that you submitted to comply with this subpart, and the documentation supporting each notification and report. If you are using the predominant activity alternative under §63.4490(c), you must keep records of the data and calculations used to determine the predominant activity. If you are using the facility-specific emission limit alternative under §63.4490(c), you must keep records of the data used to calculate the facility-specific emission limit for the initial compliance demonstration. You 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 mass fraction of coating solids for each coating. If you conducted testing to determine mass fraction of organic HAP, density, or mass fraction of coating solids, you must keep a copy of the complete test report. If you use information provided to you by the manufacturer or supplier of the material that was based on testing, you must keep the summary sheet of results provided to you by the manufacturer or supplier. You are not required to obtain the test report or other supporting documentation from the manufacturer or supplier.

(c) For each compliance period, the records specified in paragraphs (c)(1) through (4) of this section.

(1) A record of the coating operations on which you used each compliance option and the time periods (beginning and ending dates and times) for each option you used.

(2) For the compliant material option, a record of the calculation of the organic HAP content for each coating, using Equation 1 of §63.4541.

(3) 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 §63.4551 and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to §63.4551(e)(4); the calculation of the total mass of coating solids used each month using Equation 2 of §63.4551; and the calculation of each 12-month organic HAP emission rate using Equation 3 of §63.4551.

(4) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART PPPP]

(d) A record of the name and mass of each coating, thinner and/or other additive, and cleaning material used during each compliance period. If you are using the compliant material option for all coatings at the source, you may maintain purchase records for each material used rather than a record of the mass 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.

(f) A record of the mass fraction of coating solids for each coating used during each compliance period.

(g) If you use an allowance in Equation 1 of §63.4551 for organic HAP contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to §63.4551(e)(4), you must keep records of the information specified in paragraphs (g)(1) through (3) of this section.

(1) The name and address of each TSDF to which you sent waste materials for which you use an allowance in Equation 1 of §63.4551, a statement of which subparts under 40 CFR Parts 262, 264, 265, and 266 apply to the facility; and the date of each shipment.

(2) Identification of the coating operations producing waste materials included in each shipment and the month or months

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in which you used the allowance for these materials in Equation 1 of §63.4551.

(3) The methodology used in accordance with §63.4551(e)(4) 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.

(h) You must keep records of the date, time, and duration of each deviation.

(i) [N/A - THE FACILITY DOES NOT EMPLOY ADD-ON CONTROLS TO COMPLY WITH MACT SUBPART PPPP]

§63.4531 In what form and for how long must I keep my records?

(a) Your records must be in a form suitable and readily available for expeditious review, according to §63.10(b)(1). Where appropriate, the records may be maintained as electronic spreadsheets or as a database.

(b) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You 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 §63.10(b)(1). You may keep the records off-site for the remaining 3 years.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.4540]

Subpart PPPP - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products

By what date must I conduct the initial compliance demonstration?

Compliance Requirements for the Compliant Material Option

§63.4540 By what date must I conduct the initial compliance demonstration?

You must complete the initial compliance demonstration for the initial compliance period according to the requirements in §63.4541. The initial compliance period begins on the applicable compliance date specified in §63.4483 and ends on the last day of the 12th month following the compliance date. If the compliance date occurs on any day other than the first day of a month, then the initial compliance period extends through that month plus the next 12 months. The initial compliance demonstration includes the calculations according to §63.4541 and supporting documentation showing that during the initial compliance period, you used no coating with an organic HAP content that exceeded the applicable emission limit in §63.4490, and that you used no thinners and/or other additives, or cleaning materials that contained organic HAP as determined according to §63.4541(a). [NOTE: THE FACILITY BECAME A MAJOR SOURCE ON 11/30/16; THEREFORE, PURSUANT TO §63.4483(a)(2), THE RELEVANT COMPLIANCE DATE FOR THE GROUP 011 SOURCES WAS 11/30/16; THEREFORE, IF THIS COMPLIANCE OPTION IS CHOSEN, THE INITIAL COMPLIANCE PERIOD ADDRESSES THE PERIOD OF 11/30/16 THROUGH 11/30/17]

§63.4541 How do I demonstrate initial compliance with the emission limitations?

You 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. You 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 you do 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 §63.4490 and must use no thinner and/or other additive, or cleaning material that contains organic HAP as determined according to this section. Any coating operation for which you use the compliant material option is not required to meet the operating limits or work practice standards required in §§63.4492 and 63.4493, respectively. You must conduct a separate initial compliance demonstration for each general use coating, thermoplastic olefin (TPO) coating, automotive lamp coating, and assembled on-road vehicle coating affected source unless you are demonstrating compliance with a predominant activity or facility-specific emission limit as provided in §63.4490(c). If you are demonstrating compliance with a predominant activity or facility-specific emission limit as provided in §63.4490(c), you must demonstrate that all coating

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operations included in the predominant activity determination or calculation of the facility-specific emission limit comply with that limit. You must meet all the requirements of this section. Use the procedures in this section 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. You do 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 you have documentation showing that you received back the exact same materials that were sent off-site) and reused in the coating operation for which you use the compliant material option, provided these materials in their condition as received were demonstrated to comply with the compliant material option.

(a) Determine the mass fraction of organic HAP for each material used. You 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)(1) through (5) of this section.

(1) Method 311 (Appendix A to 40 CFR Part 63). You may use Method 311 for determining the mass fraction of organic HAP. Use the procedures specified in paragraphs (a)(1)(i) and (ii) of this section when performing a Method 311 test.

(i) Count each organic HAP that is measured to be present at 0.1% by mass or more for Occupational Safety and Health Administration (OSHA)-defined carcinogens as specified in 29 CFR §1910.1200(d)(4) and at 1.0% by mass or more for other compounds. For example, if toluene (not an OSHA-defined carcinogen) is measured to be 0.5% of the material by mass, you do not have to count it. Express the mass fraction of each organic HAP you count 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).

(2) Method 24 (Appendix A to 40 CFR Part 60). For coatings, you 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, you may use the alternative method contained in Appendix A to this subpart, rather than Method 24. You may use the volatile fraction that is emitted, as measured by the alternative method in Appendix A to this subpart, as a substitute for the mass fraction of organic HAP.

(3) Alternative method. You may use an alternative test method for determining the mass fraction of organic HAP once the Administrator has approved it. You must follow the procedure in §63.7(f) to submit an alternative test method for approval.

(4) Information from the supplier or manufacturer of the material. You may rely on information other than that generated by the test methods specified in paragraphs (a)(1) through (3) of this section, such as manufacturer's formulation data, if it represents each organic HAP that is present at 0.1% by mass or more for OSHA-defined carcinogens as specified in 29 CFR §1910.1200(d)(4) and at 1.0% by mass or more for other compounds. For example, if toluene (not an OSHA-defined carcinogen) is 0.5% of the material by mass, you do 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, you 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)(1) through (3) of this section, then the test method results will take precedence unless, after consultation, you demonstrate to the satisfaction of the enforcement agency that the formulation data are correct.

(5) 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, you may use the default values for the mass fraction of organic HAP in these solvent blends listed in Table 3 or 4 to this subpart. If you use the tables, you must use the values in Table 3 for all solvent blends that match Table 3 entries according to the instructions for Table 3, and you may use Table 4 only if the solvent blends in the materials you use do not match any of the solvent blends in Table 3 and you know 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 in Table 3 or 4 to this subpart, the Method 311 results will take precedence unless, after consultation, you demonstrate to the satisfaction of the enforcement agency that the formulation data are correct.

(b) Determine the mass fraction of coating solids for each coating. You must determine the mass fraction of coating solids

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(kg (lb) of coating solids per kg (lb) 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 (b)(1) through (3) of this section.

(1) Method 24 (Appendix A to 40 CFR Part 60). Use Method 24 for determining the mass fraction of coating solids. For reactive adhesives in which some of the liquid fraction reacts to form solids, you may use the alternative method contained in Appendix A to this subpart, rather than Method 24, to determine the mass fraction of coating solids.

(2) Alternative method. You may use an alternative test method for determining the solids content of each coating once the Administrator has approved it. You must follow the procedure in §63.7(f) to submit an alternative test method for approval.

(3) Information from the supplier or manufacturer of the material. You may obtain the mass fraction of coating solids for each coating from the supplier or manufacturer. If there is disagreement between such information and the test method results, then the test method results will take precedence unless, after consultation, you demonstrate to the satisfaction of the enforcement agency that the formulation data are correct.

(c) Calculate the organic HAP content of each coating. Calculate the organic HAP content, kg (lb) organic HAP emitted per kg (lb) coating solids used, of each coating used during the compliance period using Equation 1 of this section:

$$H_c = (W_c) / (S_c) \quad \{\text{Equation 1}\}$$

Where:

H_c = Organic HAP content of the coating, kg (lb) of organic HAP emitted per kg (lb) coating solids used;

W_c = Mass fraction of organic HAP in the coating, kg organic HAP per kg coating, determined according to paragraph (a) of this section;

S_c = Mass fraction of coating solids, kg coating solids per kg coating, determined according to paragraph (b) of this section; and

The symbol "/" means "divided by".

(d) Compliance demonstration. The calculated organic HAP content for each coating used during the initial compliance period must be less than or equal to the applicable emission limit in §63.4490; and each thinner and/or other additive, and cleaning material used during the initial compliance period must contain no organic HAP, determined according to paragraph (a) of this section. You must keep all records required by §§63.4530 and 63.4531. As part of the notification of compliance status required in §63.4510, you must identify the coating operation(s) for which you used the compliant material option and submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the initial compliance period because you used no coatings for which the organic HAP content exceeded the applicable emission limit in §63.4490, and you used no thinners and/or other additives, or cleaning materials that contained organic HAP, determined according to the procedures in paragraph (a) of this section.

§63.4542 How do I demonstrate continuous compliance with the emission limitations?

(a) For each compliance period to demonstrate continuous compliance, you must use no coating for which the organic HAP content (determined using Equation 1 of §63.4541) exceeds the applicable emission limit in §63.4490, and use no thinner and/or other additive, or cleaning material that contains organic HAP, determined according to §63.4541(a). A compliance period consists of 12 months. Each month, after the end of the initial compliance period described in §63.4540, is the end of a compliance period consisting of that month and the preceding 11 months. If you are complying with a facility-specific emission limit under §63.4490(c), you must also perform the calculation using Equation 1 in §63.4490(c)(2) on a monthly basis using the data from the previous 12 months of operation.

(b) If you choose 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 paragraph (a) of this section is a deviation from the emission limitations that must be reported as specified in §§63.4510(c)(6) and 63.4520(a)(5).

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(c) As part of each semiannual compliance report required by §63.4520, you must identify the coating operation(s) for which you used the compliant material option. If there were no deviations from the applicable emission limit in §63.4490, submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the reporting period because you used no coatings for which the organic HAP content exceeded the applicable emission limit in §63.4490, and you used no thinner and/or other additive, or cleaning material that contained organic HAP, determined according to §63.4541(a).

(d) You must maintain records as specified in §§63.4530 and 63.4531.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.4550]**Subpart PPPP - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products****By what date must I conduct the initial compliance demonstration?**

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

§63.4550 By what date must I conduct the initial compliance demonstration?

You must complete the initial compliance demonstration for the initial compliance period according to the requirements of §63.4551. The initial compliance period begins on the applicable compliance date specified in §63.4483 and ends on the last day of the 12th month following the compliance date. If the compliance date occurs on any day other than the first day of a month, then the initial compliance period extends through the end of that month plus the next 12 months. You must determine the mass of organic HAP emissions and mass of coating solids used each month and then calculate an organic HAP emission rate at the end of the initial compliance period. The initial compliance demonstration includes the calculations according to §63.4551 and supporting documentation showing that during the initial compliance period the organic HAP emission rate was equal to or less than the applicable emission limit in §63.4490. [NOTE: THE FACILITY BECAME A MAJOR SOURCE ON 11/30/16; THEREFORE, PURSUANT TO §63.4483(a)(2), THE RELEVANT COMPLIANCE DATE FOR THE GROUP 011 SOURCES WAS 11/30/16; THEREFORE, IF THIS COMPLIANCE OPTION IS CHOSEN, THE INITIAL COMPLIANCE PERIOD ADDRESSES THE PERIOD OF 11/30/16 THROUGH 11/30/17]

§63.4551 How do I demonstrate initial compliance with the emission limitations?

You 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. You 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 you do 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 §63.4490, but is not required to meet the operating limits or work practice standards in §§63.4492 and 63.4493, respectively. You must conduct a separate initial compliance demonstration for each general use, thermoplastic olefin (TPO), automotive lamp, and assembled on-road vehicle coating operation unless you are demonstrating compliance with a predominant activity or facility-specific emission limit as provided in §63.4490(c). If you are demonstrating compliance with a predominant activity or facility-specific emission limit as provided in §63.4490(c), you must demonstrate that all coating operations included in the predominant activity determination or calculation of the facility-specific emission limit comply with that limit. You must meet all the requirements of this section. When calculating the organic HAP emission rate according to this section, do not include any coatings, thinners and/or other additives, or cleaning materials used on coating operations for which you use the compliant material option or the emission rate with add-on controls option. You do 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 you have documentation showing that you received back the exact same materials that were sent off-site) and reused in the coating operation for which you use the emission rate without add-on controls option. If you use 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 §63.4541(a).

(b) Determine the mass fraction of coating solids. Determine the mass fraction of coating solids (kg (lb) of coating solids

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per kg (lb) of coating) for each coating used during each month according to the requirements in §63.4541(b).

(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 Method D1475-98, "Standard Test Method for Density of Liquid Coatings, Inks, and Related Products" (incorporated by reference, see §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 D1475-98 and other such information sources, the test results will take precedence unless, after consultation, you demonstrate to the satisfaction of the enforcement agency that the formulation data are correct. If you purchase materials or monitor consumption by weight instead of volume, you do not need to determine material density. Instead, you may use the material weight in place of the combined terms for density and volume in Equations 1A, 1B, 1C, and 2 of this section.

(d) Determine the volume of each material used. Determine the volume (liters) of each coating, thinner and/or other additive, and cleaning material used during each month by measurement or usage records. If you purchase materials or monitor consumption by weight instead of volume, you do not need to determine the volume of each material used. Instead, you may use the material weight in place of the combined terms for density and volume in Equations 1A, 1B, 1C, and 2 of this section.

(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 section.

$$He = A + B + C - R_w \quad \text{(Equation 1)}$$

Where:

He = Total mass of organic HAP emissions during the month, kg;

A = Total mass of organic HAP in the coatings used during the month, kg, as calculated in Equation 1A of this section;

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

C = Total mass of organic HAP in the cleaning materials used during the month, kg, as calculated in Equation 1C of this section;

R_w = Total mass of organic HAP in waste materials sent or designated for shipment to a hazardous waste treatment, storage, and disposal facility (TSDF) for treatment or disposal during the month, kg, determined according to paragraph (e)(4) of this section. You may assign a value of zero to R_w if you do not wish to use this allowance; and

The symbol "-" means "minus".

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

$$A = \sum_{i=1}^m [(Vol_{c,i}) \times (D_{c,i}) \times (W_{c,i})] \quad \text{(Equation 1A)}$$

Where:

A = Total mass of organic HAP in the coatings used during the month, kg;

∑ = Symbol used to denote summation such that "∑_{i=1}^m A_i" means summation of values A_i for "i" ranging from 1 to the last value "m" where "m" is the number of non-zero values of "A_i";

m = Number of different coatings used during the month;

Vol_{c,i} = Total volume of coating, i, used during the month, liters;

SECTION E. Source Group Restrictions.

$D_{c,i}$ = Density of coating, i , kg coating per liter coating;

$W_{c,i}$ = Mass fraction of organic HAP in coating, i , kg organic HAP per kg coating. For reactive adhesives as defined in §63.4581, use the mass fraction of organic HAP that is emitted as determined using the method in Appendix A to this subpart; and

The symbol "x" means "multiplied by".

(2) Calculate the kg of organic HAP in the thinners and/or other additives used during the month using Equation 1B of this section:

$$B = \left\{ \sum_{j=1}^n [(V_{t,j}) \times (D_{t,j}) \times (W_{t,j})] \right\} \quad \text{\{Equation 1B\}}$$

Where:

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

\sum = Symbol used to denote summation such that " $\sum_{j=1}^n A_j$ " means summation of values A_j for " j " ranging from 1 to the last value " n " where " n " is the number of non-zero values of " A_j ";

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

$V_{t,j}$ = Total volume of thinner and/or other additive, j , used during the month, liters;

$D_{t,j}$ = Density of thinner and/or other additive, j , kg per liter;

$W_{t,j}$ = Mass fraction of organic HAP in thinner and/or other additive, j , kg organic HAP per kg thinner and/or other additive. For reactive adhesives as defined in §63.4581, use the mass fraction of organic HAP that is emitted as determined using the method in Appendix A to this subpart; and

The symbol "x" means "multiplied by".

(3) Calculate the kg organic HAP in the cleaning materials used during the month using Equation 1C of this section:

$$C = \left\{ \sum_{k=1}^p [(V_{s,k}) \times (D_{s,k}) \times (W_{s,k})] \right\} \quad \text{\{Equation 1C\}}$$

Where:

C = Total mass of organic HAP in the cleaning materials used during the month, kg;

\sum = Symbol used to denote summation such that " $\sum_{k=1}^p A_k$ " means summation of values A_k for " k " ranging from 1 to the last value " p " where " p " is the number of non-zero values of " A_k ";

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

$V_{s,k}$ = Total volume of cleaning material, k , used during the month, liters;

$D_{s,k}$ = Density of cleaning material, k , kg per liter;

$W_{s,k}$ = Mass fraction of organic HAP in cleaning material, k , kg organic HAP per kg material; and

The symbol "x" means "multiplied by".

(4) If you choose 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 section, then you must determine the mass according to paragraphs (e)(4)(i) through (iv) of this section.

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(i) You may only include waste materials in the determination that are generated by coating operations in the affected source for which you use Equation 1 of this section 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. You may not include organic HAP contained in wastewater.

(ii) You 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 your determination any waste materials sent to a TSDF during a month if you have already included them in the amount collected and stored during that month or a previous month.

(iii) Determine the total mass of organic HAP contained in the waste materials specified in paragraph (e)(4)(ii) of this section.

(iv) You must document the methodology you use to determine the amount of waste materials and the total mass of organic HAP they contain, as required in §63.4530(g). 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 mass of coating solids used. Determine the total mass of coating solids used, kg, which is the combined mass of coating solids for all the coatings used during each month, using Equation 2 of this section:

$$Mst = \left\{ \sum_{i=1}^m [(Volc,i) \times (Dc,i) \times (Ms,i)] \right\} \quad \text{Equation 2}$$

Where:

Mst = Total mass of coating solids used during the month, kg;

\sum = Symbol used to denote summation such that " $\sum_{i=1}^m A_i$ " means summation of values A_i for "i" ranging from 1 to the last value "m" where "m" is the number of non-zero values of " A_i ";

m = Number of coatings used during the month;

Volc,i = Total volume of coating, i, used during the month, liters;

Dc,i = Density of coating, i, kgs per liter coating, determined according to §63.4551(c);

Ms,i = Mass fraction of coating solids for coating, i, kgs solids per kg coating, determined according to §63.4541(b); and

The symbol "x" means "multiplied by".

(g) Calculate the organic HAP emission rate. Calculate the organic HAP emission rate for the compliance period, kg (lb) organic HAP emitted per kg (lb) coating solids used, using Equation 3 of this section:

$$Hyr = \left[\left\{ \sum_{y=1}^n (He) \right\} / \left\{ \sum_{y=1}^n (Mst) \right\} \right] \quad \text{Equation 3}$$

Where:

Hyr = Average organic HAP emission rate for the compliance period, kg organic HAP emitted per kg coating solids used;

\sum = Symbol used to denote summation such that " $\sum_{y=1}^n A_y$ " means summation of values A_y for "y" ranging from 1 to the last value "n" where "n" is the number of non-zero values of " A_y ";

n = Number of full or partial months in the compliance period (for the initial compliance period, n equals 12 if the compliance date falls on the first day of a month; otherwise n equals 13; for all following compliance periods, n equals 12);

y = Identifier for months;

He = Total mass of organic HAP emissions from all materials used during month, y, kg, as calculated by Equation 1 of this

**SECTION E. Source Group Restrictions.**

section;

Mst = Total mass of coating solids used during month, y, kg, as calculated by Equation 2 of this section; and

The symbol "/" means "divided by".

(h) Compliance demonstration. The organic HAP emission rate for the initial compliance period calculated using Equation 3 of this section must be less than or equal to the applicable emission limit for each subcategory in §63.4490 or the predominant activity or facility-specific emission limit allowed in §63.4490(c). You must keep all records as required by §§63.4530 and 63.4531. As part of the notification of compliance status required by §63.4510, you must identify the coating operation(s) for which you used the emission rate without add-on controls option and submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the initial compliance period because the organic HAP emission rate was less than or equal to the applicable emission limit in §63.4490, determined according to the procedures in this section.

§63.4552 How do I demonstrate continuous compliance with the emission limitations?

(a) To demonstrate continuous compliance, the organic HAP emission rate for each compliance period, determined according to §63.4551(a) through (g), must be less than or equal to the applicable emission limit in §63.4490. A compliance period consists of 12 months. Each month after the end of the initial compliance period described in §63.4550 is the end of a compliance period consisting of that month and the preceding 11 months. You must perform the calculations in §63.4551(a) through (g) on a monthly basis using data from the previous 12 months of operation. If you are complying with a facility-specific emission limit under §63.4490(c), you must also perform the calculation using Equation 1 in §63.4490(c)(2) on a monthly basis using the data from the previous 12 months of operation.

(b) If the organic HAP emission rate for any 12-month compliance period exceeded the applicable emission limit in §63.4490, this is a deviation from the emission limitation for that compliance period and must be reported as specified in §§63.4510(c)(6) and 63.4520(a)(6).

(c) As part of each semiannual compliance report required by §63.4520, you must identify the coating operation(s) for which you used the emission rate without add-on controls option. If there were no deviations from the emission limitations, you 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 §63.4490, determined according to §63.4551(a) through (g).

(d) You must maintain records as specified in §§63.4530 and 63.4531.

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.4581]

Subpart PPPP - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products

What definitions apply to this subpart?

Other Requirements and Information

§63.4581 What definitions apply to this subpart?

Terms used in 40 CFR Part 63, Subpart PPPP - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products, as well as Section E, Group 011, are defined in the Clean Air Act (CAA); in §63.2 (General Provisions); and in §63.4581.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.4581]

Subpart PPPP - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products

What definitions apply to this subpart?

This condition constitutes a compliance schedule pursuant to 25 Pa. Code §127.445:

1.) By no later than 4/30/19, the permittee shall submit a MACT Subpart PPPP Notification of Compliance Status (NOCS) containing the results of the initial compliance demonstration pursuant to 40 CFR §§63.4510(c) and 63.9(h).

**SECTION E. Source Group Restrictions.**

2.) By no later than 4/30/19, the permittee shall submit the first MACT Subpart P PPP semiannual compliance report covering the period of 12/01/17 – 12/31/17 pursuant to 40 CFR §63.4520(a)(1)(i).

3.) By no later than 4/30/19, the permittee shall submit a MACT Subpart P PPP semiannual compliance report covering the period of 1/01/18 – 6/30/18 pursuant to 40 CFR §63.4520(a)(1)(ii).

4.) By no later than 4/30/19, the permittee shall submit a MACT Subpart P PPP semiannual compliance report covering the period of 7/01/18 – 12/31/18 pursuant to 40 CFR §63.4520(a)(1)(ii).

5.) The permittee shall submit copies of the NOCS referenced in 1.), above, and the semiannual compliance reports referenced in 2.) through 4.), above, to both the U.S. Environmental Protection Agency (U.S. EPA) and the Department. The U.S. EPA copies shall be forwarded to:

Director
Air Protection Division
U.S. EPA, Region III (3AP00)
1650 Arch Street
Philadelphia, PA 19103-2029

The Department copies shall be forwarded to:

Regional Air Program Manager
PA Department of Environmental Protection
909 Elmerton Avenue
Harrisburg, PA 17110-8200

***** Permit Shield in Effect. *****



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.



SECTION G. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.



SECTION H. Miscellaneous.

NOTE: The capacities/throughputs listed in Section A are for informational use only and should not be used as enforceable limitations.

The following sources of minor significance have been exempted from testing, monitoring, recordkeeping, and reporting requirements:

- * Main Sanding/Final Finishing/Trim Rooms Controlled by Three Fabric Collectors
- * Aqueous Parts Washers
- * Bake Booth (construction date = 7/02/18) equipped with a Natural Gas-fired Dryer (maximum rated heat input capacity = 1.2 mMBTU/hr). This source was the subject of RFD No. 1932 (plan approval exemption approved via letter dated 11/20/18) and is used for the hardening of a specific adhesive (i.e., Bostik 70-03A) used in the Underframe Bonding Cure manufacturing process. The associated emission increases were estimated to be below each pollutant's respective allowable de minimis emission increase threshold authorized by 25 Pa. Code §127.449(d). [RFD = Request for Determination of Changes of Minor Significance and Exemption from Plan Approval Requirements]

The following serves as a description of some of the Source IDs:

Source IDs 101 and 102 were previously the subject of Operating Permit No. 01-313-002.

Source IDs 201 and 202 were previously the subject of Plan Approval No. 01-05018A.

Source ID 203 was the subject of RFD #0828 (plan approval exemption approved via letter dated 10/24/13). [RFD = Request for Determination of Changes of Minor Significance and Exemption from Plan Approval Requirements]

Source ID 301 was the subject of RFD No. 1541 (plan approval exemption approved via letter dated 2/21/17). Annual surface coating VOC emissions (including any associated cleanup solvent usage) are limited to = 2.7 tons during any consecutive 12-month period. [RFD = Request for Determination of Changes of Minor Significance and Exemption from Plan Approval Requirements]

This Title V operating permit (O.P. No. 01-05041) supersedes and replaces State-Only O.P. No. 01-05018 (issue date: 1/07/16; effective date: 1/07/16).



***** End of Report *****
