



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM**

**TITLE V/STATE OPERATING PERMIT**

Issue Date: May 5, 2022

Effective Date: June 1, 2022

Expiration Date: May 31, 2027

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: 36-05001**

Federal Tax Id - Plant Code: 23-0366390-3

**Owner Information**

Name: ARMSTRONG WORLD IND INC

Mailing Address: 1507 RIVER RD  
MARIETTA, PA 17547-9403

**Plant Information**

Plant: ARMSTRONG WORLD IND INC/MARIETTA CEILING PLT

Location: 36 Lancaster County 36925 East Donegal Township

SIC Code: 3999 Manufacturing - Manufacturing Industries, Nec

**Responsible Official**

Name: JOSEPH J HINNENKAMP

Title: PLANT MGR

Phone: (717) 426 - 7122

Email: jjhinnenkamp@armstrongceilings.cor

**Permit Contact Person**

Name: WILLIAM E GAMBLER

Title: EHS MGR

Phone: (717) 719 - 0711

Email: wegambler@armstrongceilings.com

[Signature] \_\_\_\_\_

WILLIAM R. WEAVER, SOUTH CENTRAL REGION AIR PROGRAM MANAGER



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**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
033	BURNHAM BOARDMILL BOILER	9.000 MMBTU/HR	
		8.820 MCF/HR	Natural Gas
102	PERLITE EXPANDER 102-11	10.000 MCF/HR	Natural Gas
		5.400 Tons/HR	PERLITE
103	PERLITE EXPANDER 103-11	10.000 MCF/HR	Natural Gas
		5.400 Tons/HR	PERLITE
104	BOARDMILL LINE	188.000 MCF/HR	Natural Gas
		55.000 Tons/HR	CEILING BOARD
116	SMALL SPACE HEATERS	110.000 MCF/HR	Natural Gas
130	NO. 3 TENONER	26.000 Tons/HR	CEILING TILE
131	DUST SILO 31	145.000 Lbs/HR	CEILING TILE DUST
204	NO. 1 EQUALIZER 204-3	26.000 Tons/HR	CEILING BOARD
210	NO. 3 EQUALIZER	26.000 Tons/HR	CEILING BOARD
250	PIF LINE	41.000 MCF/HR	Natural Gas
		26.000 Tons/HR	CEILING BOARD
251	PRIME & INTERMEDIATE LINE	36.000 MCF/HR	Natural Gas
		26.000 Tons/HR	CEILING BOARD
301	EMERGENCY GENERATORS		
302	CUMMINS EMERGENCY GENERATORS		
485	PHOENIX LINE	4.500 MCF/HR	Natural Gas
		2.000 Tons/HR	CEILING BOARD
486	EDGE TRIM & END TRIM SAWS(SOUND SOAK)	7.000 Tons/HR	CEILING BOARD
501	PAINT MIXING OPERATION		
503	PERLITE EXPANDER 3	10.000 MCF/HR	Natural Gas
		5.000 Tons/HR	PERLITE
504	TILE FINISHING LINE	15.000 MCF/HR	Natural Gas
		26.000 Tons/HR	CEILING BOARD
510	FINISHING LINE 2 - SIZING / FINISHING OPS		
511	FINISHING LINE 2 - THREE (3) SPRAY BOOTHS		
512	FINISHING LINE 2 - 14 MMBTU/HR DRYER	13.725 MCF/HR	Natural Gas
513	FINISHING LINE 2 - DUST TRANSFER SYSTEM		
600	TRASH COMPACTOR		
700	275 GAL GASOLINE STORAGE TANK		
900	COLD CLEANING MACHINES (DEGREASERS)		
901	CLEANING SOLVENTS		
C104A	"A" EMTROL SCRUBBER		
C104B	"B" EMTROL SCRUBBER		
C104E	BAGHOUSE 28		
C104G	SCRUBBER 10		
C104H	BAGHOUSE #41		
C104I	BAGHOUSE #42		

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
C104J	BAGHOUSE #43		
C130	BAGHOUSE 30 (BH 30)		
C250A	PIF PRIME BOOTH WATER CURTAIN		
C250B	PIF INTERMEDIATE BOOTH WATER CURTAIN		
C250C	PIF FINISH BOOTH WATER CURTAIN		
C251B	WATER CURTAIN		
C251C	50,000 CFM P&I BH#38 (WEST)		
C251D	50,000 CFM P&I BH#39 (EAST)		
C251E	830 CFM P&I PNEUM CONVEY RECEIVER BH#40		
C485A	BOOTH 1 WATERWASH FILTERS		
C485B	BOOTH 2 WATERWASH FILTERS		
C485C	BOOTH 3 WATERWASH FILTERS		
C485D	BOOTH 4 WATERWASH FILTERS		
C485E	BAGHOUSE 33 (450 CFM)		
C501	VENTURI SCRUBBER		
C504B	NO. 5 BAGHOUSE		
C504C	FOUR (4) CYCLONES		
C504D	7,063 CFM TILE VACUUM STACKER/FEEDER BH		
C510A	FINISHING LINE 2 - SIZE/FINISH OPS BAGHOUSE NO.1		
C510B	FINISHING LINE 2 - SIZE/FINISH OPS BAGHOUSE NO.2		
C511A	FINISHING LINE 2 - BOOTH 1 CYCLONES		
C511B	FINISHING LINE 2 - BOOTH 2 CYCLONES		
C511C	FINISHING LINE 2 - BOOTH 3 CYCLONES		
C513	FINISHING LINE 2 - DUST TRANSFER BIN VENT FILTER		
C600	TRASH COMPACTOR BAGHOUSE		
C86	STACLEAN FABRIC FILTER (BUILDING 3)		
D01	BAGHOUSE 4		
D02	DUCON SCRUBBER		
D04	#26 BAGHOUSE FLEX-KLEEN		
D05	BAGHOUSE 27		
FM001	NATURAL GAS PIPELINE		
S01	BAGHOUSE 4 STACK		
S02	SCRUBBER STACK		
S033	BURNHAM BOILER STACK		
S104A	"A" SCRUBBER EXHAUST		
S104B	"B" SCRUBBER EXHAUST		
S104E	BAGHOUSE 28 STACK		
S104G	SCRUBBER 10 STACK		
S104H	BAGHOUSE #41 STACK		

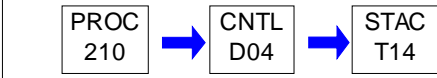
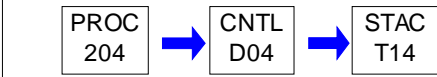
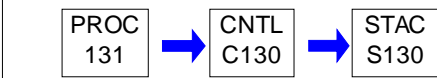
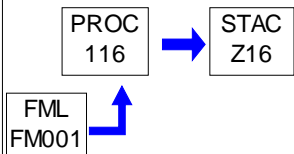
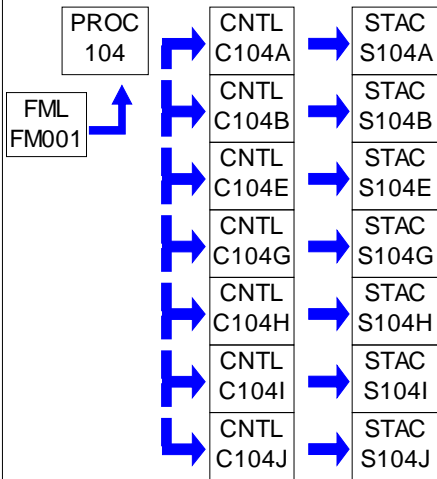
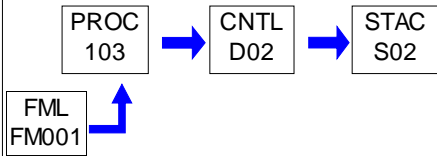
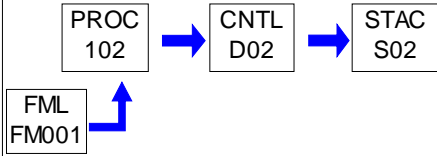
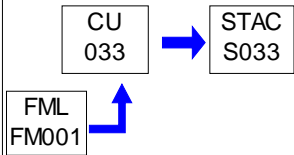
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S104I	BAGHOUSE #42 STACK		
S104J	BAGHOUSE #43 STACK		
S130	BH 30 STACK		
S250A	PIF PRIME BOOTH STACK		
S250B	PIF INTERMEDIATE BOOTH STACK		
S250C	PIF FINISH BOOTH STACK		
S251B	WATER CURTAIN EXHAUST "B"		
S251C	P&I BH#38 STACK		
S251D	P&I BH#39 STACK		
S251E	P&I BH#40 STACK		
S301	EMERGENCY GENERATOR STACKS		
S302	CUMMINS GENERATORS STACKS		
S485A	WATERWASH FILTERS EXHAUST "A"		
S485B	WATERWASH FILTERS EXHAUST "B"		
S485C	WATERWASH FILTERS EXHAUST "C"		
S485D	WATERWASH FILTERS EXHAUST "D"		
S485E	BAGHOUSE 33 STACK		
S501	VENTURI SCRUBBER STACK		
S504B	BAGHOUSE EXHAUST		
S504C	SPRAY BOOTH STACKS		
S504D	TILE VACUUM STACKER BH STACK		
S510A	FINISHING LINE 2 - SIZE/FINISH BAGHOUSE NO.1 STACK		
S510B	FINISHING LINE 2 - SIZE/FINISH BAGHOUSE NO.2 STACK		
S511A	FINISHING LINE 2 - BOOTH 1 STACKS		
S511B	FINISHING LINE 2 - BOOTH 2 STACKS		
S511C	FINISHING LINE 2 - BOOTH 3 STACKS		
S512A	FINISHING LINE 2 - DRYER STACK NO.1		
S512B	FINISHING LINE 2 - DRYER STACK NO.2		
S600	TRASH COMPACTOR BAGHOUSE STACK		
S86	BAGHOUSE STACK		
T14	BAGHOUSE STACK		
Z05	BAGHOUSE 27 EXHAUSTS INSIDE		
Z16	HEATERS EXHAUST INSIDE		
Z513	NEW FINISHING LINE - DUST TRANSFER FILTER VENT		
Z700	GAS TANK FUGITIVES		
Z900	DEGREASER FUGITIVE EMISSIONS		
Z901	CLEANING SOLVENT FUGITIVES		

**PERMIT MAPS**

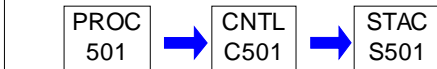
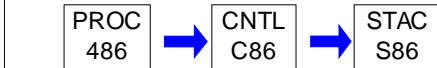
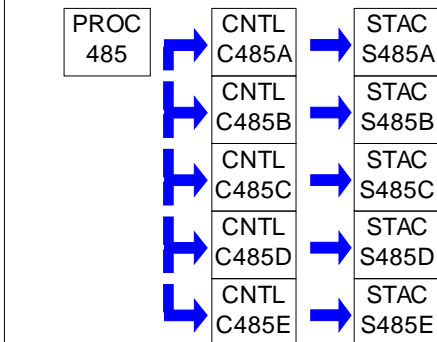
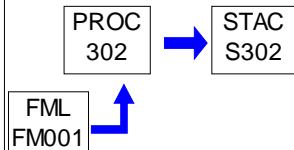
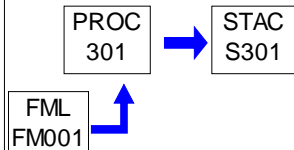
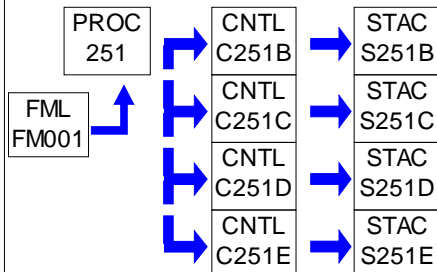
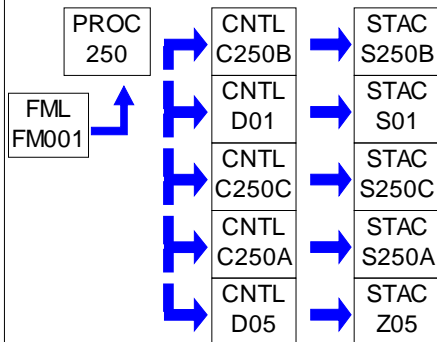


PERMIT MAPS





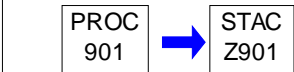
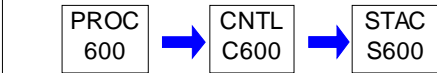
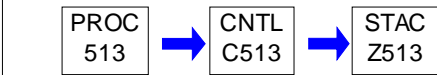
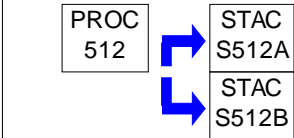
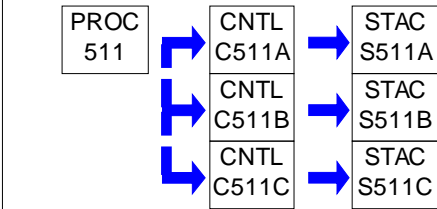
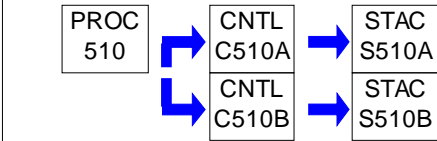
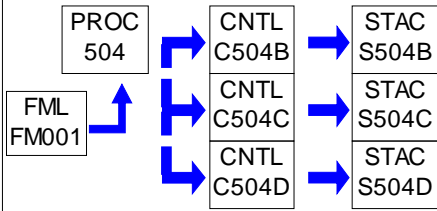
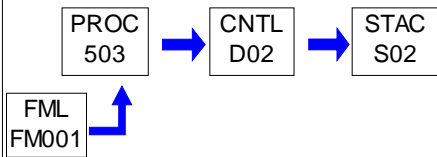
PERMIT MAPS







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 & 127.704(b)]****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. The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.

(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

**SECTION B. General Title V Requirements**

the Department.

(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.

**SECTION B. General Title V Requirements****#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 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].

**SECTION B. General Title V Requirements****#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 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). The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

(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.

**SECTION B. General Title V Requirements**

(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).

(e) The permittee shall pay an annual operating permit maintenance fee according to the following fee schedule established in 25 Pa. Code § 127.704(d) on or before December 31 of each year for the next calendar year.

- (1) Eight thousand dollars (\$8,000) for calendar years 2021—2025.
- (2) Ten thousand dollars (\$10,000) for calendar years 2026—2030.
- (3) Twelve thousand five hundred dollars (\$12,500) for the calendar years beginning with 2031.

**#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<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> 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 PM<sub>10</sub> from a single source during the term of the permit and 3.0 tons of PM<sub>10</sub> 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.

**SECTION B. General Title V Requirements**

(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.

(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

**SECTION B. General Title V Requirements**

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, 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:

Enforcement & Compliance Assurance Division  
Air, RCRA and Toxics Branch  
Air Section  
1650 Arch Street, 3ED21  
Philadelphia, PA 19103

The Title V compliance certification shall be emailed to EPA at R3\_APD\_Permits@epa.gov.

(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.



**SECTION B. General Title V Requirements**

(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.

(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 in accordance with the submission requirements specified in Section B, Condition #022 of this permit. The Title V compliance certification shall be emailed to EPA at R3\_APD\_Permits@epa.gov.

**SECTION B. General Title V Requirements****#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)
- (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.

**SECTION B. General Title V Requirements**

(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.

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Section B, Condition #026 of this 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.

**#031 [25 Pa. Code §135.3]****Reporting**

(a) The permittee shall submit by March 1 of each year an annual emissions report for the preceding calendar year. The report shall include information for all active previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported. All air emissions from the facility should be estimated and reported.

(b) A source owner or operator may request an extension of time from the Department for the filing of an annual emissions report, and the Department may grant the extension for reasonable cause.

**#032 [25 Pa. Code §135.4]****Report Format**

Emissions reports shall contain sufficient information to enable the Department to complete its emission inventory. Emissions reports shall be made by the source owner or operator in a format specified by the Department.

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

No person shall permit the emission into the outdoor atmosphere of any 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 operations.
- (g) Sources and classes of sources other than those identified above, for which the operator has obtained a determination from the Department 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;
  - (2) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air standard.

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

No person shall permit the emission of particulate matter into the outdoor atmosphere from a source specified in Section C, Condition 001 if the emissions are visible at the point the emissions pass outside the person's property.

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

No person shall permit 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 property of the person on whose land the source is being operated.

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

No person shall permit 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:

- (1) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any 1 hour.
- (2) Equal to or greater than 60 % at any time.

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

The emission limitations of Section 123.41 shall not apply when:

- (1) The presence of uncombined water is the only reason for failure of the emission to meet the limitation;
- (2) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions;
- (3) The emission results from sources specified in Site Level Requirements Condition 001 (relating to prohibition of certain fugitive emissions).

**SECTION C. Site Level Requirements****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall limit the facility's actual emissions of nitrogen oxides (NOx) to less than 100 tons per year, based on any consecutive 12-month period:

(b) Compliance verification requires emissions to be calculated and recorded for each month and each consecutive 12-month period. The permittee shall retain these records for a minimum of five (5) years and make them available to the Department upon request.

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

(a) No person shall conduct the open burning of material in an area outside of the established air basins in a manner that:

(1) The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.

(2) Malodorous air emissions from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.

(3) The emissions interfere with the reasonable enjoyment of life and 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 above requirements do not apply when the open burning results 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 does not constitute authorization to burn solid waste pursuant to Section 610(3) of the Solid Waste Management Act, 35 P.S. Section 6018.610 (3), or any other provision of the Solid Waste Management Act.

**II. TESTING REQUIREMENTS.****# 008 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The Department reserves the right to require exhaust stack testing of the sources and control devices referenced in this operating permit as necessary during the permit term to verify emissions for purposes including emission fees, malfunctions or permit condition violations.

**# 009 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

(a) Unless otherwise approved in writing by DEP, the permittee shall:

(1) Conduct performance tests in accordance with 25 Pa Code Section 139 and the Department's Source Testing Manual and any applicable federal regulations.

(2) Submit to DEP a test protocol for review and approval within 90 days of source(s) startup, and not conduct the test that

**SECTION C. Site Level Requirements**

is the subject of the protocol until the protocol has been approved by DEP.

(3) If DEP finds deficiencies in the protocol, the permittee shall provide a response to DEP addressing the deficiencies within 30 days of being notified of the deficiencies.

(4) Complete the performance test within 90 days of DEP's approval of the test protocol.

(5) Conduct the performance test during source operational conditions expected to produce maximum emissions.

(b) Pursuant to 25 Pa. Code § 139.3 at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the appropriate Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

(c) Pursuant to 25 Pa. Code Section 139.53(a)(3) within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring and the appropriate Regional Office indicating the completion date of the on-site testing.

(d) Pursuant to 40 CFR Part 60.8(a), 40 CFR Part 61.13(f) and 40 CFR Part 63.7(g) a complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program. For those tests being conducted pursuant to 40 CFR Part 61, a complete test report shall be submitted within 31 days after completion of the test.

(e) Pursuant to 25 Pa. Code Section 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

(1) A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.

(2) Permit number(s) and condition(s) which are the basis for the evaluation.

(3) Summary of results with respect to each applicable permit condition.

(4) Statement of compliance or non-compliance with each applicable permit condition.

(f) Pursuant to 25 Pa. Code § 139.3 to all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(g) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(h) Pursuant to 25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3) all submittals, besides notifications, shall be accomplished through PSIMS\*Online available through <https://www.depgreenport.state.pa.us/ecomm/Login.jsp> when it becomes available. If internet submittal cannot be accomplished, submittal shall be made as follows:

Regional Office:

Digital copy (only): RA-epscstacktesting@pa.gov

Bureau of Air Quality:

Digital copy (only): RA-epstacktesting@pa.gov

(i) The permittee shall ensure all federal reporting requirements contained in the applicable subpart of 40 CFR are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by default.

**SECTION C. Site Level Requirements****III. MONITORING REQUIREMENTS.****# 010 [25 Pa. Code §123.43]****Measuring techniques**

Visible air contaminants may be measured using either of the following:

- (1) A device approved by the Department and maintained to provide accurate opacity measurements.
- (2) Observers, trained and certified in EPA Method 9, to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

**# 011 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall monitor and record the pressure drop across each scrubber, fabric filter or other particulate matter control device and water flow to each wet scrubber listed in the Section A site inventory list. At a minimum, these readings shall be taken once per week while the sources and control devices are in operation. These recordings shall be maintained for the most recent five-year period.

**# 012 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The permittee shall conduct a weekly inspection around the plant periphery during daylight hours when the plant is in production to detect visible stack emissions, visible emissions leaving the premises and odorous air emissions leaving the premises as follows:

- (a) Visible stack emissions in excess of the limits stated in Section C, Condition 004. Visible stack emissions may be measured according to the methods specified in Section C, Condition 010, or alternatively, plant personnel who observe such emissions may report the incidence of visible stack emissions to the designated company representative who shall make arrangements for a certified observer to verify the visible emissions.
- (b) The presence of visible emissions beyond the plant boundaries as stated in Section C, Condition 002.
- (c) The presence of odorous air emissions beyond the plant boundaries as stated in Section C, Condition 003.

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

(a) The permittee shall maintain a logbook or other permanent record of visible stack emissions, visible emissions leaving the premises and odorous air emissions leaving the premises. The record shall include, at minimum, the following information:

- (1) The name of the company representative making the observation(s)
- (2) The date and time of the monitoring
- (3) The wind direction
- (4) A description of any emissions and/or malodors observed and the actions taken to mitigate them. If none are present, record "NONE."

(b) These records shall be maintained for the most recent five (5) year period and be made available to the Department upon request.

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

The permittee shall maintain detailed records of all maintenance performed on the air emissions control systems for the most recent five-year period.

**V. REPORTING REQUIREMENTS.****# 015 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The permittee shall report malfunctions to the Department. A malfunction is any sudden, infrequent, and not reasonably

**SECTION C. Site Level Requirements**

preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner that affects the facility's ability to comply with a permit term. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. Malfunctions shall be reported as follows:

(a) Malfunctions which pose an imminent danger to public health, safety, welfare and the environment, shall be immediately reported to the Department by telephone. The telephone report of such malfunctions shall occur no later than two hours after discovery of the incident. Telephone reports can be made to the Reading District Office at (610) 916-0100 during normal business hours, or to the Department's Emergency Hotline at any time. The Emergency Hotline phone number is changed/updated periodically. The current Emergency Hotline phone number can be found at <https://www.dep.pa.gov/About/Regional/SouthcentralRegion/Pages/default.aspx>. The permittee shall submit a written report of instances of such malfunctions to the Department within three (3) days of the telephone report.

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

**VI. WORK PRACTICE REQUIREMENTS.****# 016 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from the sources identified in Site Level Requirements Condition 001 (a) through (e) from becoming airborne. The actions shall include, but are not limited to, the following:

- (1) 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.
- (2) Application of asphalt, oil, water or suitable chemicals on dirt roads, materials stockpiles and other surfaces which may give rise to airborne dusts.
- (3) Paving and maintenance of roadways.
- (4) 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.

**# 017 [25 Pa. Code §127.444]****Compliance requirements.**

All air emissions sources and emission control devices shall be operated and maintained in accordance with the manufacturers' recommendations.

**VII. ADDITIONAL REQUIREMENTS.****# 018 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

Operation of any air emissions source is contingent upon proper operation of its associated emissions control system, unless otherwise approved by the Department.

**# 019 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

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 (unless otherwise specified by DEP or EPA): 'R3\_APD\_Permits@epa.gov'.

**VIII. COMPLIANCE CERTIFICATION.**

The permittee shall submit within thirty days of 01/01/2022 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.**





## SECTION C. Site Level Requirements

No compliance milestones exist.

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

**SECTION D. Source Level Requirements**

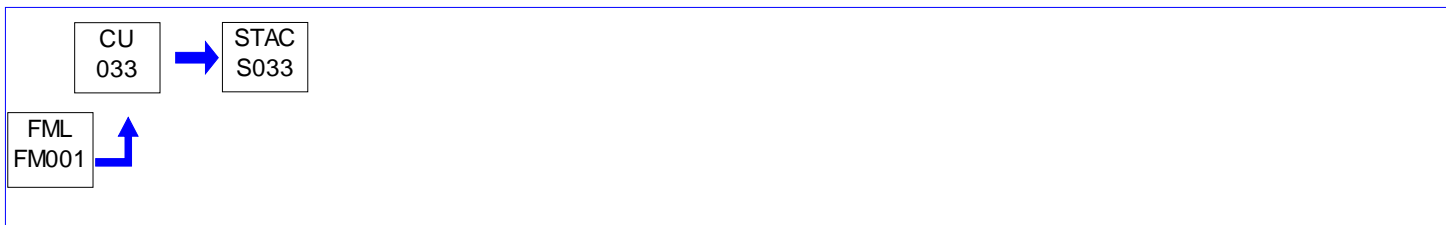
Source ID: 033

Source Name: BURNHAM BOARDMILL BOILER

Source Capacity/Throughput: 9.000 MMBTU/HR

8.820 MCF/HR Natural Gas

Conditions for this source occur in the following groups: 005

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

A person shall not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of 0.4 pounds per million Btu of heat input.

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from a combustion unit in excess of the rate of 4 pounds per million Btu of heat input over a 1-hour period.

**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: 102

Source Name: PERLITE EXPANDER 102-11

Source Capacity/Throughput:

10.000 MCF/HR

Natural Gas

5.400 Tons/HR

PERLITE

Conditions for this source occur in the following groups: 001  
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).

**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: 103

Source Name: PERLITE EXPANDER 103-11

Source Capacity/Throughput:

10.000 MCF/HR

Natural Gas

5.400 Tons/HR

PERLITE

Conditions for this source occur in the following groups: 001  
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).

**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. \*\*\***

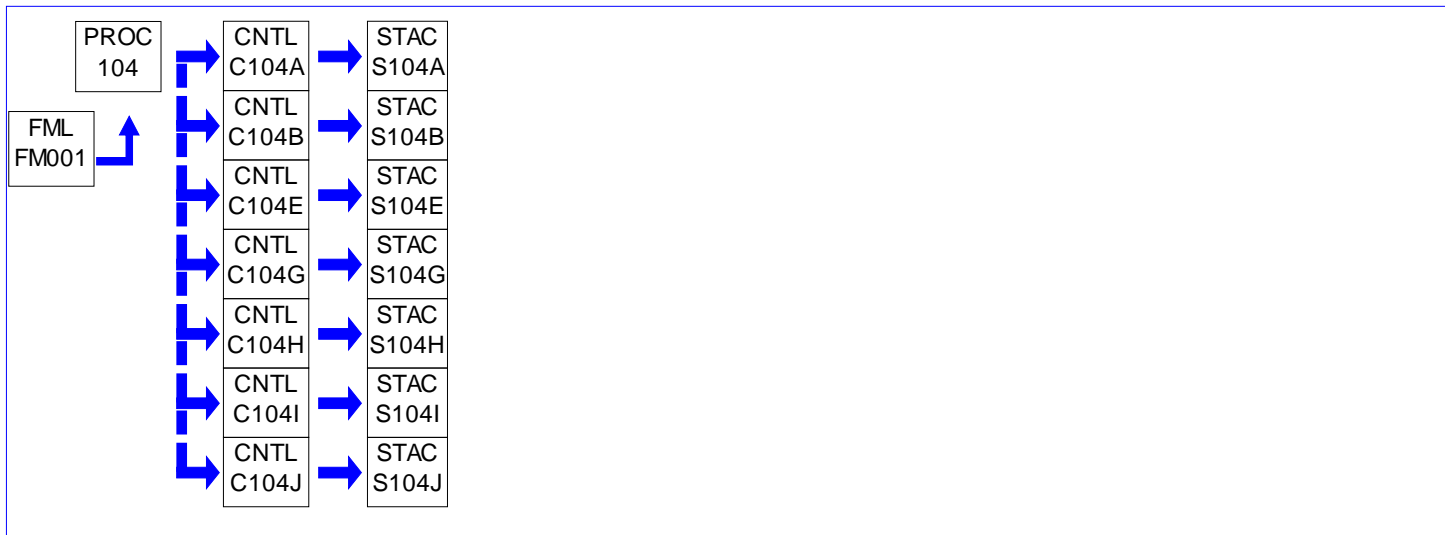
**SECTION D. Source Level Requirements**

Source ID: 104

Source Name: BOARDMILL LINE

Source Capacity/Throughput: 188.000 MCF/HR Natural Gas  
55.000 Tons/HR CEILING BOARD

Conditions for this source occur in the following groups: 009  
010  
011

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

Particulate matter emissions from the Source ID 104 boardmill dryer shall not exceed 0.04 grains per dry standard cubic foot of effluent gas.

**# 002 [25 Pa. Code §123.21]****General**

Sulfur oxides emissions from the Source ID 104 boardmill dryer shall not exceed a concentration of 500 parts per million, by volume, dry basis, in the effluent gas.

**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall not allow the emission into the outdoor atmosphere of particulate matter from Control IDs C104H, C104I or C104J in a manner that the concentration in the effluent gas exceeds:

- (1) PM total (filterable & condensable) - 0.0015 grain per dry standard cubic foot.
- (2) PM10 total (filterable & condensable) - 0.0015 grain per dry standard cubic foot.
- (3) PM2.5 total (filterable & condensable) - 0.0015 grain per dry standard cubic foot.

[Additional authority for this permit condition is derived from PA 36-05001N]

**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).

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Control IDs C104H, C104I and C104J shall be equipped with instrumentation to monitor the pressure differential across each collector on a continuous basis, when in operation.

[Additional authority for this permit condition is derived from PA 36-05001N]

**IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall record the pressure drop across Control IDs C104H, C104I and C104J on a weekly basis, when in operation.

(b) These records shall be maintained at the facility for the most recent five (5) year period and be made available to the Department upon request.

[Additional authority for this permit condition is derived from PA 36-05001N]

**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).

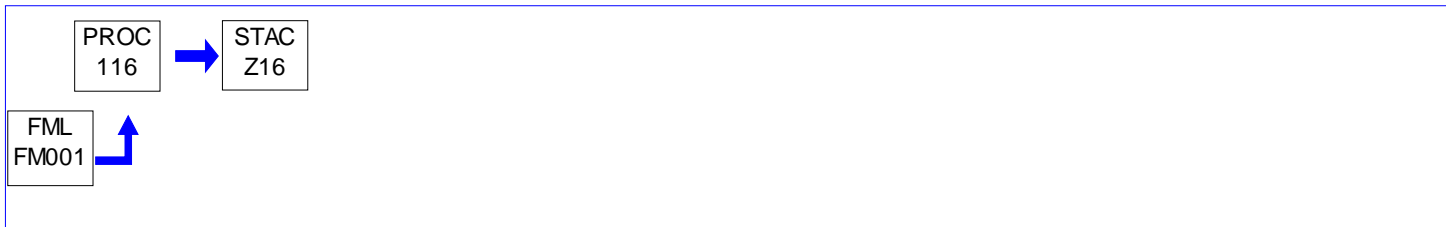
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 116

Source Name: SMALL SPACE HEATERS

Source Capacity/Throughput: 110.000 MCF/HR Natural Gas

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

# 001 [25 Pa. Code §123.13]

**Processes**

Particulate matter emissions from each of the Source ID 116 heaters shall not exceed 0.04 grains per dry standard cubic foot of effluent gas.

# 002 [25 Pa. Code §123.21]

**General**

Sulfur oxides emissions from each of the Source ID 116 heaters shall not exceed a concentration of 500 parts per million, by volume, dry basis, in the effluent gas.

**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.**

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





**SECTION D. Source Level Requirements**

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

**SECTION D. Source Level Requirements**

Source ID: 130

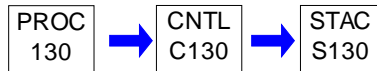
Source Name: NO. 3 TENONER

Source Capacity/Throughput:

26.000 Tons/HR

CEILING TILE

Conditions for this source occur in the following groups: 003

**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).

**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. \*\*\***

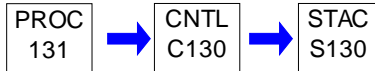
**SECTION D. Source Level Requirements**

Source ID: 131

Source Name: DUST SILO 31

Source Capacity/Throughput: 145.000 Lbs/HR CEILING TILE DUST

Conditions for this source occur in the following groups: 003

**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).

**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: 204

Source Name: NO. 1 EQUALIZER 204-3

Source Capacity/Throughput: 26.000 Tons/HR CEILING BOARD

Conditions for this source occur in the following groups: 003

**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).

**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. \*\*\***

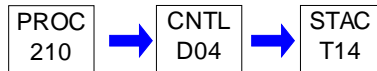
**SECTION D. Source Level Requirements**

Source ID: 210

Source Name: NO. 3 EQUALIZER

Source Capacity/Throughput: 26.000 Tons/HR CEILING BOARD

Conditions for this source occur in the following groups: 003

**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).

**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: 250

Source Name: PIF LINE

Source Capacity/Throughput:	41.000 MCF/HR	Natural Gas
	26.000 Tons/HR	CEILING BOARD

Conditions for this source occur in the following groups: 002  
011

**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).

**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).



**SECTION D. Source Level Requirements**

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

**SECTION D. Source Level Requirements**

Source ID: 251

Source Name: PRIME &amp; INTERMEDIATE LINE

Source Capacity/Throughput:

36.000 MCF/HR

Natural Gas

26.000 Tons/HR

CEILING BOARD

Conditions for this source occur in the following groups: 002  
011**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall not allow the emission into the outdoor atmosphere of particulate matter from Control IDs C251C, C251D or C251E in a manner that the concentration in the effluent gas exceeds:

- (1) PM total - 0.001 grain per dry standard cubic foot.
- (2) PM10 total - 0.001 grain per dry standard cubic foot.
- (3) PM2.5 total - 0.001 grain per dry standard cubic foot.

[Additional authority for this permit condition is derived from PA 36-05001M]

**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.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Control IDs C251C, C251D and C251E shall be equipped with instrumentation to monitor the pressure differential across each collector on a continuous basis, when in operation.

[Additional authority for this permit condition is derived from PA 36-05001M]

**IV. RECORDKEEPING REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall record the pressure drop across Control IDs C251C, C251D and C251E on a weekly basis, when in operation.

(b) These records shall be maintained at the facility for the most recent five (5) year period and be made available to the Department upon request.

[Additional authority for this permit condition is derived from PA 36-05001M]





## 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: 301

Source Name: EMERGENCY GENERATORS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 007

**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).

**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. \*\*\***

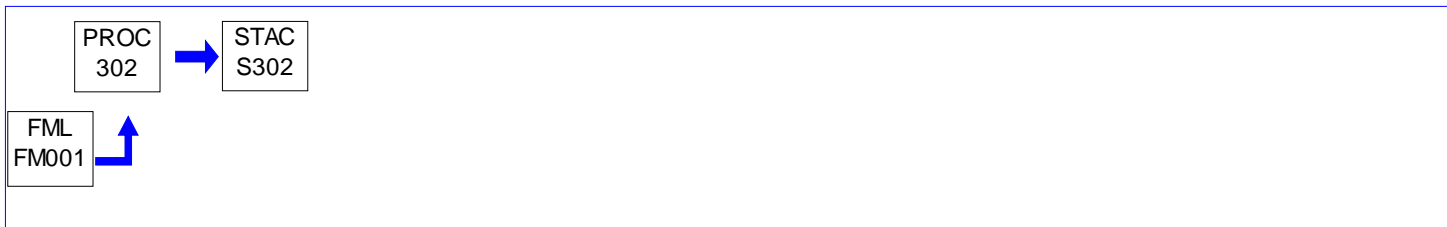
**SECTION D. Source Level Requirements**

Source ID: 302

Source Name: CUMMINS EMERGENCY GENERATORS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 008

**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).

**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: 485

Source Name: PHOENIX LINE

Source Capacity/Throughput:

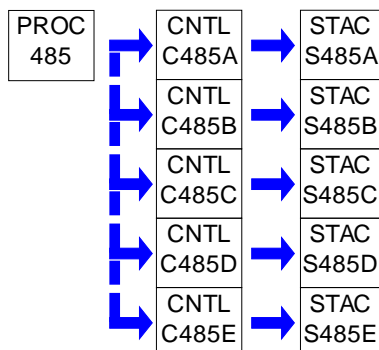
4.500 MCF/HR

Natural Gas

2.000 Tons/HR

CEILING BOARD

Conditions for this source occur in the following groups: 002  
011

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall not permit the emission into the outdoor atmosphere of particulate matter (PM total) from Control ID C485E in a manner that the concentration of particulate matter in the effluent gas exceeds 0.01 grains 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).

**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. \*\*\***



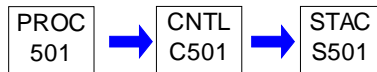
**SECTION D. Source Level Requirements**

Source ID: 501

Source Name: PAINT MIXING OPERATION

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 004

**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).

**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: 503

Source Name: PERLITE EXPANDER 3

Source Capacity/Throughput:

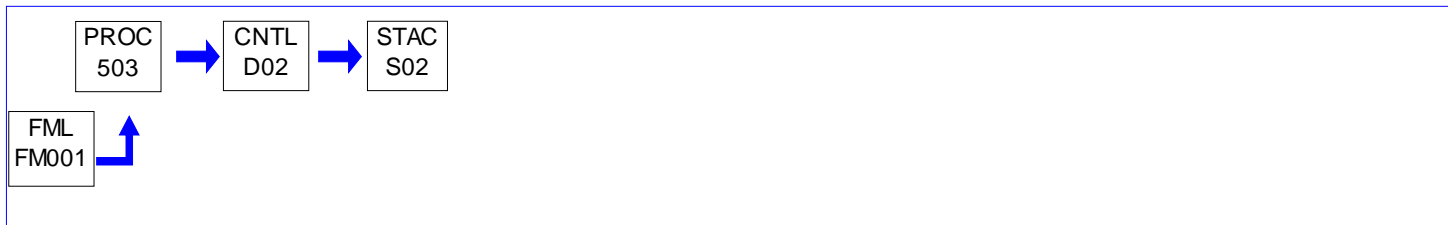
10.000 MCF/HR

Natural Gas

5.000 Tons/HR

PERLITE

Conditions for this source occur in the following groups: 001  
006  
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).

**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: 504

Source Name: TILE FINISHING LINE

Source Capacity/Throughput:	15.000 MCF/HR	Natural Gas
	26.000 Tons/HR	CEILING BOARD

Conditions for this source occur in the following groups: 002  
011

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall not allow the emission into the outdoor atmosphere of particulate matter from Control ID C504D in a manner that the concentration in the effluent gas exceeds:

- (1) PM total - 0.001 grain per dry standard cubic foot.
- (2) PM10 total - 0.001 grain per dry standard cubic foot.
- (3) PM2.5 total - 0.001 grain per dry standard cubic foot.

[Additional authority for this permit condition is derived from PA 36-05001M]

**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.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Control ID C504D shall be equipped with instrumentation to monitor the pressure differential across the collector on a continuous basis, when in operation.

[Additional authority for this permit condition is derived from PA 36-05001M]

**IV. RECORDKEEPING REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall record the pressure drop across Control ID C504D on a weekly basis, when in operation.

(b) These records shall be maintained at the facility for the most recent five (5) year period and be made available to the Department upon request.

[Additional authority for this permit condition is derived from PA 36-05001M]



## 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).

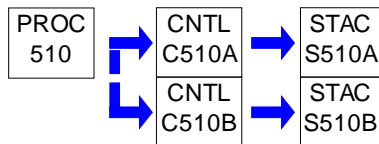
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 510

Source Name: FINISHING LINE 2 - SIZING / FINISHING OPS

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Section 127.1, the permittee shall not allow the emission into the outdoor atmosphere of particulate matter from the equipment comprising Source ID 510 in a manner that the concentration in the effluent gas exceeds:

- (1) PM total - 0.001 grain per dry standard cubic foot.
- (2) PM10 total - 0.001 grain per dry standard cubic foot.
- (3) PM2.5 total - 0.001 grain per dry standard cubic foot.

[Additional authority for this permit condition is derived from PA 36-05001K]

**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.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Each fabric filter shall be equipped with instrumentation to monitor the pressure differential across the collector on a continuous basis, when in operation.

[Additional authority for this permit condition is derived from PA 36-05001K]

**IV. RECORDKEEPING REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall record the pressure drop across each fabric collector on a weekly basis, when in operation.

(b) These records shall be maintained at the facility for the most recent five (5) year period and be made available to the Department upon request.

[Additional authority for this permit condition is derived from PA 36-05001K]

**V. REPORTING REQUIREMENTS.**

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



## 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).

### 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. \*\*\***

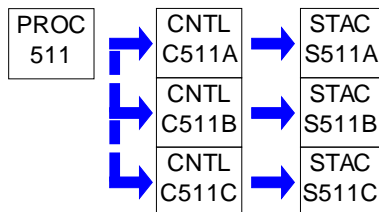
**SECTION D. Source Level Requirements**

Source ID: 511

Source Name: FINISHING LINE 2 - THREE (3) SPRAY BOOTHS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 002

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall limit the VOC emissions from Source ID 511 to less than 20.86 tpy during any consecutive 12-month period.

[Additional authority for this permit condition is derived from PA 36-05001K]

**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Section 127.1, the permittee shall not allow the emission into the outdoor atmosphere of particulate matter from any spray booth in a manner that the concentration in the effluent gas exceeds:

- (1) PM total - 0.017 grain per dry standard cubic foot.
- (2) PM10 total - 0.012 grain per dry standard cubic foot.
- (3) PM2.5 total - 0.003 grain per dry standard cubic foot.

[Additional authority for this permit condition is derived from PA 36-05001K]

**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 §127.441]****Operating permit terms and conditions.**

(a) The permittee shall calculate and record the following for Source ID 511:

- (1) VOC emissions - Monthly
- (2) VOC emissions - 12-month rolling totals

(b) The records shall be maintained at the facility for a period of 5-years and be made available to the Department upon request.

**SECTION D. Source Level Requirements**

[Additional authority for this permit condition is derived from PA 36-05001K]

**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.**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) The permittee shall comply with a VOC emission cap of 20.86 tons during any consecutive 12-month period for the Source ID 511 spray paint booths. The VOC emission cap for the Source ID 511 spray paint booths is a compliance cap, imposed for New Source Review (NSR) applicability purposes. This VOC emission cap shall not provide any relief from NSR applicability determinations for any future physical change or change in the method of operation of the Source ID 511 spray paint booths at the facility. Source ID 511 spray paint booths covered under the VOC emission cap shall be considered as one emissions unit, as defined in 25 Pa. Code Section 121.1 (relating to definitions), for NSR applicability purposes. Any future NSR applicability determinations must consider the baseline actual VOC emissions of all of the Source ID 511 spray paint booths as one emissions unit and not the VOC emission cap. In the event that major NSR is triggered for any of the Source ID 511 spray paint booths covered by the VOC emission cap, LAER shall apply to all of the Source ID 511 spray paint booths. If the company finds it necessary to relax the VOC emission cap at some future date, the requirements of 25 Pa. Code Section 127.203(e)(2) shall apply.

(b) The provisions of part (a), above, do not preclude the permittee from seeking and procuring a plant-wide applicability limit (PAL) pursuant to 25 Pa. Code Section 127.18.

[Additional authority for this permit condition is derived from PA 36-05001K]

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

**SECTION D. Source Level Requirements**

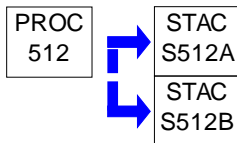
Source ID: 512

Source Name: FINISHING LINE 2 - 14 MMBTU/HR DRYER

Source Capacity/Throughput:

13.725 MCF/HR

Natural Gas

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

# 001 [25 Pa. Code §123.13]

**Processes**

The permittee shall limit the emissions of particulate matter to the outdoor atmosphere from the source in a manner that the concentration of particulate matter in the effluent gas does not exceed 0.04 grain per dry standard cubic foot.

# 002 [25 Pa. Code §123.21]

**General**

The permittee may not permit the emission into the outdoor atmosphere of sulfur dioxide from a source in a manner that the concentration of sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**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.**

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



**SECTION D. Source Level Requirements**

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



**SECTION D. Source Level Requirements**

Source ID: 513

Source Name: FINISHING LINE 2 - DUST TRANSFER SYSTEM

Source Capacity/Throughput:

**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.**

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

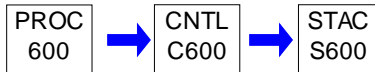
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 600

Source Name: TRASH COMPACTOR

Source Capacity/Throughput:

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall not permit the emission into the outdoor atmosphere of particulate matter (PM total) from Source ID 600 in a manner that the concentration of particulate matter in the effluent gas exceeds 0.002 grains 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).

**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.**

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

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

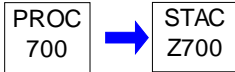
**SECTION D. Source Level Requirements**

Source ID: 700

Source Name: 275 GAL GASOLINE STORAGE TANK

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 012

**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).

**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).

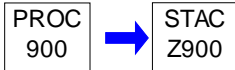
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 900

Source Name: COLD CLEANING MACHINES (DEGREASERS)

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §129.63]****Degreasing operations**

The permittee may not use, sell or offer for sale for use in a cold cleaning machine any solvent with a vapor pressure of 1.0 millimeter or mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

The above requirement does not apply:

- (a) To cold cleaning machines used in extreme cleaning service.
- (b) If the permittee demonstrates, and the Department approves in writing, that compliance with these conditions will result in unsafe operating conditions.
- (c) To immersion cold cleaning machines with a freeboard ratio equal to or greater than 0.75.

**Throughput Restriction(s).****# 002 [25 Pa. Code §129.63]****Degreasing operations**

Immersion cold cleaning machines shall have a freeboard ratio of 0.50 or greater.

**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.****# 003 [25 Pa. Code §129.63]****Degreasing operations**

(a) The permittee shall maintain for at least two (2) years and shall provide to the Department, on request, the following information:

- (i) The name and address of the solvent supplier.
- (ii) The type of solvent including the product or vendor identification number.
- (iii) The vapor pressure of the solvent measured in mm Hg at 20°C (68°F).

(b) An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this section.

**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).

**VI. WORK PRACTICE REQUIREMENTS.****# 004 [25 Pa. Code §129.63]****Degreasing operations**

Immersion cold cleaning machines shall be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent. For remote reservoir cold cleaning machines which drain directly into the solvent storage reservoir, a perforated drain with a diameter of not more than six (6) inches shall constitute an acceptable cover.

**# 005 [25 Pa. Code §129.63]****Degreasing operations**

For immersion cold cleaning machines and remote reservoir cold cleaning machines, the permittee shall:

Have a permanent, conspicuous label on each cold cleaning machine summarizing the operating requirements in Conditions #004 and #006 of these source conditions. In addition, the label shall include the following discretionary good operating practices:

(A) Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that solvent drains directly back to the cold cleaning machine.

(B) When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.

(C) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.

**# 006 [25 Pa. Code §129.63]****Degreasing operations**

The permittee shall operate the cold cleaning machines in accordance with the following procedures:

(i) Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.

(ii) Flushing of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.

(iii) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cold cleaning machine.

(iv) Air agitated solvent baths may not be used.

(v) Spills during solvent transfer and use of the cold cleaning machine shall be cleaned up immediately.

**VII. ADDITIONAL REQUIREMENTS.****# 007 [25 Pa. Code §129.63]****Degreasing operations**

The permittee that operates a parts washer or cold cleaning machines that use 2 gallons or more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts shall comply with the requirements listed in this section.

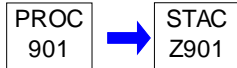
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 901

Source Name: CLEANING SOLVENTS

Source Capacity/Throughput:

**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 §127.441]****Operating permit terms and conditions.**

In accordance with 25 Pa Code §129.63a:

§129.63a(c)(3) The VOC emission limitations in subsection §129.63a(e) and the work practice requirements in subsection §129.63a(f) do not apply to the owner or operator of a facility subject to subsection §129.63a(a) if the total combined actual VOC emissions from all subject cleaning unit operations at the facility are less than 2.7 tons (2,455 kilograms) per 12-month rolling period, before consideration of controls. An owner or operator claiming this exemption shall maintain records in accordance with subsection §129.63a(h)(4).

§129.63a(h)(4) The owner or operator of a facility claiming exemption under subsection §129.63a(c)(3) shall maintain monthly records of the industrial cleaning solvents used or applied at the subject cleaning unit operations sufficient to demonstrate that the total combined actual VOC emissions from all subject cleaning unit operations at the facility are less than 2.7 tons (2,455 kilograms) per 12-month rolling period, before consideration of controls.

**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: 001

Group Description: Perlite Expanders

Sources included in this group

ID	Name
102	PERLITE EXPANDER 102-11
103	PERLITE EXPANDER 103-11
503	PERLITE EXPANDER 3

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

Particulate matter emissions from each of the Group 001 perlite expanders shall not exceed 0.04 grains per dry standard cubic foot of effluent gas.

**# 002 [25 Pa. Code §123.21]****General**

Sulfur oxides emissions from each of the Group 001 perlite expanders shall not exceed a concentration of 500 parts per million, by volume, dry basis, in the effluent gas.

**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.**

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: 002

Group Description: Surface Coating Operations

Sources included in this group

ID	Name
250	PIF LINE
251	PRIME & INTERMEDIATE LINE
485	PHOENIX LINE
486	EDGE TRIM & END TRIM SAWS(SOUND/SOAK)
504	TILE FINISHING LINE
511	FINISHING LINE 2 - THREE (3) SPRAY BOOTHS

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

No person shall permit the emission into the outdoor atmosphere of particulate matter from a source in excess of 0.04 grain per dry standard cubic foot of effluent gas.

**# 002 [25 Pa. Code §123.21]****General**

Sulfur oxides emissions, expressed as sulfur dioxide, from each of the heaters and dryers associated with the surface coating operations shall not exceed a concentration of 500 parts per million, by volume, dry basis, in the effluent gas.

**# 003 [25 Pa. Code §129.52]****Surface coating processes**

(a) The VOC content, as applied of the surface coatings utilized in the tile finishing line shall be equal to or less than the appropriate allowables (expressed as pounds VOC per gallon of coating solids) as specified in Table I (categories 3-5) of 25 Pa. Code § 129.52.

- (1) fabric coating = 4.84
- (2) vinyl coating = 7.69
- (3) paper coating = 4.84

The VOC content of the as applied coating, expressed in units of pounds VOC per gallon of coating solids, shall be calculated as follows:

$$\text{VOC} = (\text{Wo})(\text{Dc}) / (\text{Vn})$$

where:

- VOC = VOC content expressed in units of pounds VOC per gallon coating solids
- 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 VOCs
- Dc = density of coating (pounds per gallon), at 25°C
- Wn = weight percent of solids of the as applied coating
- Vn = volume percent of solids of the as applied coating

(b) The VOC standards of subsection (a), above, do not apply to a coating used exclusively for determining product quality and commercial acceptance, touch-up and repair and other small quantity coatings if the coating meets the following criteria:

- (1) The quantity of coating used does not exceed 50 gallons per year for a single coating and a total of 200 gallons per year for all coatings combined for the facility.



**SECTION E. Source Group Restrictions.**

(2) The permittee requests, in writing, and the Department approves, in writing, the exemption prior to use of the coating.

**II. TESTING REQUIREMENTS.****# 004 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The permittee shall demonstrate the VOC/HAP content of each surface coating by one of the following methods:

(a) For surface coatings applied as they are received from the manufacturer, the permittee may demonstrate compliance with the applicable standard by obtaining EPA Method 24 certification testing from the manufacturer, or by maintaining VOC/HAP data sheets from the manufacturer.

(b) In the absence of EPA Method 24 certification testing from the manufacturer, or VOC/HAP data sheets from the manufacturer, allowed under part (a), above, the permittee shall perform EPA Method 24 certification testing on all surface coatings applied as received from the manufacturer.

(c) The permittee may use calculated VOC content values in lieu of EPA Method 24 certification testing for multi-part surface coatings where the permittee maintains VOC/HAP data sheets for all surface coating constituents (i.e. coatings, pigments, thinners/cutting solvents), and also maintains documentation from the manufacturer as to the recommended mix ratio of the parts. In the event of any inconsistency between the calculated VOC content and data obtained from EPA Method 24 certification testing, the latter shall take precedence.

**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.****# 005 [25 Pa. Code §129.52]****Surface coating processes**

The permittee shall maintain daily records of:

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

- (1) The coating, thinner or component(s) name and identification number
- (2) The volume used
- (3) The mix ratio for the as applied surface coating
- (4) The density or specific gravity
- (5) The weight percent of total volatiles, water, solids and exempt organic solvents
- (6) The volume percent of solids

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

(c) VOC content of each as applied surface coating.

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.****# 006 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

(a) An annual report containing, but not limited to, the following data for each VOC-containing surface coating (as applied) shall be submitted to the Air Quality District Supervisor:

**SECTION E. Source Group Restrictions.**

- (1) Coating identification
- (2) Volume used.
- (3) Mix ratio.
- (4) Density or specific gravity.
- (5) Weight percent of total volatiles, water, solids and exempt solvents.
- (6) Volume percent of solids for Table I surface coating process categories 1 through 11.
- (7) VOC content of each coating, thinner and other component as supplied.
- (8) VOC content of each as applied coating.
- (9) Gallons of coating used (including water)
- (10) Pounds per year of VOC emissions from surface coating

(b) The annual 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 unless otherwise specified. The permittee may request an extension of time from the Department for the filing of the annual report, and the Department may grant the extension for reasonable cause.

**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: 003

Group Description: Cutting and Shaping Operations

Sources included in this group

ID	Name
130	NO. 3 TENONER
131	DUST SILO 31
204	NO. 1 EQUALIZER 204-3
210	NO. 3 EQUALIZER
486	EDGE TRIM & END TRIM SAWS(SOUNDSOAK)

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

# 001 [25 Pa. Code §123.13]

**Processes**

Particulate matter emissions from each of the Group 003 sources shall not exceed 0.04 grains per dry standard cubic foot of effluent gas.

**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.**

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: 40 CFR 63, Subpart HHHHH Source(s)

**Sources included in this group**

ID	Name
501	PAINT MIXING OPERATION

**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 §127.441]****Operating permit terms and conditions.**

Individual sources within this source group that are subject to 40 CFR 63, Subpart HHHHH—National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing shall comply with all applicable requirements of the Subpart. 40 CFR 63.13(a) requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

Associate Director  
Office of Air Enforcement and Compliance Assistance, 3AP20  
U.S. EPA, Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

The Department copies shall be forwarded to the DEP SCRO Air Quality Program Manager at [wiveaver@pa.gov](mailto:wiveaver@pa.gov), unless otherwise directed in writing by DEP.

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

**SECTION E. Source Group Restrictions.****# 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7985]****Subpart HHHHH - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing  
Am I subject to the requirements in this subpart?**

63.7985(a) You are subject to the requirements in this subpart if you own or operate miscellaneous coating manufacturing operations, as defined in paragraph (b) of this section, that meet the conditions specified in paragraphs (a)(1) through (4) of this section.

63.7985(a)(1) Are located at or are part of a major source of hazardous air pollutants (HAP) emissions, as defined in section 112(a) of the Clean Air Act (CAA);

63.7985(a)(2) Manufacture coatings as defined in § 63.8105;

63.7985(a)(3) Process, use, or produce HAP; and

63.7985(a)(4) Are not part of an affected source under another subpart of this part 63.

63.7985(b) Miscellaneous coating manufacturing operations include the facilitywide collection of equipment described in paragraphs (b)(1) through (4) of this section that is used to manufacture coatings as defined in § 63.8105. Miscellaneous coating manufacturing operations also include cleaning operations.

63.7985(b)(1) Process vessels;

63.7985(b)(2) Storage tanks for feedstocks and products;

63.7985(b)(3) Components such as pumps, compressors, agitators, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, and instrumentation systems; and

63.7985(b)(4) Wastewater tanks and transfer racks.

63.7985(c) If the predominant use of a transfer rack loading arm or storage tank (including storage tanks in series) is associated with miscellaneous coating manufacturing, and the loading arm or storage tank is not part of an affected source under a subpart of this part 63, then you must assign the loading arm or storage tank to the miscellaneous coating manufacturing operations. If the predominant use cannot be determined, and the loading arm or storage tank is not part of an affected source under a subpart of this part 63, then you must assign the loading arm or storage tank to the miscellaneous coating manufacturing operations. If the use varies from year to year, then you must base the determination on the utilization that occurred during the year preceding December 11, 2003 or, if the loading arm or storage tank was not in operation during that year, you must base the use on the expected use for the first 5-year period after startup. You must include the determination in the notification of compliance status report specified in § 63.8075(d). You must redetermine the predominant use at least once every 5 years after the compliance date.

63.7985(d) The requirements for miscellaneous coating manufacturing sources in this subpart do not apply to operations described in paragraphs (d)(1) through (5) of this section.

63.7985(d)(1) Research and development facilities, as defined in section 112(c)(7) of the CAA;

63.7985(d)(2) The affiliated operations located at an affected source under subparts GG (National Emission Standards for Aerospace Manufacturing and Rework Facilities), KK (National Emission Standards for the Printing and Publishing Industry), JJJJ (NESHAP: Paper and Other Web Coating), future MMMM (National Emission Standards for Miscellaneous Metal Parts and Products Surface Coating Operations) and SSSS (NESHAP: Surface Coating of Metal Coil) of 40 CFR part 63. Affiliated operations include, but are not limited to, mixing or dissolving of coating ingredients; coating mixing for viscosity adjustment, color tint or additive blending, or pH adjustment; cleaning of coating lines and coating line parts; handling and storage of coatings and solvent; and conveyance and treatment of wastewater;

63.7985(d)(3) Ancillary equipment such as boilers and incinerators (only those not used to comply with the emission limits in Tables 1 through 5 to this subpart), chillers and refrigeration systems, and other equipment that is not directly involved in the manufacturing of a coating (i.e., it operates as a closed system, and materials are not combined with materials used to manufacture the coating);

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63.7985(d)(4) Quality assurance/quality control laboratories; or

63.7985(d)(5) Modifying a purchased coating in preparation for application at the purchasing facility.

[68 FR 69185, Dec. 11, 2003, as amended at 71 FR 58503, Oct. 4, 2006; 85 FR 49740, Aug. 14, 2020]

**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7990]****Subpart HHHHH - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing****What parts of my plant does this subpart cover?**

63.7990(a) This subpart applies to each miscellaneous coating manufacturing affected source as defined in paragraph (b) of this section.

63.7990(b) The miscellaneous coating manufacturing affected source is the miscellaneous coating manufacturing operations as defined in § 63.7985(b).

63.7990(c) [NA - SOURCE IS EXISTING]

[68 FR 69185, Dec. 11, 2003, as amended at 85 FR 49741, Aug. 14, 2020]

**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7995]****Subpart HHHHH - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing****When do I have to comply with this subpart?**

63.7995(a) [NA - EXISTING SOURCE]

63.7995(b) [NA - SUBJECT TO 63.7995(e)]

63.7995(c) [Reserved]

63.7995(d) You must meet the notification requirements in § 63.8070 according to the schedule in § 63.8070 and in 40 CFR part 63, subpart A. Some of the notifications must be submitted before you are required to comply with the emission limits, operating limits, and work practice standards in this subpart.

63.7995(e) All affected sources that commenced construction or reconstruction on or after September 4, 2019, must be in compliance with the requirements listed in paragraphs (e)(1) through (5) of this section upon initial startup or no later than August 14, 2020, whichever is later. All affected sources that commenced construction or reconstruction before September 4, 2019, must be in compliance with the requirements listed in paragraphs (e)(1) through (5) of this section no later than August 14, 2023.

63.7995(e)(1) The general requirements specified in §§ 63.8000(a)(2), (b)(2), (d)(8), and (f) and 63.8005(d)(5) and (h).

63.7995(e)(2) The reporting requirements specified in § 63.8075(e)(5), (e)(6)(ii)(B) and (D), and (e)(6)(iii)(C) and (E).

63.7995(e)(3) The recordkeeping requirements specified in § 63.8080(c), (e), (f), (h), and (i).

63.7995(e)(4) The definitions specified in § 63.8105.

63.7995(e)(5) The general provisions as specified in Table 10 to this subpart.

[68 FR 69185, Dec. 11, 2003; 68 FR 75033, Dec. 29, 2003, as amended at 70 FR 25681, May 13, 2005; 71 FR 58503, Oct. 4, 2006; 85 FR 49741, Aug. 14, 2020]

**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.8000]****Subpart HHHHH - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing****What are my general requirements for complying with this subpart?**

63.8000(a) Applicability. You must comply with paragraphs (a)(1) and (2) of this section.

63.8000(a)(1) [NA - SUBJECT TO 63.8000(a)(2)]

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63.8000(a)(2) Beginning on the compliance dates specified in § 63.7995(e), paragraph (a)(1) of this section no longer applies. Instead, beginning no later than the compliance dates specified in § 63.7995(e), you must be in compliance with the emission limits and work practice standards in Tables 1 through 5 to this subpart at all times. You must meet the requirements specified in paragraphs (b) and (c) of this section. You must meet the requirements specified in §§ 63.8005 through 63.8030 (or the alternative means of compliance in § 63.8050), except as specified in paragraph (d) of this section. You must meet the notification, reporting, and recordkeeping requirements specified in §§ 63.8070, 63.8075, and 63.8080.

63.8000(b) General requirements.

63.8000(b)(1) [NA - DOES NOT USE A COMBUSTION BASED CONTROL DEVICE]

63.8000(b)(2) You must comply with paragraphs (b)(2)(i) and (ii) of this section.

63.8000(b)(2)(i) Except as specified in paragraph (b)(2)(ii) of this section, opening of a safety device, as defined in § 63.8105, is allowed at any time conditions require it to avoid unsafe conditions.

63.8000(b)(2)(ii) Beginning on the compliance dates specified in § 63.7995(e), paragraph (b)(2)(i) of this section no longer applies. Instead, opening of a safety device, as defined in § 63.8105, is considered a deviation, as defined in § 63.8105, unless it is a bypass of a control for a process vessel and accounted for as specified in § 63.8005(h).

63.8000(c) [NA - DOES NOT USE A CONTROL DEVICE]

63.8000(d) Exceptions to the requirements specified in other subparts of this part 63

63.8000(d)(1) [NA - PERFORMANCE TEST NOT REQUIRED]

63.8000(d)(2) [Reserved]

63.8000(d)(3) [NA - DOES NOT USE A CONTROL DEVICE]

63.8000(d)(4) [NA - NO CEMS]

63.8000(d)(5) [NA - NO CPMS]

63.8000(d)(6) Startup, shutdown, and malfunction. Sections 63.998(b)(2)(iii) and (b)(6)(i)(A), which apply to the exclusion of monitoring data collected during periods of startup, shutdown, and malfunction (SSM) from daily averages, do not apply for the purposes of this subpart.

63.8000(d)(7) Reporting.

63.8000(d)(7)(i) When §§ 63.8005 through 63.8025 reference other subparts in this part 63 that use the term periodic report, it means compliance report for the purposes of this subpart.

63.8000(d)(7)(ii) When there are conflicts between this subpart and referenced subparts for the due dates of reports required by this subpart, reports must be submitted according to the due dates presented in this subpart.

63.8000(d)(7)(iii) Excused excursions, as defined in subpart SS of 40 CFR part 63, are not allowed.

63.8000(d)(8) Quality control program. Beginning no later than the compliance dates specified in § 63.7995(e), in lieu of the requirements specified in § 63.8(d)(3), you must keep the written quality control program procedures required by § 63.8(d)(2) on record for the life of the affected source or until the affected source is no longer subject to the provisions of this part, to be made available for inspection, upon request, by the Administrator. If the performance evaluation plan is revised, you shall keep previous (i.e., superseded) versions of the performance evaluation plan on record to be made available for inspection, upon request, by the Administrator, for a period of 5 years after each revision to the plan. The program of corrective action should be included in the plan required under § 63.8(d)(2).

63.8000(e) General duty. Beginning no later than August 14, 2023, at all times, you must operate and maintain any affected

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

63.8000(f) Removal of startup, shutdown, and malfunction requirements. Beginning on the compliance dates specified in § 63.7995(e), the referenced provisions specified in paragraphs (f)(1) through (22) of this section do not apply when demonstrating compliance with this subpart through referenced provisions of subparts SS, UU, and TT of this part.

63.8000(f)(1) Section 63.983(a)(5).

63.8000(f)(2) The phrase “except during periods of start-up, shutdown and malfunction as specified in the referencing subpart” in § 63.984(a).

63.8000(f)(3) The phrase “except during periods of start-up, shutdown and malfunction as specified in the referencing subpart” in § 63.985(a).

63.8000(f)(4) The phrase “other than start-ups, shutdowns, or malfunctions” in § 63.994(c)(1)(ii)(D).

63.8000(f)(5) Section 63.996(c)(2)(ii).

63.8000(f)(6) Section 63.997(e)(1)(i).

63.8000(f)(7) The term “breakdowns” from § 63.998(b)(2)(i).

63.8000(f)(8) Section 63.998(b)(2)(iii).

63.8000(f)(9) The phrase “other than periods of startups, shutdowns, and malfunctions” from § 63.998(b)(5)(i)(A).

63.8000(f)(10) The phrase “other than periods of startups, shutdowns, and malfunctions” from § 63.998(b)(5)(i)(C).

63.8000(f)(11) The phrase “, except as provided in paragraphs (b)(6)(i)(A) and (B) of this section” from § 63.998(b)(6)(i).

63.8000(f)(12) The second sentence of § 63.998(b)(6)(ii).

63.8000(f)(13) Section 63.998(c)(1)(ii)(D), (E), (F), and (G).

63.8000(f)(14) Section 63.998(d)(1)(ii).

63.8000(f)(15) Section 63.998(d)(3)(i) and (ii).

63.8000(f)(16) The phrase “may be included as part of the startup, shutdown, and malfunction plan, as required by the referencing subpart for the source, or” from § 63.1005(e)(4)(i).

63.8000(f)(17) The phrase “(except periods of startup, shutdown, or malfunction)” from § 63.1007(e)(1)(ii)(A).

63.8000(f)(18) The phrase “(except during periods of startup, shutdown, or malfunction)” from § 63.1009(e)(1)(i)(A).

63.8000(f)(19) The phrase “(except during periods of startup, shutdown, or malfunction)” from § 63.1012(b)(1).

63.8000(f)(20) The phrase “(except periods of startup, shutdown, or malfunction)” from § 63.1026(e)(1)(ii)(A).

63.8000(f)(21) The phrase “(except periods of startup, shutdown, or malfunction)” from § 63.1028(e)(1)(i)(A).

63.8000(f)(22) The phrase “(except periods of startup, shutdown, or malfunction)” from § 63.1031(b)(1).



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[68 FR 69185, Dec. 11, 2003, as amended at 70 FR 25681, May 13, 2005; 85 FR 49741, Aug. 14, 2020; 85 FR 75235, Nov. 25, 2020]

**# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.8005]****Subpart HHHHH - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing  
What requirements apply to my process vessels?**

63.8005(a) General.

63.8005(a)(1) You must meet each emission limit and work practice standard in Table 1 to this subpart that applies to you, and you must meet each applicable requirement specified in § 63.8000(b), except as specified in paragraphs (a)(1)(i) and (ii) of this section.

63.8005(a)(1)(i) You are not required to meet the emission limits and work practice standards in Table 1 to this subpart if you comply with § 63.8050 or § 63.8055.

63.8005(a)(1)(ii) You must meet the emission limits and work practice standards in Table 1 to this subpart for emissions from automatic cleaning operations. You are not required to meet the emission limits and work practice standards in Table 1 to this subpart for emissions from cleaning operations that are conducted manually. [FACILITY MANUALLY CLEANS OPERATIONS]

63.8005(a)(2) [NA - CONTROL DEVICE NOT USED]

63.8005(b) When subpart SS of this part 63 refers to process vents, it means process vessel vents for the purposes of this section.

63.8005(c) Process condensers, as defined in § 63.1251, are not considered to be control devices for process vessels.

63.8005(d) - (h) [NA - CONTROL DEVICE NOT USED]

[68 FR 69185, Dec. 11, 2003, as amended at 70 FR 25681, May 13, 2005; 85 FR 49743, Aug. 14, 2020]

**# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.8010]****Subpart HHHHH - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing  
What requirements apply to my storage tanks?**

[NA - NO STORAGE TANKS]

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.8015]****Subpart HHHHH - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing  
What requirements apply to my equipment leaks?**

63.8015(a) You must meet each requirement in Table 3 to this subpart that applies to your equipment leaks, except as specified in paragraphs (b) through (d) of this section.

**TABLE 3 REQUIREMENTS**

For all...

Item 1. Equipment that is in organic HAP service at an existing source

You must...

- a. Comply with the requirements in §§ 63.424(a) through (d) and 63.428(e), (f), and (h)(4), except as specified in § 63.8015(b); [FACILITY COMPLIES WITH THIS OPTION] or
- b. Comply with the requirements of subpart TT of this part; or
- c. Comply with the requirements of subpart UU of this part, except as specified in § 63.8015(c) and (d).

END OF TABLE 3

63.8015(b) Exceptions to requirements in § 63.424(a).

63.8015(b)(1) When § 63.424(a) refers to "a bulk gasoline terminal or pipeline breakout station subject to the provisions

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of this subpart," the phrase "a miscellaneous coating manufacturing affected source subject to 40 CFR part 63, subpart HHHHH" shall apply for the purposes of this subpart.

63.8015(b)(2) When § 63.424(a) refers to "equipment in gasoline service," the phrase "equipment in organic HAP service" shall apply for the purposes of this subpart.

63.8015(b)(3) When § 63.424(a) specifies that "each piece of equipment shall be inspected during loading of a gasoline cargo tank," the phrase "each piece of equipment must be inspected when it is operating in organic HAP service" shall apply for the purposes of this subpart.

63.8015(b)(4) Equipment in service less than 300 hours per year, equipment in vacuum service, or equipment contacting non-process fluids is excluded from this section.

63.8015(c) When § 63.1036 refers to batch processes, any part of the miscellaneous coating manufacturing operations applies for the purposes of this subpart.

63.8015(d) For the purposes of this subpart, pressure testing for leaks in accordance with § 63.1036(b) is not required after reconfiguration of an equipment train if flexible hose connections are the only disturbed equipment.

[68 FR 69185, Dec. 11, 2003, as amended at 70 FR 25681, May 13, 2005]

**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.8020]**

**Subpart HHHHH - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing**  
**What requirements apply to my wastewater streams?**

[NA - NO WASTEWATER STREAMS]

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.8025]**

**Subpart HHHHH - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing**  
**What requirements apply to my transfer operations?**

[NA - NO TRANSFER OPERATIONS]

**# 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.8030]**

**Subpart HHHHH - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing**  
**What requirements apply to my heat exchange systems?**

[NA - NO HEAT EXCHANGE SYSTEMS]

**# 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.8050]**

**Subpart HHHHH - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing**  
**How do I comply with emissions averaging for stationary process vessels at existing sources?**

[NA - COMPLIES WITH 40 CFR 63.8055]

**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.8055]**

**Subpart HHHHH - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing**  
**How do I comply with a weight percent HAP limit in coating products?**

63.8055(a) As an alternative to complying with the requirements in Table 1 to this subpart for each individual stationary process vessel at an existing source, you may elect to comply with a 5 weight percent HAP limit for process vessels at your affected source that are used to manufacture coatings with a HAP content of less than 0.05 kg per kg product as specified in paragraph (b) of this section.

63.8055(b) You may only comply with the alternative during the production of coatings that contain less than 5 weight percent HAP, as determined using any of the procedures specified in paragraphs (b)(1) through (4) of this section.

63.8055(b)(1) Method 311 (appendix A to this part). As an alternative to Method 311, you may use California Air Resources Board Method 310, Determination of Volatile Organic Compounds (VOC) in Consumer Products and Reactive Organic Compounds (ROC) in Aerosol Coating Products (incorporated by reference, see § 63.14) for use with aerosol cans.

63.8055(b)(2) Method 24 (appendix A to 40 CFR part 60). You may use Method 24 to determine the mass fraction of volatile matter and use that value as a substitute for the mass fraction of HAP, or one of the alternatives in paragraphs

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(b)(2)(i) through (iii) of this section.

63.8055(b)(2)(i) ASTM D2369-10 (Reapproved 2015)e1, (incorporated by reference, see § 63.14);

63.8055(b)(2)(ii) ASTM D2697-03 (Reapproved 2014) (incorporated by reference, see § 63.14); or

63.8055(b)(2)(iii) ASTM D3960-98 (incorporated by reference, see § 63.14).

63.8055(b)(3) You may use an alternative test method for determining mass fraction of 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.

63.8055(b)(4) You may rely on formulation data from raw material suppliers if it represents each organic HAP that is present at 0.1 percent by mass or more for the HAP listed in Table 11 to this subpart, and at 1.0 percent by mass or more for other compounds. If the HAP weight percent estimated based on formulation data conflicts with the results of a test conducted according to paragraphs (b)(1) through (3) of this section, then there is a rebuttal presumption that the test results are accurate unless, after consultation, you demonstrate to the satisfaction of the permitting authority that the test results are not accurate and that the formulation data are more appropriate.

[68 FR 69185preview citation details, Dec. 11, 2003, as amended at 70 FR 25682, May 13, 2005; 70 FR 75927, Dec. 21, 2005; 85 FR 49744, Aug. 14, 2020]

**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.8070]**

**Subpart HHHHH - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing**  
**What notifications must I submit and when?**

63.8070(a) You must submit all of the notifications in § § 63.6(h)(4) and (5), 63.7(b) and (c), 63.8(e), (f)(4) and (6), 63.9(b) through (h) that apply to you by the dates specified.

63.8070(b) [NA - INITIAL NOTIFICATION ALREADY SUBMITTED]

63.8070(c) [NA - PERFORMANCE TEST NOT REQUIRED]

[68 FR 69185, Dec. 11, 2003, as amended at 85 FR 49743, Aug. 14, 2020; 85 FR 73914, Nov. 19, 2020]

**# 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.8075]**

**Subpart HHHHH - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing**  
**What reports must I submit and when?**

63.8075(a) You must submit each report in Table 9 to this subpart that applies to you.

63.8075(b) Unless the Administrator has approved a different schedule for submission of reports under § 63.10(a), you must submit each report as specified in Table 9 to this subpart and paragraphs (b)(1) and (2) of this section.

63.8075(b)(1) The compliance reports must be submitted semiannually. The first report must be submitted no later than 240 days after the applicable compliance date and shall cover the 6-month period beginning on the compliance date. Each subsequent compliance report must cover the 6-month period following the preceding period.

63.8075(b)(2) 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 dates in Table 9.

63.8075(c) [NA - PRECOMPLIANCE REPORTING DATE HAS PASSED, FACILITY ALREADY IN COMPLIANCE]

63.8075(d) [NA - COMPLIANCE STATUS REPORT DATE HAS PASSED, FACILITY ALREADY IN COMPLIANCE]

63.8075(e) Compliance report. The compliance report must contain the information specified in paragraphs (e)(1) through (8) of this section.

63.8075(e)(1) Company name and address.

**SECTION E. Source Group Restrictions.**

63.8075(e)(2) Statement by a responsible official with that official's name, title, and signature, certifying the accuracy of the content of the report.

63.8075(e)(3) Date of report and beginning and ending dates of the reporting period.

63.8075(e)(4) Applicable records and information for periodic reports as specified in referenced subparts F, SS, TT, UU, and WW of this part 63.

63.8075(e)(5) For each SSM during which excess emissions occur, the compliance report must include the information specified in paragraphs (e)(5)(i) and (ii) of this section. On and after the compliance date specified in § 63.7995(e), this paragraph (e)(5) no longer applies.

63.8075(e)(5)(i) Records that the procedures specified in your startup, shutdown, and malfunction plan (SSMP) were followed or documentation of actions taken that are not consistent with the SSMP.

63.8075(e)(5)(ii) A description of each malfunction.

63.8075(e)(6) The compliance report must contain the information on deviations, as defined in § 63.8105, according to paragraphs (e)(6)(i), (ii), and (iii) of this section.

63.8075(e)(6)(i) If there are no deviations from any emission limit, operating limit, or work practice standard specified in this subpart, include a statement that there were no deviations from the emission limits, operating limits, or work practice standards during the reporting period.

63.8075(e)(6)(ii) For each deviation from an emission limit, operating limit, and work practice standard that occurs at an affected source where you are not using a continuous monitoring system (CMS) to comply with the emission limit or work practice standards in this subpart, you must include the information in paragraphs (e)(6)(ii)(A) through (D) of this section.

63.8075(e)(6)(ii)(A) The total operating time of each affected source during the reporting period.

63.8075(e)(6)(ii)(B) Before the compliance date specified in § 63.7995(e), information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken. On and after the compliance date specified in § 63.7995(e), report the number of failures to meet an applicable standard. For each instance, report the date, time, and duration of each failure. For each failure the report must include a list of the affected sources or equipment, an estimate of the quantity of each regulated pollutant emitted over any emission limit, a description of the method used to estimate the emissions, and the cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

63.8075(e)(6)(ii)(C) Operating logs for the day(s) during which the deviation occurred, except operating logs are not required for deviations of the work practice standards for equipment leaks.

63.8075(e)(6)(ii)(D) On and after the compliance date specified in § 63.7995(e), report the total bypass hours, as monitored according to the provisions of § 63.8080(h).

63.8075(e)(6)(iii) [NA - CMS NOT USED]

63.8075(e)(7) [NA - CEMS NOT USED]

63.8075(e)(8) Notification of process change.

63.8075(e)(8)(i) Except as specified in paragraph (e)(8)(ii) of this section, whenever you change any of the information submitted in either the notification of compliance status report or any previously reported change to the notification of compliance status report, you must document the change in your compliance report. The notification must include all of the information in paragraphs (e)(8)(i)(A) and (B) of this section.

63.8075(e)(8)(i)(A) Revisions to any of the information reported in the original notification of compliance status report

**SECTION E. Source Group Restrictions.**

under paragraph (d) of this section.

63.8075(e)(8)(i)(B) Information required by the notification of compliance status report under paragraph (d) of this section for changes involving the addition of processes or equipment at the affected source.

63.8075(e)(8)(ii) You must submit a report 60 days before the scheduled implementation date of any of the changes identified in paragraphs (e)(8)(ii)(A), (B), or (C) of this section.

63.8075(e)(8)(ii)(A) Any change to the information contained in either the precompliance report or any previously reported change to the precompliance report.

63.8075(e)(8)(ii)(B) [Reserved]

63.8075(e)(8)(ii)(C) A change in compliance status.

63.8075(f) Performance test report. On and after August 14, 2023, within 60 days after the date of completing each performance test required by § 63.8000, § 63.8005, or § 63.8010, you must submit the results of the performance test following the procedures specified in paragraphs (f)(1) through (3) of this section. The requirements of this paragraph (f) do not affect the schedule for completing performance tests specified in §§ 63.8000, 63.8005, and 63.8010.

63.8075(f)(1) Data collected using test methods supported by the EPA's Electronic Reporting Tool (ERT) as listed on the EPA's ERT website (<https://www.epa.gov/electronic-reporting-air-emissions/electronic-reporting-tool-ert>) at the time of the test. Submit the results of the performance test to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI), which can be accessed through the EPA's Central Data Exchange (CDX) (<https://cdx.epa.gov/>). The data must be submitted in a file format generated through the use of the EPA's ERT. Alternatively, you may submit an electronic file consistent with the extensible markup language (XML) schema listed on the EPA's ERT website. Submit the results of the performance test to the EPA via CEDRI, which can be accessed through the EPA's CDX (<https://cdx.epa.gov/>). The data must be submitted in a file format generated through the use of the EPA's ERT. Alternatively, you may submit an electronic file consistent with the XML schema listed on the EPA's ERT website.

63.8075(f)(2) Data collected using test methods that are not supported by the EPA's ERT as listed on the EPA's ERT website at the time of the test. The results of the performance test must be included as an attachment in the ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT website. Submit the ERT generated package or alternative file to the EPA via CEDRI.

63.8075(f)(3) Confidential business information (CBI). If you claim that some of the performance test information being submitted under paragraph (f) of this section is CBI, you must submit a complete file, including information claimed to be CBI, to the EPA. The file must be generated through the use of the EPA's ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT website. Submit the file on a compact disc, flash drive, or other commonly used electronic storage medium and clearly mark the medium as CBI. Mail the electronic medium to U.S. EPA/OAPQS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted must be submitted to the EPA via the EPA's CDX as described in this paragraph (f).

63.8075(g) Performance evaluation report. On and after August 14, 2023, within 60 days after the date of completing each CMS performance evaluation (as defined in § 63.2), you must submit the results of the performance evaluation following the procedures specified in paragraphs (g)(1) through (3) of this section.

63.8075(g)(1) Performance evaluations of CMS measuring relative accuracy test audit (RATA) pollutants that are supported by the EPA's ERT as listed on the EPA's ERT website at the time of the evaluation. Submit the results of the performance evaluation to the EPA via CEDRI, which can be accessed through the EPA's CDX. The data must be submitted in a file format generated through the use of the EPA's ERT. Alternatively, you may submit an electronic file consistent with the XML schema listed on the EPA's ERT website.

63.8075(g)(2) Performance evaluations of CMS measuring RATA pollutants that are not supported by the EPA's ERT as listed on the EPA's ERT website at the time of the evaluation. The results of the performance evaluation must be included as an attachment in the ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT website. Submit the ERT generated package or alternative file to the EPA via CEDRI.

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63.8075(g)(3) CBI. If you claim some of the information submitted under paragraph (g) of this section is CBI, you must submit a complete file, including information claimed to be CBI, to the EPA. The file must be generated through the use of the EPA's ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT website. Submit the file on a compact disc, flash drive, or other commonly used electronic storage medium and clearly mark the medium as CBI. Mail the electronic medium to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted must be submitted to the EPA via the EPA's CDX as described in paragraph (f) of this section.

63.8075(h) Reporting. You must submit to the Administrator initial compliance reports, notification of compliance status reports, and compliance reports of the following information. Beginning on and after August 14, 2023, submit all subsequent reports following the procedure specified in paragraph (i) of this section.

63.8075(i) CEDRI reports. If you are required to submit reports following the procedure specified in this paragraph (i), you must submit reports to the EPA via CEDRI, which can be accessed through the EPA's CDX (<https://cdx.epa.gov>).

63.8075(i)(1) Compliance reports. The requirements of this paragraph (i) do not affect the schedule for submitting the initial notification or the notification of compliance status reports. You must use the appropriate electronic compliance report template on the CEDRI website (<https://www.epa.gov/electronic-reporting-air-emissions/compliance-and-emissions-data-reporting-interface-cedri>) for this subpart. The date report templates become available will be listed on the CEDRI website.

63.8075(i)(2) Initial notification reports and notification of compliance status reports. You must upload to CEDRI a portable document format (PDF) file of each initial notification and of each notification of compliance status.

63.8075(i)(3) All reports. The report must be submitted by the deadline specified in this subpart, regardless of the method in which the report is submitted. If you claim some of the information required to be submitted via CEDRI is CBI, submit a complete report, including information claimed to be CBI, to the EPA. The report must be generated using the appropriate form on the CEDRI website, where applicable. Submit the file on a compact disc, flash drive, or other commonly used electronic storage medium and clearly mark the medium as CBI. Mail the electronic medium to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted shall be submitted to the EPA via the EPA's CDX as described in this paragraph (i).

63.8075(j) Extensions for CDX/CEDRI outages and force majeure events. If you are required to electronically submit a report through CEDRI in the EPA's CDX, you may assert a claim of EPA system outage for failure to timely comply with the reporting requirement in this section. To assert a claim of EPA system outage, you must meet the requirements outlined in paragraphs (j)(1) through (7) of this section.

63.8075(j)(1) You must have been or will be precluded from accessing CEDRI and submitting a required report within the time prescribed due to an outage of either the EPA's CEDRI or CDX systems.

63.8075(j)(2) The outage must have occurred within the period of time beginning 5 business days prior to the date that the submission is due.

63.8075(j)(3) The outage may be planned or unplanned.

63.8075(j)(4) You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or caused a delay in reporting.

63.8075(j)(5) You must provide to the Administrator a written description identifying:

63.8075(j)(5)(i) The date(s) and time(s) when CDX or CEDRI was accessed and the system was unavailable;

63.8075(j)(5)(ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to EPA system outage;

63.8075(j)(5)(iii) Measures taken or to be taken to minimize the delay in reporting; and

63.8075(j)(5)(iv) The date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported.

**SECTION E. Source Group Restrictions.**

63.8075(j)(6) The decision to accept the claim of EPA system outage and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

63.8075(j)(7) In any circumstance, the report must be submitted electronically as soon as possible after the outage is resolved.

63.8075(k) Force majeure. If you are required to electronically submit a report through CEDRI in the EPA's CDX, you may assert a claim of force majeure for failure to timely comply with the reporting requirement in this section. To assert a claim of force majeure, you must meet the requirements outlined in paragraphs (k)(1) through (5) of this section.

63.8075(k)(1) You may submit a claim if a force majeure event is about to occur, occurs, or has occurred or there are lingering effects from such an event within the period of time beginning five business days prior to the date the submission is due. For purposes of this section, a force majeure event is defined as an event that will be or has been caused by circumstances beyond the control of the affected facility, its contractors, or any entity controlled by the affected facility that prevents you from complying with the requirement to submit a report electronically within the time period prescribed. Examples of such events are acts of nature (e.g., hurricanes, earthquakes, or floods), acts of war or terrorism, or equipment failure or safety hazard beyond the control of the affected facility (e.g., large scale power outage).

63.8075(k)(2) You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting.

63.8075(k)(3) You must provide to the Administrator:

63.8075(k)(3)(i) A written description of the force majeure event;

63.8075(k)(3)(ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to the force majeure event;

63.8075(k)(3)(iii) Measures taken or to be taken to minimize the delay in reporting; and

63.8075(k)(3)(iv) The date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported.

63.8075(k)(4) The decision to accept the claim of force majeure and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

63.8075(k)(5) In any circumstance, the reporting must occur as soon as possible after the force majeure event occurs.

[68 FR 69185, Dec. 11, 2003, as amended at 85 FR 49744, Aug. 14, 2020]

**# 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.8080]**

**Subpart HHHHH - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing**  
**What records must I keep?**

You must keep the records specified in paragraphs (a) through (g) of this section.

63.8080(a) Each applicable record required by subpart A of this part 63 and in referenced subparts SS, TT, UU, and WW of this part 63.

63.8080(b) [NA - DOES NOT USE EMISSIONS AVERAGING FOR COMPLIANCE]

63.8080(c) Before the compliance date specified in § 63.7995(e), a record of each time a safety device is opened to avoid unsafe conditions in accordance with § 63.8000(b)(2). On and after the compliance date specified in § 63.7995(e), a record of the information in paragraphs (c)(1) through (3) of this section.

63.8080(c)(1) The source, nature, and cause of the opening.

63.8080(c)(2) The date, time, and duration of the opening.



**SECTION E. Source Group Restrictions.**

63.8080(c)(3) An estimate of the quantity of total HAP emitted during the opening and the method used for determining this quantity.

63.8080(d) [NA - NO CPMS]

63.8080(e) [NA - NO CEMS]

63.8080(f) Before the compliance date specified in § 63.7995(e), in the SSMP required by § 63.6(e)(3), you are not required to include Group 2 or non-affected emission points. For equipment leaks only, the SSMP requirement is limited to control devices and is optional for other equipment. On and after the compliance date specified in § 63.7995(e), the requirements of this paragraph (f) no longer apply.

63.8080(g) [NA - SEPARATE OPERATING LIMITS NOT ESTABLISHED]

63.8080(h) On and after the compliance date specified in § 63.7995(e), records of the total source operating time (hours) for stationary process vessels during the semiannual compliance period, and the source operating time (hours) when the control device for stationary process vessels was bypassed during the semiannual compliance period for any reason, as used in determining compliance with the percent emission reduction requirements in Table 1 to this subpart, as specified in § 63.8005(h).

63.8080(i) On and after the compliance date specified in § 63.7995(e), for each deviation from an emission limitation reported under § 63.8075(e)(5), a record of the information specified in paragraphs (i)(1) and (2) of this section, as applicable.

63.8080(i)(1) In the event that an affected unit fails to meet an applicable standard, record the number of failures. For each failure record the date, time, and duration of each failure.

63.8080(i)(2) For each failure to meet an applicable standard, record and retain a list of the affected sources or equipment, an estimate of the quantity of each regulated pollutant emitted over any emission limit and a description of the method used to estimate the emissions.

63.8080(j) Any records required to be maintained by this subpart that are submitted electronically via the EPA's CEDRI may be maintained in electronic format. This ability to maintain electronic copies does not affect the requirement for facilities to make records, data, and reports available upon request to a delegated air agency or the EPA as part of an on-site compliance evaluation.

[68 FR 69185, Dec. 11, 2003, as amended at 85 FR 49746, Aug. 14, 2020]

**# 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.8090]**

**Subpart HHHHH - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing**  
**What compliance options do I have if part of my plant is subject to both this subpart and another subpart?**

[NA - PLANT NOT SUBJECT TO THIS SUBPART AND ANOTHER SUBPART]

**# 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.8095]**

**Subpart HHHHH - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing**  
**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.

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



**SECTION E. Source Group Restrictions.**

Group Name: 005

Group Description: 40 CFR 63, Subpart DDDDD Boiler(s)

**Sources included in this group**

ID	Name
033	BURNHAM BOARDMILL 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 §127.441]****Operating permit terms and conditions.**

Individual sources within this source group that are 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 shall comply with all applicable requirements of the Subpart. 40 CFR 63.13(a) requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

Associate Director  
Office of Air Enforcement and Compliance Assistance, 3AP20  
U.S. EPA, Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

The Department copies shall be forwarded to the DEP SCRO Air Quality Program Manager at [wiveaver@pa.gov](mailto:wiveaver@pa.gov), unless otherwise directed in writing by DEP.

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

**SECTION E. Source Group Restrictions.****# 002 [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?**

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.

[76 FR page 15664, Mar. 21, 2011; 76 FR 28662, May 18, 2011; 78 FR page 7161, Jan. 31, 2013; 78 FR page 7162, Jan. 31, 2013]

**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7490]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What is the affected source of this subpart?**

63.7490(a) This subpart applies to new, reconstructed, and existing affected sources as described in paragraphs (a)(1) and (2) of this section.

63.7490(a)(1) [NA - BOILER IS NEW]

63.7490(a)(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.

63.7490(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.

63.7490(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.

63.7490(d) [NA - BOILER IS NEW]

63.7490(e) [NA - SOURCES ARE NOT EGUS]

[76 FR page 15664, Mar. 21, 2011; 76 FR 28662, May. 18, 2011; 78 FR page 7161, Jan. 31, 2013; 78 FR page 7162, Jan. 31, 2013]

**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7491]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****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.

63.7491(a) [NA - NO EGUS SUBJECT TO 5U]

63.7491(b) [NA - NOT RECOVERY BOILER OR FURNACE]

63.7491(c) [NA - NO R&D BOILERS]

63.7491(d) A hot water heater as defined in this subpart [EXEMPT HOT WATER HEATERS LISTED IN SECTION H, #002]

63.7491(e) [NA - NO REFINING KETTLES]

63.7491(f) [NA - NO ETHYLENE CRACKING FURNACE]

63.7491(g) [NA - NO BLAST FURNACE STOVES]

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63.7491(h) [NA – NO UNITS PART OF SOURCES SUBJECT TO OTHER PART 63 SUBPART, SUCH AS JJJ, OOO, PPP, U]

63.7491(i) [NA – NO UNITS USED AS CONTROL DEVICES]

63.7491(j) [NA – NO UNITS DEFINED AS TEMPORARY]

63.7491(k) [NA – NO UNITS FIRE BLAST FURNACE GAS]

63.7491(l) [NA – NO CAA SECTION 129 UNITS]

63.7491(m) [NA - UNITS DON'T BURN HAZARDOUS WASTE]

63.7491(n) [NA - NO RESIDENTIAL BOILERS]

[69 FR page 55253, Sept. 13, 2004, as amended at 71 FR page 70660, Dec. 6, 2006; 76 FR page 15665, Mar. 21, 2011; 76 FR 28662, May. 18, 2011; 78 FR page 7161, Jan. 31, 2013; 78 FR page 7162, Jan. 31, 2013; 80 FR page 72806, Nov. 20, 2015]

**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]**

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

**When do I have to comply with this subpart?**

63.7495(a) If you have a new or reconstructed boiler or process heater, you must comply with this subpart by April 1, 2013, or upon startup of your boiler or process heater, whichever is later.

63.7495(b) [NA - BOILER IS NEW]

63.7495(c) [NA - FACILITY IS ALREADY A MAJOR SOURCE]

63.7495(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.

63.7495(e) [NA – BOILERS DO NOT COMBUST SOLID WASTE]

63.7495(f) [NA - SOURCES ARE NOT EGUS]

63.7495(g) [NA - UNITS ARE NOT USED AS A CONTROL DEVICE]

63.7495(h) [NA - BOILER IS NEW]

63.7495(i) If you own or operate a new 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, you must be in compliance with the applicable new source provisions of this subpart on the effective date of the fuel switch or physical change.

[76 FR page 15665, Mar. 21, 2011; 76 FR 28662, May. 18, 2011; 78 FR page 7161, Jan. 31, 2013; 78 FR page 7162, Jan. 31, 2013; 80 FR page 72807, Nov. 20, 2015]

**# 006 [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?**

The subcategories of boilers and process heaters, as defined in § 63.7575 are:

63.7499(a) [NA - UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH PULVERIZED COAL]

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63.7499(b) [NA - UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH COAL/SOLID FOSSIL FUEL]

63.7499(c) [NA - UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH FLUIDIZED BED COAL]

63.7499(d) - (j) [NA - UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH BIOMASS]

63.7499(k) [NA - UNITS ARE NOT NON-CONTINENTAL]

63.7499(l) Units designed to burn gas 1 fuels.

63.7499(m) [NA - UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH "GAS 2"]

63.7499(n) [NA - UNITS IN THIS SOURCE GROUP ARE NOT METAL PROCESS FURNACES]

63.7499(o) [NA - UNITS IN THIS SOURCE GROUP ARE NOT LIMITED-USE]

63.7499(p) [NA - UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH SOLID FUEL]

63.7499(q) [NA - UNITS DO NOT BURN LIQUID FUEL]

63.7499(r) [NA - UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH SOLID FUEL]

63.7499(s) [NA - UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH SOLID FUEL]

63.7499(t) [NA - UNITS DO NOT BURN HEAVY LIQUID FUEL]

63.7499(u) [NA - UNITS DO NOT BURN LIGHT LIQUID FUEL]

[76 FR page 15665, Mar. 21, 2011; 76 FR 28662, May. 18, 2011; 78 FR page 7161, Jan. 31, 2013; 78 FR page 7163, Jan. 31, 2013]

**# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]**

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

**What emission limits, work practice standards, and operating limits must I meet?**

63.7500(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.

63.7500(a)(1) You must meet each emission limit and work practice standard in Tables 1 through 3, and 11 through 13 [OF THESE TABLES, ONLY TABLE 3 APPLIES TO THE UNIT IN THIS SOURCE GROUP] 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 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.

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## TABLE 3 REQUIREMENTS

As stated in § 63.7500, you must comply with the following applicable work practice standards:

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.

## END OF TABLE 3 REQUIREMENTS

63.7500(a)(i) – (iii) [NA – NO EMISSION STANDARDS]

63.7500(a)(2) [NA – NO EMISSION STANDARDS]

63.7500(a)(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.

63.7500(b) As provided in § 63.6(g), EPA may approve use of an alternative to the work practice standards in this section.

63.7500(c) [NA - NOT LIMITED-USE BOILERS]

63.7500(d) [NA - UNITS DO NOT BURN GAS 2 OR LIGHT LIQUED FUEL]

63.7500(e) Boilers and process heaters in the units designed to burn gas 1 fuels subcategory with a heat input capacity of less than 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. 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.

63.7500(f) These standards apply at all times the affected unit is operating, except during periods of startup and shutdown during which time you must comply only with items 5 and 6 of Table 3 to this subpart.

[76 FR page 15665, Mar. 21, 2011; 76 FR 28662, May. 18, 2011; 78 FR page 7161, Jan. 31, 2013; 78 FR page 7163, Jan. 31, 2013; 80 FR page 72807, Nov. 20, 2015]

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7505]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What are my general requirements for complying with this subpart?**

63.7505(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).

63.7505(b) [Reserved]

63.7505(c) [NA – NO EMISSION STANDARDS]

63.7505(d) [NA – NO EMISSION STANDARDS]

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63.7505(e) [NA – NO EMISSION STANDARDS]

[69 FR page 55253, Sept. 13, 2004, as amended at 71 FR page 20467, Apr. 20, 2006; 76 FR page 15666, Mar. 21, 2011; 76 FR 28662, May. 18, 2011; 78 FR page 7161, Jan. 31, 2013; 78 FR page 7164, Jan. 31, 2013; 80 FR page 72807, Nov. 20, 2015]

**# 009 [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?**

63.7510(a) [NA – NO EMISSION STANDARDS]

63.7510(b) [NA – NO EMISSION STANDARDS]

63.7510(c) [NA – NO EMISSION STANDARDS]

63.7510(d) [NA – NO EMISSION STANDARDS]

63.7510(e) [NA - BOILER IS NEW]

63.7510(f) [NA - ALTHOUGH NEW, BOILER IS NOT SUBJECT TO NUMERIC EMISSION LIMITS]

63.7510(g) For new or reconstructed affected sources (as defined in § 63.7490), you must demonstrate initial compliance with the applicable work practice standards in Table 3 to this subpart within the applicable annual, biennial, or 5-year schedule as specified in § 63.7515(d) following the initial compliance date specified in § 63.7495(a). Thereafter, you are required to complete the applicable annual, biennial, or 5-year tune-up as specified in § 63.7515(d).

63.7510(h) [NA – SOURCES IN THIS GROUP HAVE NOT BURNED SOLID WASTE]

63.7510(i) [NA – NO EGU'S]

63.7510(j) [NA - BOILER IS NEW]

63.7510(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.

[69 FR page 55253, Sept. 13, 2004, as amended at 71 FR page 70660, Dec. 6, 2006; 76 FR page 15667, Mar. 21, 2011; 76 FR 28662, May. 18, 2011; 78 FR page 7161, Jan. 31, 2013; 78 FR page 7164, Jan. 31, 2013; 80 FR page 72808, Nov. 20, 2015]

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]**

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

**When must I conduct subsequent performance tests or fuel analyses, or tune-ups?**

63.7515(a) [NA – PERFORMANCE TESTING NOT REQUIRED]

63.7515(b) [NA – PERFORMANCE TESTING NOT REQUIRED]

63.7515(c) [NA – PERFORMANCE TESTING NOT REQUIRED]

63.7515(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

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later.

63.7515(e) [NA – FUEL ANALYSIS NOT REQUIRED]

63.7515(f) [NA – PERFORMANCE TESTING/FUEL ANALYSIS NOT REQUIRED]

63.7515(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. 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.

63.7515(h) [NA – PERFORMANCE TESTING NOT REQUIRED]

63.7515(i) [NA - NO CO CEMS]

[76 FR page 15667, Mar. 21, 2011; 76 FR 28662, May. 18, 2011; 78 FR page 7161, Jan. 31, 2013; 78 FR page 7165, Jan. 31, 2013; 80 FR page 72808, Nov. 20, 2015]

**# 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7520]**

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

**What performance tests and procedures must I use?**

63.7520(a) – (f) [NA – PERFORMANCE TESTING NOT REQUIRED]

**# 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7521]**

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

**What fuel analyses and procedures must I use?**

63.7521(a) – (i) [NA – FUEL ANALYSIS NOT REQUIRED SINCE NO EMISSION STANDARDS]

**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7522]**

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

**Can I use emission averaging to comply with this subpart?**

63.7522(a) – (k) [NA – NO EMISSION STANDARDS]

**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7525]**

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

**What are my monitoring, installation, operation, and maintenance requirements?**

63.7525(a) [NA – NO EMISSION STANDARDS]

63.7525(b) [NA – NO EMISSION STANDARDS]

63.7525(c) [NA – NO EMISSION STANDARDS]

63.7525(d) [NA – NO CMS REQUIRED]

63.7525(e) [NA – NO FLOW MONITORING SYSTEM REQUIRED]

63.7525(f) [NA – NO PRESSURE MONITORING SYSTEM REQUIRED]

63.7525(g) [NA – NO PH MONITORING SYSTEM REQUIRED]

63.7525(h) [NA – NO ESP]

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63.7525(i) [NA – NO SORBENT INJECTION RATE MONITORING SYSTEM]

63.7525(j) [NA – NO BLDS]

63.7525(k) [NA - UNITS ARE NOT LIMITED-USE BOILERS]

63.7525(l) [NA – NO EMISSION STANDARDS]

63.7525(m) [NA – NO EMISSION STANDARDS]

**# 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7530]**

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

**How do I demonstrate initial compliance with the emission limitations, fuel specifications and work practice standards?**

63.7530(a) [NA – NO EMISSION STANDARDS]

63.7530(b) [NA – NO EMISSION STANDARDS]

63.7530(c) [NA – NO EMISSION STANDARDS]

63.7530(d) [Reserved]

63.7530(e) [NA - NEW BOILER NOT REQUIRED TO CONDUCT AN ENERGY ASSESSMENT]

63.7530(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).

63.7530(g) [NA – UNITS DO NOT USE “OTHER GAS 1 FUEL”]

63.7530(h) [NA – NO EMISSION STANDARDS]

63.7530(i) [NA – NO EMISSION STANDARDS]

[76 FR page 15673, Mar. 21, 2011; 76 FR 28662, May. 18, 2011; 78 FR page 7161, Jan. 31, 2013; 78 FR page 7174, Jan. 31, 2013; 80 FR page 72811, Nov. 20, 2015]

**# 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7533]**

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

**Can I use emission credits earned from implementation of energy conservation measures to comply with this subpart?**

63.7533(a) – (g) [NA – NO EMISSION STANDARDS]

**# 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7535]**

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

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

63.7535(a) - (c) [NA – NO CMS REQUIRED]

**# 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]**

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

**How do I demonstrate continuous compliance with the emission limitations, fuel specifications and work practice standards?**

63.7540(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.



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63.7540(a)(1) [NA – NO EMISSION STANDARDS]

63.7540(a)(2) As specified in § 63.7555(d), you must keep records of the type and amount of all fuels burned in each boiler or process heater during the reporting period to demonstrate that all fuel types and mixtures of fuels burned would result in either of the following:

63.7540(a)(2)(i) - (ii) [NA – NO EMISSION STANDARDS]

63.7540(a)(3) [NA – NO EMISSION STANDARDS]

63.7540(a)(4) [NA – NO EMISSION STANDARDS]

63.7540(a)(5) [NA – NO EMISSION STANDARDS]

63.7540(a)(6) [NA – NO EMISSION STANDARDS]

63.7540(a)(7) [NA – NO EMISSION STANDARDS]

63.7540(a)(8) [NA – NO EMISSION STANDARDS]

63.7540(a)(9) [NA – NO EMISSION STANDARDS]

63.7540(a)(10) [NA - BOILER < 10 MMBTU/HR]

63.7540(a)(10)(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;

63.7540(a)(10)(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;

63.7540(a)(10)(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;

63.7540(a)(10)(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;

63.7540(a)(10)(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

63.7540(a)(10)(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,

63.7540(a)(10)(vi)(A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;

63.7540(a)(10)(vi)(B) A description of any corrective actions taken as a part of the tune-up; and

63.7540(a)(10)(vi)(C) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was

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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.

63.7540(a)(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.

63.7540(a)(12) [NA - UNITS > 5 MMBTU/HR AND DO NOT HAVE CONTINUOUS OXYGEN TRIM SYSTEM]

63.7540(a)(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.

63.7540(a)(14) [NA – NO EMISSION STANDARDS]

63.7540(a)(15) [NA – NO EMISSION STANDARDS]

63.7540(a)(16) [NA – NO EMISSION STANDARDS]

63.7540(a)(17) [NA – NO EMISSION STANDARDS]

63.7540(a)(18) [NA – NO EMISSION STANDARDS]

63.7540(a)(19) [NA – NO EMISSION STANDARDS]

63.7540(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.

63.7540(c) [NA – NO EMISSION STANDARDS]

63.7540(d) [NA – NO EMISSION STANDARDS]

[69 FR page 55253, Sept. 13, 2004, as amended at 71 FR page 20467, Apr. 20, 2006; 71 FR page 70662, Dec. 6, 2006; 76 FR page 15676, Mar. 21, 2011; 76 FR 28662, May. 18, 2011; 78 FR page 7161, Jan. 31, 2013; 78 FR page 7179, Jan. 31, 2013; 80 FR page 72813, Nov. 20, 2015]

**# 019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7541]**

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

**How do I demonstrate continuous compliance under the emission averaging provision?**

63.7541(a) – (b) [NA – NO EMISSION STANDARDS]

**# 020 [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?**

63.7545(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.

63.7545(b) [NA - SOURCE STARTED AFTER 1/31/13]

63.7545(c) As specified in § 63.9(b)(4) and (5), if you startup your new or reconstructed affected source on or after January 31, 2013, you must submit an Initial Notification not later than 15 days after the actual date of startup of the affected source. For a new or reconstructed affected source that has reclassified to major source status, you must submit an Initial Notification not later 120 days after the source becomes subject to this subpart.

63.7545(d) [NA – PERFORMANCE TESTING NOT REQUIRED]

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63.7545(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).

63.7545(e)(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.

63.7545(e)(2) [NA – NO EMISSION STANDARDS]

63.7545(e)(3) [NA – NO EMISSION STANDARDS]

63.7545(e)(4) [NA – NO EMISSION STANDARDS]

63.7545(e)(5) [NA – NO EMISSION STANDARDS]

63.7545(e)(6) A signed certification that you have met all applicable emission limits and work practice standards.

63.7545(e)(7) If you had a deviation from any emission limit, work practice standard, or operating limit, you must also submit a description of the deviation, the duration of the deviation, and the corrective action taken in the Notification of Compliance Status report.

63.7545(e)(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:

63.7545(e)(8)(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)."

63.7545(e)(8)(ii) [NA - ENERGY ASSESSMENT NOT REQUIRED]

63.7545(e)(8)(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."

63.7545(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 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.

63.7545(f)(1) Company name and address.

63.7545(f)(2) Identification of the affected unit.

63.7545(f)(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.

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63.7545(f)(4) Type of alternative fuel that you intend to use.

63.7545(f)(5) Dates when the alternative fuel use is expected to begin and end.

63.7545(g) [NA – UNITS IN THIS GROUP DO NOT BURN SOLID WASTE]

63.7545(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:

63.7545(h)(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.

63.7545(h)(2) The currently applicable subcategory under this subpart.

63.7545(h)(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; 85 FR 73913, Nov. 19, 2020; 85 FR 84262, Dec. 28, 2020]

**# 021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]**

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

**What reports must I submit and when?**

63.7550(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. If there are no deviations from any emission limitation (emission limit and operating limit) that applies to you and there are no deviations from the requirements for work practice standards in Table 3 to this subpart that apply to you, a statement that there were no deviations from the emission limitations and work practice standards during the reporting period. If there were no periods during which the CMSs, including continuous emissions monitoring system, continuous opacity monitoring system, and operating parameter monitoring systems, were out-of-control as specified in § 63.8(c)(7), a statement that there were no periods during which the CMSs were out-of-control during the reporting period; and

c. If you have a deviation from any emission limitation (emission limit and operating limit) where you are not using a CMS to comply with that emission limit or operating limit, or a deviation from a work practice standard during the reporting period, the report must contain the information in § 63.7550(d); and

d. [NA – NO EMISSION STANDARDS]

You must submit the report semiannually, annually, biennially, or every 5 years according to the requirements in § 63.7550(b).

**END OF TABLE 9 REQUIREMENTS**

63.7550(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-up according to § 63.7540(a)(10), (11), or (12), respectively, and not

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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.

63.7550(b)(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.

63.7550(b)(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.

63.7550(b)(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.

63.7550(b)(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 semiannual reporting period. Annual, biennial, and 5-year compliance reports must be postmarked or submitted no later than January 31.

63.7550(b)(5) For each affected source that is subject to permitting regulations pursuant to part 70 or part 71 of this chapter, 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 in the permit instead of according to the dates in paragraphs (b)(1) through (4) of this section.

63.7550(c) A compliance report must contain the following information depending on how the facility chooses to comply with the limits set in this rule.

63.7550(c)(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.

63.7550(c)(2) [NA – FUEL ANALYSES NOT REQUIRED]

63.7550(c)(3) [NA – NO EMISSION STANDARDS]

63.7550(c)(4) [NA – NO EMISSION STANDARDS]

63.7550(c)(5)

63.7550(c)(5)(i) Company and Facility name and address.

63.7550(c)(5)(ii) Process unit information, emissions limitations, and operating parameter limitations.

63.7550(c)(5)(iii) Date of report and beginning and ending dates of the reporting period.

63.7550(c)(5)(iv) The total operating time during the reporting period.

63.7550(c)(5)(v) - (xiii) [NA – NO EMISSION STANDARDS]

63.7550(c)(5)(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.

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63.7550(c)(5)(xv) - (xvii) [NA – NO EMISSION STANDARDS]

63.7550(c)(5)(xviii) For each instance of startup or shutdown include the information required to be monitored, collected, or recorded according to the requirements of § 63.7555(d).

63.7550(d) [NA – NO EMISSION STANDARDS]

63.7550(e) [NA – NO EMISSION STANDARDS]

63.7550(f) [Reserved]

63.7550(g) [Reserved]

63.7550(h) You must submit the reports according to the procedures specified in paragraphs (h)(1) through (3) of this section.

63.7550(h)(1) [NA – NO EMISSION STANDARDS]

63.7550(h)(2) [NA – NO EMISSION STANDARDS]

63.7550(h)(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.

[76 FR page 15679, Mar. 21, 2011; 76 FR 28662, May. 18, 2011; 78 FR page 7161, Jan. 31, 2013; 78 FR page 7183, Jan. 31, 2013; 80 FR page 72814, Nov. 20, 2015]

**# 022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]**

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

**What records must I keep?**

63.7555(a) You must keep records according to paragraphs (a)(1) and (2) of this section.

63.7555(a)(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).

63.7555(a)(2) Records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in § 63.10(b)(2)(viii).

63.7555(a)(3) [NA - BOILER NOT IN THE LIMITED USE SUBCATEGORY]

63.7555(b) [NA – NO EMISSION STANDARDS]

63.7555(c) [NA – NO EMISSION STANDARDS]

63.7555(d) [NA – NO EMISSION STANDARDS]

63.7555(e) [NA – NO EMISSION STANDARDS]

63.7555(f) [NA – NO EMISSION STANDARDS]

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63.7555(g) [NA – NO EMISSION STANDARDS]

63.7555(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 page 15681, Mar. 21, 2011; 76 FR 28662, May. 18, 2011; 78 FR page 7161, Jan. 31, 2013; 78 FR page 7185, Jan. 31, 2013; 80 FR page 72816, Nov. 20, 2015]

**# 023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]**

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

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

63.7560(a) Your records must be in a form suitable and readily available for expeditious review, according to § 63.10(b)(1).

63.7560(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.

63.7560(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.

[76 FR page 15682, Mar. 21, 2011; 76 FR 28662, May. 18, 2011; 78 FR page 7161, Jan. 31, 2013]

**# 024 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7565]**

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

**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.

[76 FR page 15682, Mar. 21, 2011; 76 FR 28662, May. 18, 2011; 78 FR page 7161, Jan. 31, 2013]

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

**SECTION E. Source Group Restrictions.**

Group Name: 006

Group Description: 40 CFR 63, Subpart UUU Source(s)

**Sources included in this group**

ID	Name
503	PERLITE EXPANDER 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 §127.441]****Operating permit terms and conditions.**

Individual sources within this source group that are subject to 40 CFR Part 60 Subpart UUU—Standards of Performance for Calciners and Dryers in Mineral Industries shall comply with all applicable requirements of the Subpart. 40 CFR 60.4(a) requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

Associate Director  
Office of Air Enforcement and Compliance Assistance, 3AP20  
U.S. EPA, Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

The Department copies shall be forwarded to the DEP SCRO Air Quality Program Manager at [wiveaver@pa.gov](mailto:wiveaver@pa.gov), unless otherwise directed in writing by DEP.

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.



**SECTION E. Source Group Restrictions.****# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.730]****Subpart UUU - Standards of Performance for Calciners and Dryers in Mineral Industries****Applicability and designation of affected facility.**

60.730(a) The affected facility to which the provisions of this subpart apply is each calciner and dryer at a mineral processing plant. Feed and product conveyors are not considered part of the affected facility. For the brick and related clay products industry, only the calcining and drying of raw materials prior to firing of the brick are covered.

60.730(b) An affected facility that is subject to the provisions of subpart LL, Metallic Mineral Processing Plants, is not subject to the provisions of this subpart. Also, the following processes and process units used at mineral processing plants are not subject to the provisions of this subpart: vertical shaft kilns in the magnesium compounds industry; the chlorination-oxidation process in the titanium dioxide industry; coating kilns, mixers, and aerators in the roofing granules industry; and tunnel kilns, tunnel dryers, apron dryers, and grinding equipment that also dries the process material used in any of the 17 mineral industries (as defined in § 60.731, "Mineral processing plant").

60.730(c) The owner or operator of any facility under paragraph (a) of this section that commences construction, modification, or reconstruction after April 23, 1986, is subject to the requirements of this subpart.

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.732]****Subpart UUU - Standards of Performance for Calciners and Dryers in Mineral Industries****Standards for particulate matter.**

Each owner or operator of any affected facility that is subject to the requirements of this subpart shall comply with the emission limitations set forth in this section on and after the date on which the initial performance test required by § 60.8 is completed, but not later than 180 days after the initial startup, whichever date comes first. No emissions shall be discharged into the atmosphere from any affected facility that:

60.732(a) Contains particulate matter in excess of 0.092 gram per dry standard cubic meter (g/dscm) [0.040 grain per dry standard cubic foot (gr/dscf)] for calciners and for calciners and dryers installed in series and in excess of 0.057 g/dscm (0.025 gr/dscf) for dryers; and

60.732(b) [NA - FACILITY USES A WET SCRUBBER]

[57 FR 44503, Sept. 28, 1992, as amended at 65 FR 61778, Oct. 17, 2000]

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.733]****Subpart UUU - Standards of Performance for Calciners and Dryers in Mineral Industries****Reconstruction.**

The cost of replacement of equipment subject to high temperatures and abrasion on processing equipment shall not be considered in calculating either the "fixed capital cost of the new components" or the "fixed capital cost that would be required to construct a comparable new facility" under § 60.15. Calciner and dryer equipment subject to high temperatures and abrasion are: end seals, flights, and refractory lining.

**# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.734]****Subpart UUU - Standards of Performance for Calciners and Dryers in Mineral Industries****Monitoring of emissions and operations.**

60.734(a) - (c) [NA - FACILITY USES A WET SCRUBBER]

60.734(d) The owner or operator of an affected facility subject to the provisions of this subpart who uses a wet scrubber to comply with the mass emission standard for any affected facility shall install, calibrate, maintain, and operate monitoring devices that continuously measure and record the pressure loss of the gas stream through the scrubber and the scrubbing liquid flow rate to the scrubber. The pressure loss monitoring device must be certified by the manufacturer to be accurate within 5 percent of water column gauge pressure at the level of operation. The liquid flow rate monitoring device must be certified by the manufacturer to be accurate within 5 percent of design scrubbing liquid flow rate.

**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.735]****Subpart UUU - Standards of Performance for Calciners and Dryers in Mineral Industries****Recordkeeping and reporting requirements.**

60.735(a) Records of the measurements required in § 60.734 of this subpart shall be retained for at least 2 years.

**SECTION E. Source Group Restrictions.**

60.735(b) Each owner or operator who uses a wet scrubber to comply with § 60.732 shall determine and record once each day, from the recordings of the monitoring devices in § 60.734(d), an arithmetic average over a 2-hour period of both the change in pressure of the gas stream across the scrubber and the flowrate of the scrubbing liquid.

60.735(c) Each owner or operator shall submit written reports semiannually of exceedances of control device operating parameters required to be monitored by § 60.734 of this subpart. For the purpose of these reports, exceedances are defined as follows:

60.735(c)(1) [NA - FACILITY USES A WET SCRUBBER]

60.735(c)(2) Any daily 2-hour average of the wet scrubber pressure drop determined as described in § 60.735(b) that is less than 90 percent of the average value recorded according to § 60.736(c) during the most recent performance test that demonstrated compliance with the particulate matter standard; or

60.735(c)(3) Each daily wet scrubber liquid flow rate recorded as described in § 60.735(b) that is less than 80 percent or greater than 120 percent of the average value recorded according to § 60.736(c) during the most recent performance test that demonstrated compliance with the particulate matter standard.

60.735(d) The requirements of this section remain in force until and unless the Agency, in delegating enforcement authority to a State under section 111(c) of the Clean Air Act, approves reporting requirements or an alternative means of compliance surveillance adopted by such State. In that event, affected facilities within the State will be relieved of the obligation to comply with this section provided that they comply with the requirements established by the State.

[57 FR 44503, Sept. 28, 1992, as amended at 58 FR 40591, July 29, 1993]

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.736]**

**Subpart UUU - Standards of Performance for Calciners and Dryers in Mineral Industries  
Test methods and procedures.**

60.736(a) In conducting the performance tests required in § 60.8, the owner or operator shall use the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided in § 60.8(b).

60.736(b) The owner or operator shall determine compliance with the particulate matter standards in § 60.732 as follows:

60.736(b)(1) Method 5 shall be used to determine the particulate matter concentration. The sampling time and volume for each test run shall be at least 2 hours and 1.70 dscm.

60.736(b)(2) Method 9 and the procedures in § 60.11 shall be used to determine opacity from stack emissions.

60.736(c) During the initial performance test of a wet scrubber, the owner or operator shall use the monitoring devices of § 60.734(d) to determine the average change in pressure of the gas stream across the scrubber and the average flowrate of the scrubber liquid during each of the particulate matter runs. The arithmetic averages of the three runs shall be used as the baseline average values for the purposes of § 60.735(c).

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

**SECTION E. Source Group Restrictions.**

Group Name: 007

Group Description: 40 CFR 63, Subpart ZZZZ Engine(s)

**Sources included in this group**

ID	Name
301	EMERGENCY GENERATORS

**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 §127.441]****Operating permit terms and conditions.**

Regulatory Changes:

Individual sources within this source group that are subject to 40 CFR Part 63 Subpart ZZZZ -National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines shall comply with all applicable requirements of the Subpart. 40 CFR 63.13(a) requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

Associate Director  
Office of Air Enforcement and Compliance Assistance, 3AP20  
U.S. EPA, Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

The Department copies shall be forwarded to the DEP SCRO Air Quality Program Manager at wiweaver@pa.gov, unless otherwise directed in writing by DEP.

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions

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of the revised subpart.

**# 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

You are subject to this subpart if you own or operate a stationary RICE at a major or area source of HAP emissions, except if the stationary RICE is being tested at a stationary RICE test cell/stand.

63.6585(a) A stationary RICE is any internal combustion engine which uses reciprocating motion to convert heat energy into mechanical work and which is not mobile. Stationary RICE differ from mobile RICE in that a stationary RICE is not a non-road engine as defined at 40 CFR 1068.30, and is not used to propel a motor vehicle or a vehicle used solely for competition.

63.6585(b) A major source of HAP emissions is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons (9.07 megagrams) or more per year or any combination of HAP at a rate of 25 tons (22.68 megagrams) or more per year, except that for oil and gas production facilities, a major source of HAP emissions is determined for each surface site.

63.6585(c) [NA - FACILITY IS A MAJOR SOURCE OF HAP]

63.6585(d) [NA - FACILITY IS A MAJOR SOURCE OF HAP]

63.6585(e) [NA – NOT USED FOR NATIONAL SECURITY PURPOSES]

63.6585(f) [NA – RICE NOT RESIDENTIAL, COMMERCIAL OR INSTITUTIONAL]

[69 FR page 33506, June 15, 2004, as amended at 73 FR page 3603, Jan. 18, 2008; 78 FR page 6700, Jan. 30, 2013]

**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What parts of my plant does this subpart cover?**

This subpart applies to each affected source.

63.6590(a) Affected source.

An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

63.6590(a)(1) Existing stationary RICE.

63.6590(a)(1)(i) [NA – ENGINES <500 HP]

63.6590(a)(1)(ii) For stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.

63.6590(a)(1)(iii) [NA - FACILITY IS MAJOR FOR HAP]

63.6590(a)(1)(iv) A change in ownership of an existing stationary RICE does not make that stationary RICE a new or reconstructed stationary RICE.

63.6590(a)(2) [NA - ENGINES ARE EXISTING]

63.6590(a)(3) [NA - ENGINES ARE NOT RECONSTRUCTED]

**SECTION E. Source Group Restrictions.**

63.6590(b) Stationary RICE subject to limited requirements.

63.6590(b)(1) An affected source which meets either of the criteria in paragraphs (b)(1)(i) through (ii) of this section does not have to meet the requirements of this subpart and of subpart A of this part except for the initial notification requirements of § 63.6645(f).

63.6590(b)(1)(i) [NA - ENGINES ARE NOT NEW OR RECONSTRUCTED]

63.6590(b)(1)(ii) [NA - ENGINES ARE NOT NEW OR RECONSTRUCTED]

63.6590(b)(2) [NA - EXISTING ENGINES]

63.6590(b)(3) The following stationary RICE do not have to meet the requirements of this subpart and of subpart A of this part, including initial notification requirements:

63.6590(b)(3)(i) [NA - ENGINES NOT 2SLB >500 HP]

63.6590(b)(3)(ii) [NA - ENGINES NOT 4SLB OR >500 HP]

63.6590(b)(3)(iii) [NA - ENGINES <500 HP]

63.6590(b)(3)(iv) [NA - ENGINES <500 HP]

63.6590(b)(3)(v) [NA - ENGINES <500 HP AND DO NOT COMBUST LFG]

63.6590(c) [NA – NOT SUBJECT TO SUBPARTS IIII OR JJJJ]

[69 FR page 33506, June 15, 2004, as amended at 73 FR page 3604, Jan. 18, 2008; 75 FR page 9674, Mar. 3, 2010; 75 FR page 37733, June 30, 2010; 75 FR page 51588, Aug. 20, 2010; 78 FR page 6700, Jan. 30, 2013]

**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6595]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**When do I have to comply with this subpart?**

63.6595(a) Affected Sources.

63.6595(a)(1) If you have an existing stationary RICE, excluding existing non-emergency CI stationary RICE, with a site rating of more than 500 brake HP located at a major source of HAP emissions, you must comply with the applicable emission limitations, operating limitations and other requirements no later than June 15, 2007. If you have an existing nonemergency CI stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, an existing stationary CI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, or an existing stationary CI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations, operating limitations, and other requirements no later than May 3, 2013. If you have an existing stationary SI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, or an existing stationary SI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations, operating limitations, and other requirements no later than October 19, 2013.

63.6595(a)(2) - (7) [NA - EXISTING ENGINES]

63.6595(b) [NA - FACILITY IS MAJOR FOR HAP]

63.6595(c) If you own or operate an affected source, you must meet the applicable notification requirements in § 63.6645 and in 40 CFR part 63, subpart A.

[69 FR page 33506, June 15, 2004, as amended at 73 FR page 3604, Jan. 18, 2008; 75 FR page 9675, Mar. 3, 2010; 75 FR page 51589, Aug. 20, 2010; 78 FR page 6701, Jan. 30, 2013]

**SECTION E. Source Group Restrictions.****# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6600]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**What emission limitations and operating limitations must I meet if I own or operate a stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions?**

[NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

**# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6602]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**What emission limitations must I meet if I own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions?**

If you own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions, you must comply with the emission limitations and other requirements in Table 2c to this subpart which apply to you. Compliance with the numerical emission limitations established in this subpart is based on the results of testing the average of three 1-hour runs using the testing requirements and procedures in § 63.6620 and Table 4 to this subpart.

## TABLE 2C REQUIREMENTS:

6. For each EMERGENCY STATIONARY SI RICE and black start stationary SI RICE, you must meet the following requirement, except during periods of startup:

- a. Change oil and filter every 500 hours of operation or annually, whichever comes first;\*\*
- b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.\*\*\*

During periods of startup you must Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply\*\*\*

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

\*\*Sources have the option to utilize an oil analysis program as described in § 63.6625(i) or (j) in order to extend the specified oil change requirement in Table 2c of this subpart

\*\*\*Sources can petition the Administrator pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices.

[END OF TABLE 2c REQUIREMENTS]

[75 FR page 51589, Aug. 20, 2010; 78 FR page 6701, Jan. 30, 2013]

**# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?**

[NA - FACILITY IS MAJOR FOR HAP]

**SECTION E. Source Group Restrictions.****# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6604]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What fuel requirements must I meet if I own or operate an existing stationary CI RICE?**

[NA – EXISTING EMERGENCY ENGINE(S) ARE NOT SUBJECT TO FUEL REQUIREMENTS]

[78 FR 6702, Jan. 30, 2013, as amended at 85 FR 78463, Dec. 4, 2020]

**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my general requirements for complying with this subpart?**

63.6605(a) You must be in compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply to you at all times.

63.6605(b) At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[69 FR page 33506, June 15, 2004, as amended at 75 FR page 9675, Mar. 3, 2010; 78 FR page 6702, Jan. 30, 2013]

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6612]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate an existing stationary RICE with a site rating of less than or equal to 500 brake (please see below)**

If you own or operate an existing stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing stationary RICE located at an area source of HAP emissions you are subject to the requirements of this section.

63.6612(a) You must conduct any initial performance test or other initial compliance demonstration according to Tables 4 and 5 to this subpart that apply to you within 180 days after the compliance date that is specified for your stationary RICE in § 63.6595 and according to the provisions in § 63.7(a)(2). [PER TABLES 4 AND 5, NO TESTING APPLIES TO EMERGENCY ENGINES]

63.6612(b) [PER TABLES 4 AND 5, NO TESTING APPLIES TO EMERGENCY ENGINES]

[75 FR page 9676, Mar. 3, 2010, as amended at 75 FR page 51589, Aug. 20, 2010]

**# 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6615]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****When must I conduct subsequent performance tests?**

[PER TABLE 3, NO TESTING APPLIES TO EMERGENCY ENGINES]

**# 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6620]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What performance tests and other procedures must I use?**

[PER TABLES 3 AND 4, NO TESTING APPLIES TO EMERGENCY ENGINES]

**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**



**SECTION E. Source Group Restrictions.**

63.6625(a) [NA – CEMS NOT REQUIRED]

63.6625(b) [NA – CPMS NOT REQUIRED]

63.6625(c) [NA – LFG NOT USED]

63.6625(d) [NA - EXISTING ENGINES]

63.6625(e) If you own or operate any of the following stationary RICE, you must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions:

63.6625(e)(1) An existing stationary RICE with a site rating of less than 100 HP located at a major source of HAP emissions;

63.6625(e)(2) An existing emergency or black start stationary RICE with a site rating of less than or equal to 500 HP located at a major source of HAP emissions;

63.6625(e)(3) - (10) [NA - FACILITY IS MAJOR FOR HAP]

63.6625(f) If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing emergency stationary RICE located at an area source of HAP emissions, you must install a non-resettable hour meter if one is not already installed.

63.6625(g) [NA – EMERGENCY ENGINE(S)]

63.6625(h) If you operate a new, reconstructed, or existing stationary engine, you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply.

63.6625(i) [NA - NO STATIONARY CI ENGINES]

63.6625(j) If you own or operate a stationary SI engine that is subject to the work, operation or management practices in items 6, 7, or 8 of Table 2c to this subpart or in items 5, 6, 7, 9, or 11 of Table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

[69 FR page 33506, June 15, 2004, as amended at 73 FR page 3606, Jan. 18, 2008; 75 FR page 9676, Mar. 3, 2010; 75 FR page 51589, Aug. 20, 2010; 76 FR page 12866, Mar. 9, 2011; 78 FR page 6703, Jan. 30, 2013]

**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6630]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**How do I demonstrate initial compliance with the emission limitations and operating limitations?**

[NA - EXISTING EMERGENCY ENGINES ARE NOT SUBJECT TO EMISSION LIMITS]



**SECTION E. Source Group Restrictions.****# 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6635]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I monitor and collect data to demonstrate continuous compliance?**

[NA - ENGINES NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

**# 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

63.6640(a) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you according to methods specified in Table 6 to this subpart.

63.6640(b) [NA - NO EMISSION OR OPERATING LIMITATIONS]

63.6640(c) [NA - FACILITY IS MAJOR FOR HAP]

63.6640(d) [NA - ENGINES ARE EXISTING]

63.6640(e) You must also report each instance in which you did not meet the requirements in Table 8 to this subpart that apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to this subpart: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing emergency stationary RICE, an existing limited use stationary RICE, or an existing stationary RICE which fires landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to this subpart, except for the initial notification requirements: a new or reconstructed stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new or reconstructed emergency stationary RICE, or a new or reconstructed limited use stationary RICE.

63.6640(f) If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

63.6640(f)(1) There is no time limit on the use of emergency stationary RICE in emergency situations.

63.6640(f)(2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for nonemergency situations as allowed by paragraphs (f)(3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

63.6640(f)(2)(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

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63.6640(f)(2)(ii) - (iii) [NA - VACATED AS OF 5/2/16 PER COURT ORDER]

63.6640(f)(3) Emergency stationary RICE located at major sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

63.6640(f)(4) [NA - FACILITY IS MAJOR FOR HAP]

[69 FR page 33506, June 15, 2004, as amended at 71 FR page 20467, Apr. 20, 2006; 73 FR page 3606, Jan. 18, 2008; 75 FR page 9676, Mar. 3, 2010; 75 FR page 51591, Aug. 20, 2010; 78 FR page 6704, Jan. 30, 2013]

**# 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6645]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**What notifications must I submit and when?**

63.6645(a) You must submit all of the notifications in §§ 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply to you by the dates specified if you own or operate any of the following;

63.6645(a)(1) An existing stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions.

63.6645(a)(2) [NA - FACILITY IS MAJOR FOR HAP]

63.6645(a)(3) [NA - ENGINES <500 HP]

63.6645(a)(4) [NA - EXISTING ENGINES]

63.6645(a)(5) This requirement does not apply if you own or operate an existing stationary RICE less than 100 HP, an existing stationary emergency RICE, or an existing stationary RICE that is not subject to any numerical emission standards.

63.6645(b) - (f) [NA - PER (a)(5)]

63.6645(g) [NA - NO TESTING REQUIRED]

63.6645(h) [NA - NO TESTING REQUIRED]

63.6645(i) [NA - FACILITY IS MAJOR FOR HAP]

[73 FR 3606, Jan. 18, 2008, as amended at 75 FR 9677, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6705, Jan. 30, 2013; 85 FR 73912, Nov. 19, 2020]

**# 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6650]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**What reports must I submit and when?**

[NA - EXCEPT FOR FOOTNOTE 1 OF TABLE 2c, FACILITY IS NOT SUBJECT TO ANY REPORTING REQUIREMENTS IN TABLE 7]

**# 019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**What records must I keep?**

63.6655(a) If you must comply with the emission and operating limitations, you must keep the records described in paragraphs (a)(1) through (a)(5), (b)(1) through (b)(3) and (c) of this section.

**SECTION E. Source Group Restrictions.**

63.6655(a)(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 requirement in § 63.10(b)(2)(xiv).

63.6655(a)(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

63.6655(a)(3) [NA - NOT REQUIRED TO CONDUCT PERFORMANCE TESTS]

63.6655(a)(4) Records of all required maintenance performed on the air pollution control and monitoring equipment.

63.6655(a)(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with § 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

63.6655(b) [NA – NOT REQUIRED TO INSTALL CEMS OR CPMS]

63.6655(c) [NA – ENGINES DO NOT COMBUST LANDFILL OR DIGESTER GAS]

63.6655(d) You must keep the records required in Table 6 of this subpart to show continuous compliance with each emission or operating limitation that applies to you.

**TABLE 6 REQUIREMENTS:**

For each:

9. Existing emergency and black start stationary RICE  $\leq$ 500 HP located at a major source of HAP...

Complying with the requirement to ...

a. Work or Management practices

You must demonstrate continuous compliance by ...

i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or

ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

[END OF TABLE 6 REQUIREMENTS]

63.6655(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE;

63.6655(e)(1) An existing stationary RICE with a site rating of less than 100 brake HP located at a major source of HAP emissions.

63.6655(e)(2) An existing stationary emergency RICE.

63.6655(e)(3) [NA - FACILITY IS MAJOR FOR HAP]

63.6655(f) If you own or operate any of the stationary RICE in paragraphs (f)(1) through (2) of this section, you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in § 63.6640(f)(2)(ii) or (iii) or § 63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

63.6655(f)(1) An existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a

**SECTION E. Source Group Restrictions.**

major source of HAP emissions that does not meet the standards applicable to non-emergency engines.

63.6655(f)(2) [NA - FACILITY IS MAJOR FOR HAP]

[69 FR page 33506, June 15, 2004, as amended at 75 FR page 9678, Mar. 3, 2010; 75 FR page 51592, Aug. 20, 2010; 78 FR page 6706, Jan. 30, 2013]

**# 020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

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

63.6660(a) Your records must be in a form suitable and readily available for expeditious review according to § 63.10(b)(1).

63.6660(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.

63.6660(c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1).

[69 FR page 33506, June 15, 2004, as amended at 75 FR page 9678, Mar. 3, 2010]

**# 021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6665]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**What parts of the General Provisions apply to me?**

Table 8 to this subpart shows which parts of the General Provisions in § 63.1 through 63.15 apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with any of the requirements of the General Provisions specified in Table 8: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing stationary RICE that combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, an existing emergency stationary RICE, or an existing limited use stationary RICE. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in the General Provisions specified in Table 8 except for the initial notification requirements: A new stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new emergency stationary RICE, or a new limited use stationary RICE.

[EXCEPT PER 63.6645(a)(5), THE FOLLOWING DO NOT APPLY: 63.7(b) AND (c), 63.8(e), (f)(4) AND (f)(6), AND 63.9(b)-(e), (g) AND (h)]

[75 FR page 9678, Mar. 3, 2010]

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

**SECTION E. Source Group Restrictions.**

Group Name: 008

Group Description: 40 CFR 60, Subpart JJJJ Engine(s)

**Sources included in this group**

ID	Name
302	CUMMINS EMERGENCY GENERATORS

**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 §127.441]****Operating permit terms and conditions.**

Regulatory Changes

Individual sources within this source group that are subject to 40 CFR Part 60 Subpart JJJJ shall comply with all applicable requirements of the Subpart. 40 CFR 63.13(a) requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

Associate Director  
Office of Air Enforcement and Compliance Assistance, 3AP20  
U.S. EPA, Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

The Department copies shall be forwarded to the DEP SCRO Air Quality Program Manager at [wiveaver@pa.gov](mailto:wiveaver@pa.gov), unless otherwise directed in writing by DEP.

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

**SECTION E. Source Group Restrictions.**

**# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4230]  
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines  
Am I subject to this subpart?**

60.4230(a) The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) as specified in paragraphs (a)(1) through (6) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

60.4230(a)(1) - (3) [NA - NOT AN ENGINE MANUFACTURER]

60.4230(a)(4) Owners and operators of stationary SI ICE that commence construction after June 12, 2006, where the stationary SI ICE are manufactured:

60.4230(a)(4)(i) [NA - UNIT(S) < 500 HP]

60.4230(a)(4)(ii) [NA - UNIT(S) < 500 HP]

60.4230(a)(4)(iii) on or after July 1, 2008, for engines with a maximum engine power less than 500 HP; or

60.4230(a)(4)(iv) on or after January 1, 2009, for emergency engines with a maximum engine power greater than 19 KW (25 HP).

60.4230(a)(5) [NA - ENGINE NOT MODIFIED OR RECONSTRUCTED]

60.4230(a)(6) The provisions of § 60.4236 of this subpart are applicable to all owners and operators of stationary SI ICE that commence construction after June 12, 2006.

60.4230(b) [NA - ENGINE TEST CELL NOT RELEVANT HERE]

60.4230(c) If you are an owner or operator of an area source subject to this subpart, you are exempt from the obligation to obtain a permit under 40 CFR part 70 or 40 CFR part 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart as applicable.

60.4230(d) [NA - UNIT NOT GASOLINE-FUELED]

60.4230(e) [NA - NO NATIONAL SECURITY EXEMPTION]

60.4230(f) [NA - NOT TEMPORARY REPLACEMENT UNIT]

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37972 preview citation details, June 28, 2011; 86 FR 34360, June 29, 2021]

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]  
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines  
What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?**

60.4233(a) [NA - UNITS > 25 HP]

60.4233(b) [NA - UNIT(S) DO NOT BURN GASOLINE]

60.4233(c) [NA - UNIT(S) DO NOT BURN LPG]

60.4233(d) Owners and operators of stationary SI ICE with a maximum engine power greater than 19 KW (25 HP) and less than 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards for field testing in 40 CFR 1048.101(c) for their non-emergency stationary SI ICE and with the emission standards in Table 1 to this subpart for their emergency stationary SI ICE. Owners and operators of stationary SI ICE with a maximum engine power greater than 19 KW (25 HP) and less than 75 KW (100 HP) manufactured prior to January 1, 2011, that were certified to the standards in Table 1 to this subpart applicable to engines with a maximum engine power greater than or equal to 100 HP

**SECTION E. Source Group Restrictions.**

and less than 500 HP, may optionally choose to meet those standards.

## TABLE 1 REQUIREMENTS:

Table 1 to Subpart JJJJ of Part 60—NO<sub>x</sub>, CO, and VOC Emission Standards for Stationary Non-Emergency SI Engines =100 HP (Except Gasoline and Rich Burn LPG), Stationary SI Landfill/Digester Gas Engines, and Stationary Emergency Engines >25 HP

Engine type and fuel:

Emergency Maximum engine power: 25 < HP < 130

Manufacture date: 1/1/2009

Emission standards:

NO<sub>x</sub> (g/HP-hr): 10\*

CO (g/HP-hr): 387

\* The emission standards applicable to emergency engines between 25 HP and 130 HP are in terms of NO<sub>x</sub> + HC.

END OF TABLE 1 REQUIREMENTS

60.4233(e) [NA - UNIT < 100 HP]

60.4233(f) [NA - UNIT(S) NOT MODIFIED OR RECONSTRUCTED]

60.4233(g) [NA - STATIONARY WELLHEAD GAS NOT USED]

60.4233(h) Owners and operators of stationary SI ICE that are required to meet standards that reference 40 CFR 1048.101 must, if testing their engines in use, meet the standards in that section applicable to field testing, except as indicated in paragraph (e) of this section.

[Amended at 76 FR page 37973, June 28, 2011]

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4234]  
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines  
How long must I meet the emission standards if I am an owner or operator of a stationary SI internal combustion engine?**

Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in § 60.4233 over the entire life of the engine.

**# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4235]  
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines  
What fuel requirements must I meet if I am an owner or operator of a stationary SI gasoline fired internal combustion engine subject to this subpart?**

[NA - UNIT(S) DO NOT BURN GASOLINE]

**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4236]  
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines  
What is the deadline for importing or installing stationary SI ICE produced in the previous model year?**

60.4236(a) After July 1, 2010, owners and operators may not install stationary SI ICE with a maximum engine power of less than 500 HP that do not meet the applicable requirements in § 60.4233.

60.4236(b) [NA - UNITS < 500 HP]

60.4236(c) For emergency stationary SI ICE with a maximum engine power of greater than 19 KW (25 HP), owners and operators may not install engines that do not meet the applicable requirements in § 60.4233 after January 1, 2011.

60.4236(d) [NA - IMPORTATION NOT RELEVANT IN THIS CASE]

60.4236(e) The requirements of this section do not apply to owners and operators of stationary SI ICE that have been

**SECTION E. Source Group Restrictions.**

modified or reconstructed, and they do not apply to engines that were removed from one existing location and reinstalled at a new location.

[Amended at 76 FR page 37974, June 28, 2011]

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4237]****Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What are the monitoring requirements if I am an owner or operator of an emergency stationary SI internal combustion engine?**

60.4237(a) [NA - UNIT(S) < 500 HP]

60.4237(b) [NA - UNIT(S) < 130 HP]

60.4237(c) If you are an owner or operator of an emergency stationary SI internal combustion engine that is less than 130 HP, was built on or after July 1, 2008, and does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter upon startup of your emergency engine.

**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]****Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?**

60.4243(a) [NA - NOT SUBJECT TO 60.4233(a) THROUGH (c)]

60.4243(b) If you are an owner or operator of a stationary SI internal combustion engine and must comply with the emission standards specified in § 60.4233(d) or (e), you must demonstrate compliance according to one of the methods specified in paragraphs (b)(1) and (2) of this section.

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

60.4243(b)(2) [NA - CERTIFIED ENGINE(S) PURCHASED]

60.4243(c) [NA - UNIT(S) NOT MODIFIED OR RECONSTRUCTED]

60.4243(d) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (d)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (d)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (d)(1) through (3) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

60.4243(d)(1) There is no time limit on the use of emergency stationary ICE in emergency situations.

60.4243(d)(2) You may operate your emergency stationary ICE for any combination of the purposes specified in paragraphs (d)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (d)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (d)(2).

60.4243(d)(2)(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

60.4243(d)(2)(ii) - (iii) [NA - VACATED AS OF 5/2/16 PER COURT ORDER]



**SECTION E. Source Group Restrictions.**

60.4243(d)(3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (d)(2) of this section. Except as provided in paragraph (d)(3)(i) of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

60.4243(d)(3)(i) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

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

60.4243(d)(3)(i)(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

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

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

60.4243(d)(3)(i)(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

60.4243(d)(3)(ii) [Reserved]

60.4243(e) Owners and operators of stationary SI natural gas fired engines may operate their engines using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations, but must keep records of such use. If propane is used for more than 100 hours per year in an engine that is not certified to the emission standards when using propane, the owners and operators are required to conduct a performance test to demonstrate compliance with the emission standards of § 60.4233.

60.4243(f) If you are an owner or operator of a stationary SI internal combustion engine that is less than or equal to 500 HP and you purchase a non-certified engine or you do not operate and maintain your certified stationary SI internal combustion engine and control device according to the manufacturer's written emission-related instructions, you are required to perform initial performance testing as indicated in this section, but you are not required to conduct subsequent performance testing unless the stationary engine undergoes rebuild, major repair or maintenance. Engine rebuilding means to overhaul an engine or to otherwise perform extensive service on the engine (or on a portion of the engine or engine system). For the purpose of this paragraph (f), perform extensive service means to disassemble the engine (or portion of the engine or engine system), inspect and/or replace many of the parts, and reassemble the engine (or portion of the engine or engine system) in such a manner that significantly increases the service life of the resultant engine.

60.4243(g) [NA - CATALYSTS NOT EMPLOYED]

60.4243(h) [NA - UNIT(S) < 500 HP]

60.4243(i) [NA - UNIT(S) NOT MODIFIED OR RECONSTRUCTED]

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37974, June 28, 2011; 78 FR 6697, Jan. 30, 2013; 86 FR 34362, June 29, 2021]

**# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4244]  
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines  
What test methods and other procedures must I use if I am an owner or operator of a stationary SI internal combustion engine?**

**SECTION E. Source Group Restrictions.**

[NA – TESTING NOT REQUIRED FOR CERTIFIED UNITS WHICH ARE NOT ALTERED PER 60.4243(f)]

**# 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary SI internal combustion engine?**

Owners or operators of stationary SI ICE must meet the following notification, reporting and recordkeeping requirements.

60.4245(a) Owners and operators of all stationary SI ICE must keep records of the information in paragraphs (a)(1) through (4) of this section.

60.4245(a)(1) All notifications submitted to comply with this subpart and all documentation supporting any notification.

60.4245(a)(2) Maintenance conducted on the engine.

60.4245(a)(3) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 1048, 1054, and 1060, as applicable.

60.4245(a)(4) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to § 60.4243(a)(2), documentation that the engine meets the emission standards.

60.4245(b) For all stationary SI emergency ICE greater than or equal to 500 HP manufactured on or after July 1, 2010, that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. For all stationary SI emergency ICE greater than or equal to 130 HP and less than 500 HP manufactured on or after July 1, 2011 that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. For all stationary SI emergency ICE greater than 25 HP and less than 130 HP manufactured on or after July 1, 2008, that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

60.4245(c) [NA - UNIT(S) < 500 HP]

60.4245(d) [NA – TESTING NOT REQUIRED FOR CERTIFIED UNITS WHICH ARE NOT ALTERED PER 60.4243(f)]

60.4245(e) [NA - UNIT(S) < 100 HP]

[73 FR 3591, Jan. 18, 2008, as amended at 73 FR 59177, Oct. 8, 2008; 78 FR 6697, Jan. 30, 2013; 81 FR 59809, Aug. 30, 2016; 86 FR 34362, June 29, 2021]

**# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4246]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**What parts of the General Provisions apply to me?**

Table 3 to this subpart shows which parts of the General Provisions in § 60.1 through 60.19 apply to you.

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

**SECTION E. Source Group Restrictions.**

Group Name: 009

Group Description: CAM Affected Sources

Sources included in this group

ID	Name
102	PERLITE EXPANDER 102-11
103	PERLITE EXPANDER 103-11
104	BOARDMILL LINE
503	PERLITE EXPANDER 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.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall use the approved process parameter(s) or indicator(s) to obtain data and monitor the emission control equipment performance.

- (1) Scrubber pressure differential (Control IDs: C104A & C104B)
- (2) Scrubber pressure differential (Control ID: D02)
- (3) Scrubber water flow rate (Control IDs: C104A, C104B & D02)

(b) The permittee shall use the approved means or devices to measure the applicable indicator(s).

- (1) Pressure Drop - pressure gauges or manometers
- (2) Water flow rate – liquid flow meter

(c) The permittee shall use the approved frequency for condition monitoring of indicator(s).

- (1) Scrubber pressure differential – continuously
- (2) Water flow rate – continuously

(d) The permittee shall use the approved period over which discrete data points for approved indicator(s) will be collected for the purpose of determining an excursion.

- (1) Scrubber pressure differential recorded every 5 minutes and averaged over each 2-hour period
- (2) Water flow rate recorded every 5 minutes and averaged over each 2-hour period

[Additional authority for the following Compliance Assurance Monitoring (CAM) permit conditions is derived from 40 CFR Part 64.6]

**IV. RECORDKEEPING REQUIREMENTS.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall maintain records of the following information:

- (1) Pressure differential across each scrubber - continuously
- (2) Flow rate for each scrubber - continuously

(b) The permittee shall record all excursions and corrective actions taken in response to an excursion and the time elapsed until the corrective actions have been taken.

**SECTION E. Source Group Restrictions.**

- (1) An excursion for the scrubber indicator identified in Condition #001(a)(1) shall be defined as a 2-hour average pressure drop below 9.0 inches water.
- (2) An excursion for the scrubber indicator identified in Condition #001(a)(2) shall be defined as a 2-hour average pressure drop below 155 mm water.
- (3) An excursion for the scrubber indicator identified in Condition #001(a)(3) shall be defined as a 2-hour average flow rate outside the range of:

- (i) C104A - 412 to 618 gallons per minute (gpm)
- (ii) C104B – 376 to 565 gpm
- (iii) D02 (total of “wet scrubber water flow” and “wet scrubber fan water flow”) – 110 to 169 gpm

(c) The permittee shall maintain records of all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable). The permittee shall also record the dates, times and durations, possible causes and corrective actions taken for the incidents.

(d) These records shall be maintained on site for the most recent five year period and made available to the Department upon request.

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is also derived from 40 CFR Part 64, Section 64.9 and 40 CFR Part 70, Section 70.6(a)(3)(ii)(B)]

**V. REPORTING REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall report all excursions, corrective actions taken, dates, times, durations, and possible causes of the events to the Department, every six (6) months from the effective date of the permit.
- (b) The permittee shall report all monitoring downtime incidents (other than downtime associated with zero span or other daily calibration checks, if applicable), their dates, times, durations, possible causes, and corrective actions taken, to the Department, every six months from the effective date of the permit.

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is also derived from 40 CFR Part 64, Section 64.9 and 40 CFR Part 70, Section 70.6(a)(3)(iii)(A)]

**VI. WORK PRACTICE REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall use the approved range for each selected indicator in determining the appropriate operation of the sources. A departure from the specified indicator range shall be defined as an excursion.

- (1) Scrubber pressure differential shall be greater than or equal to 9.0 inches water, based on a 2-hour average
- (2) Scrubber pressure differential shall be greater than or equal to 155 mm water, based on a 2-hour average
- (3) Scrubber flow rates, based on a 2-hour average, shall be:

- (i) C104A – between 412 to 618 gallons per minute (gpm)
- (ii) C104B – between 376 to 565 gpm
- (iii) D02 (total of “wet scrubber water flow” and “wet scrubber fan water flow”) – between 110 to 169 gpm

(b) For QA/QC practices, the permittee shall calibrate and check the accuracy of monitoring equipment taking into account the manufacturer's specifications at approved time intervals.

- (1) Scrubber pressure differential gauges shall be calibrated annually
- (2) Scrubber flow rate monitors shall be calibrated annually

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is also derived from 40 CFR Part 64, Sections 64.3 & 64.6]

**SECTION E. Source Group Restrictions.****VII. ADDITIONAL REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall develop and implement a quality improvement plan (QIP) as expeditiously as practicable if any of the following occurs:

(1) Six (6) excursions of any given parameter, for any given source, occur in a six-month period.

(2) The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

(b) The QIP shall be developed within 60 days and the permittee shall provide a copy of the QIP to the Department. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(c) The permittee shall record actions taken to implement a QIP during a reporting period and all related actions including, but not limited to, inspections, repairs and maintenance performed on the monitoring equipment.

(d) In accordance with 40 CFR Section 64.8, the QIP shall include procedures for evaluating the control performance problems. Based on the results of the evaluation procedures, the QIP shall be modified to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

(1) Improved preventive maintenance practices.

(2) Process operation changes.

(3) Appropriate improvements to control methods.

(4) Other steps appropriate to correct performance.

(e) Following implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

(1) Address the cause of the control device performance problem.

(2) Provide adequate procedures for correcting control device performance problems in as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(f) Implementation of a QIP shall not excuse the permittee from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or recordkeeping requirements that apply under any federal, state, or local laws or any other applicable requirements under the Clean Air Act.

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is also derived from 40 CFR Part 64, Sections 64.8 & 64.9]

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

**SECTION E. Source Group Restrictions.**

Group Name: 010

Group Description: §§129.96 - 129.100 - RACT II Requirements

Sources included in this group

ID	Name
104	BOARDMILL LINE

**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 §127.441]****Operating permit terms and conditions.**

(a) The permittee shall maintain an O&M Plan for the boardmill burners. The permittee shall maintain records of any maintenance or modifications performed on the boardmill burners.

(b) The permittee shall maintain written documentation of the current O&M Plan for the boardmill burners and any maintenance or modifications performed on the boardmill burners for five years. The records shall be made available to the Department upon written request pursuant to 25 Pa. Code §129.100(d) and (i).

Note: The above conditions shall supersede the SIP-ed RACT I requirements for this facility, upon approval by EPA as a SIP revision.

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

**SECTION E. Source Group Restrictions.**

Group Name: 011

Group Description: §§129.91 - 129.95 - RACT I Requirements

Sources included in this group

ID	Name
104	BOARDMILL LINE
250	PIF LINE
251	PRIME & INTERMEDIATE LINE
485	PHOENIX LINE
486	EDGE TRIM & END TRIM SAWS(SOUNDSOAK)
504	TILE FINISHING LINE

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

From RACT OP 36-2001

(5) All air pollution sources and air pollution control devices shall be operated and maintained in accordance with good pollution control practices that minimize the emissions of NO<sub>x</sub> & VOC.

(6) An annual report as per Section 129.95 containing, but not limited to, the following data for each fuel-burning unit covered by this RACT plan shall be submitted to the Lancaster District Supervisor:

- a. Identification of each source
- b. Hours of operation per quarter for each source
- c. Fuel combusted per quarter for each source
- d. Pounds of NO<sub>x</sub> emitted per quarter for each source

(7) An annual report containing, but not limited to, the following data for each surface coating shall be submitted to the Lancaster District Supervisor:

- a. Identification of each coating
- b. Coating quantity
- c. Lbs of VOC per gallon of coating (minus water)
- d. Solvent density
- e. % solvents by volume (minus EPA-exempted solvents)
- f. % solids by volume
- g. % water by volume
- h. Gallons per quarter of coating used (including water)
- i. Lbs per year of VOC emissions from surface coating

The reports required under Conditions 6 and 7 above for each January 1st through December 31st period are due no later than March 1st of the following year for each year authorized by the operating permit or its renewal.

**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).

**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).

**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.**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Condition 001 will be removed from the SIP in the event that EPA approves such removal as a SIP action.

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



**SECTION E. Source Group Restrictions.**

Group Name: 012

Group Description: 40 CFR Part 63, Subpart CCCCCC Requirements

**Sources included in this group**

ID	Name
700	275 GAL GASOLINE STORAGE TANK

**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 §127.441]****Operating permit terms and conditions.**

Regulatory Changes

Individual sources within this source group that are subject to 40 CFR Part 63 Subpart CCCCCC shall comply with all applicable requirements of the Subpart. 40 CFR 63.13(a) requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

Associate Director  
Office of Air Enforcement and Compliance Assistance, 3AP20  
U.S. EPA, Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

The Department copies shall be forwarded to the DEP SCRO Air Quality Program Manager at wiweaver@pa.gov, unless otherwise directed in writing by DEP.

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

**SECTION E. Source Group Restrictions.****# 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11111]****Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities****Am I subject to the requirements in this subpart?**

63.11111(a) The affected source to which this subpart applies is each GDF that is located at an area source. The affected source includes each gasoline cargo tank during the delivery of product to a GDF and also includes each storage tank.

63.11111(b) If your GDF has a monthly throughput of less than 10,000 gallons of gasoline, you must comply with the requirements in § 63.11116.

63.11111(c) [NA - MONTHLY THRUPUT < 10,000 GALLONS]

63.11111(d) [NA - MONTHLY THRUPUT < 10,000 GALLONS]

63.11111(e) An affected source shall, upon request by the Administrator, demonstrate that their monthly throughput is less than the 10,000-gallon or the 100,000-gallon threshold level, as applicable. For new or reconstructed affected sources, as specified in § 63.11112(b) and (c), recordkeeping to document monthly throughput must begin upon startup of the affected source. For existing sources, as specified in § 63.11112(d), recordkeeping to document monthly throughput must begin on January 10, 2008. For existing sources that are subject to this subpart only because they load gasoline into fuel tanks other than those in motor vehicles, as defined in § 63.11132, recordkeeping to document monthly throughput must begin on January 24, 2011. Records required under this paragraph shall be kept for a period of 5 years.

63.11111(f) If you are an owner or operator of affected sources, as defined in paragraph (a) of this section, you are not required to obtain a permit under 40 CFR part 70 or 40 CFR part 71 as a result of being subject to this subpart. However, you must still apply for and obtain a permit under 40 CFR part 70 or 40 CFR part 71 if you meet one or more of the applicability criteria found in 40 CFR 70.3(a) and (b) or 40 CFR 71.3(a) and (b).

63.11111(g) [NA - THIS FACILITY DOES NOT DISPENSE AVIATION GASOLINE]

63.11111(h) Monthly throughput is the total volume of gasoline loaded into, or dispensed from, all the gasoline storage tanks located at a single affected GDF. If an area source has two or more GDF at separate locations within the area source, each GDF is treated as a separate affected source.

63.11111(i) If your affected source's throughput ever exceeds an applicable throughput threshold, the affected source will remain subject to the requirements for sources above the threshold, even if the affected source throughput later falls below the applicable throughput threshold.

63.11111(j) The dispensing of gasoline from a fixed gasoline storage tank at a GDF into a portable gasoline tank for the on-site delivery and subsequent dispensing of the gasoline into the fuel tank of a motor vehicle or other gasoline-fueled engine or equipment used within the area source is only subject to § 63.11116 of this subpart.

63.11111(k) [NA - OTHER FEDERAL RULE NOT APPLICABLE]

[Amended at 76 FR page 4181, Jan. 24, 2011]

**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11112]****Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities****What parts of my affected source does this subpart cover?**

63.11112(a) The emission sources to which this subpart applies are gasoline storage tanks and associated equipment components in vapor or liquid gasoline service at new, reconstructed, or existing GDF that meet the criteria specified in § 63.11111. Pressure/Vacuum vents on gasoline storage tanks and the equipment necessary to unload product from cargo tanks into the storage tanks at GDF are covered emission sources. The equipment used for the refueling of motor vehicles is not covered by this subpart.

63.11112(b) [NA - SOURCE(S) ARE EXISTING]

63.11112(c) [NA - SOURCE(S) ARE EXISTING]

**SECTION E. Source Group Restrictions.**

63.11112(d) An affected source is an existing affected source if it is not new or reconstructed.

**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11113]**

**Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities**

**When do I have to comply with this subpart?**

63.11113(a) [NA - SOURCE(S) ARE EXISTING]

63.11113(b) If you have an existing affected source, you must comply with the standards in this subpart no later than January 10, 2011.

63.11113(c) If you have an existing affected source that becomes subject to the control requirements in this subpart because of an increase in the monthly throughput, as specified in § 63.11111(c) or § 63.11111(d), you must comply with the standards in this subpart no later than 3 years after the affected source becomes subject to the control requirements in this subpart.

63.11113(d) [NA - SOURCE(S) ARE EXISTING]

63.11113(e) [NA - MONTHLY THRUPUT < 10,000 GALLONS]

63.11113(f) [NA - NOT SUBJECT TO SUBPART ONLY BECAUSE OF LOADING GASOLINE INTO FUEL TANKS OTHER THAN THOSE IN MOTOR VEHICLES]

[73 FR page 1945, Jan. 10, 2008, as amended at 73 FR page 35944, June 25, 2008; 76 FR page 4181, Jan. 24, 2011]

**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11115]**

**Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities**

**What are my general duties to minimize emissions?**

Each owner or operator of an affected source under this subpart must comply with the requirements of paragraphs (a) and (b) of this section.

63.11115(a) You must, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

63.11115(b) You must keep applicable records and submit reports as specified in § 63.11125(d) and § 63.11126(b).

[76 FR page 4182, Jan. 24, 2011]

**# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11116]**

**Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities**

**Requirements for facilities with monthly throughput of less than 10,000 gallons of gasoline.**

63.11116(a) You must not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:

63.11116(a)(1) Minimize gasoline spills;

63.11116(a)(2) Clean up spills as expeditiously as practicable;

63.11116(a)(3) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use;

63.11116(a)(4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

**SECTION E. Source Group Restrictions.**

63.11116(b) You are not required to submit notifications or reports as specified in § 63.11125, § 63.11126, or subpart A of this part, but you must have records available within 24 hours of a request by the Administrator to document your gasoline throughput.

63.11116(c) You must comply with the requirements of this subpart by the applicable dates specified in § 63.11113.

63.11116(d) Portable gasoline containers that meet the requirements of 40 CFR part 59, subpart F, are considered acceptable for compliance with paragraph (a)(3) of this section.

[Amended at 76 FR page 4182, Jan. 24, 2011]

**# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11117]  
Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities  
Requirements for facilities with monthly throughput of 10,000 gallons of gasoline or more.**

[NA - MONTHLY THRUPUT < 10,000 GALLONS]

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11118]  
Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities  
Requirements for facilities with monthly throughput of 100,000 gallons of gasoline or more.**

[NA - MONTHLY THRUPUT < 10,000 GALLONS]

**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11120]  
Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities  
What testing and monitoring requirements must I meet?**

63.11120(a) [NA - MONTHLY THRUPUT < 10,000 GALLONS]

63.11120(b) [NA - MONTHLY THRUPUT < 10,000 GALLONS: TABLE 1 DOES NOT APPLY]

63.11120(c) [NA - PERFORMANCE TESTING NOT REQUIRED]

63.11120(d) [NA - MONTHLY THRUPUT < 10,000 GALLONS: TABLE 2 DOES NOT APPLY]

[73 FR 1945, Jan. 10, 2008, as amended at 76 FR 4182, Jan. 24, 2011]

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11124]  
Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities  
What notifications must I submit and when?**

[NA - MONTHLY THRUPUT < 10,000 GALLONS]

**# 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11125]  
Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities  
What are my recordkeeping requirements?**

63.11125(a) - (b) [NA - MONTHLY THRUPUT < 10,000 GALLONS]

63.11125(c) [NA - MONTHLY THRUPUT < 10,000 GALLONS: TABLE 2 DOES NOT APPLY]

63.11125(d) Each owner or operator of an affected source under this subpart shall keep records as specified in paragraphs (d)(1) and (2) of this section.

63.11125(d)(1) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

63.11125(d)(2) Records of actions taken during periods of malfunction to minimize emissions in accordance with § 63.11115(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

[76 FR page 4183, Jan. 24, 2011]

**SECTION E. Source Group Restrictions.**

**# 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11126]**

**Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities**

**What are my reporting requirements?**

[NA - PER 63.11116(b): MONTHLY THRUPUT < 10,000 GALLONS]

**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11130]**

**Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities**

**What parts of the General Provisions apply to me?**

Table 3 to this subpart shows which parts of the General Provisions apply to you.

**\*\*\* 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.**

#001

This permit supersedes Title V Operating Permit No. 36-05001, issued on 12/30/16 and amended on 11/26/19.

#002

NOTE: All of the capacity/throughput values listed in Sections A and D are for informational purposes only and are not operating limits unless stated so in conditions in Section D or Section E.

#003

For clarity, here is a list of sources, their control devices and their stacks:

ID #	SOURCE DESCRIPTION	CONTROL	CONTROL DESCRIPTION	STACK
032	Boardmill Boiler			S032
102	Perlite Expander 102-11*	D02	Ducon Scrubber	S02
NOTE: Air from Source 102 goes through Cyclone C02, then through Scrubber D02.				
103	Perlite Expander 103-11*	D02	Ducon Scrubber	S02
NOTE: Air from Source 103 goes through Cyclone C03, then through Scrubber D02.				
104	Boardmill Line:			
104	Coe Dryer	C104A	"A" Emtrol Scrubber	S104A
104	Coe Dryer	C104B	"B" Emtrol Scrubber	S104B
104	Dry Saw	C104E	Baghouse #28 Stayclean	S104E
104	Kraft Pulper			S104F
104	Additive Tanks	C104G	#10 Scrubber	S104G
104	Dry Saw	C104H	Baghouse #41	S104H
104	Dry Saw	C104I	Baghouse #42	S104I
104	Baghouse 41 & 42 Dust Convey	C104J	Receiver Baghouse #43	S104J
116	Small Natural Gas Space Heaters (109 total, 940 average Btu/hr)			Z16
130	No. 3 Tenoner	C130	Baghouse 30	S130
131	Dust Silo 31	C130	Baghouse 30	S130
204	No. 1 Equalizer 204-3	D04	Baghouse #26 Flex-Kleen	T14
210	No. 3 Equalizer	D04	Baghouse #26 Flex-Kleen	T14
250	PIF Line:			
250	PIF Prime Booth	C250A	PIF Prime Water Curtain	S250A
250	PIF Sander	D01	Baghouse #4 Flex-Kleen	S01
250	PIF Intermediate Booth	C250B	PIF Intermediate Water Curtain	S250B
250	PIF Finish Booth	C250C	PIF Finish Water Curtain	S250C
250	PIF Press	D05	Baghouse #27	inside
251	Prime & Intermediate Line:			
251	P&I Prime Booth			
251	P&I Intermediate Booth	C251B	Water Curtain Exhaust	S251B
251	P&I Sander	C251C	50,000 cfm baghouse #39	S251C
251	P&I Press	C251D	50,000 cfm baghouse #38	S251D
251	P&I	C251E	850 cfm #40-receiver BH	S251E
301	Emergency Generators			S301
485	Phoenix Line:			
485	Booth #1	C485A	Waterwash Filters	S485A
485	Booth #2	C485B	Waterwash Filters	S485B
485	Booth #3	C485C	Waterwash Filters	S485C
485	Booth #4	C485D	Waterwash Filters	S485D
486	Edge Trim & End Trim Saws	C86	Staclean Fabric Filter (Bldg 3)	S86
501	Paint Mixing Operation	C501	Venturi Scrubber	S501
503	Perlite Expander #3	D02	Ducon Scrubber	S02
NOTE: Air from Source 503 goes through Cyclone C503, then through Scrubber D02.				
504	Tile Finishing Line	C504B	Baghouse #5 Flex-Kleen	S504B
504	Tile Finishing Line	C504C	(4) 6,000 acfm cyclones	S504C
504	Tile Finishing Line	C504D	7,063 cfm tile vac. stack. feeder	S504D
510	New Finishing Line Size/Finish	C510A & B	(2) 50,000 cfm baghouses	S510A & B
511	New Finishing Line 3 Spray Booths	C511A, B, C	each by (4) 3,500 cfm cyclones	S511A, B, C
512	New Finishing Line Dryer			S512A & B
513	New Finishing Line Dust Transfer	C513	7,500 cfm bin vent filter	Z513



**SECTION H. Miscellaneous.**

#004

Source ID 250, PIF Line, consists of the following equipment:

- (1) A feeder, sander, rotary fissure, and press controlled by the No. 4 Baghouse (Control ID D01)
- (2) An air knife
- (3) A roll coater and linoflame
- (4) Prime Paint booth controlled by a water curtain (Control ID C250A)
- (5) A 24.0 mmBtu/hr prime dryer fired on natural gas
- (6) A conveyor hood
- (7) A feeder controlled by a multicyclone baghouse which is recirculated and vented inside
- (8) A Super Saw (No.3 Equalizer) controlled by the No. 29 baghouse (Control ID D05)
- (9) Intermediate Paint booth controlled by a water curtain (Control ID C250B)
- (10) An intermediate dryer
- (11) An equalizer controlled by Control ID C250B
- (12) Finish Paint booth controlled by a water curtain (Control ID C250C)
- (13) A finish dryer
- (14) A cooler

#005

Source ID 301, Emergency Generators, consists of the following engines:

- Two 30.1 hP natural gas fired emergency generators. The units were installed in 1969.

#006

Source ID 302, Cummins Emergency Generators, consists of the following engines:

- Three 40 hP Cummins C22 N6 natural gas fired emergency generators. The units were installed via 2/2/16, 6/5/17 & 8/6/18 RFDs.

#007

Source ID 504, Tile Finishing Line, consists of the following equipment:

- (1) The No.4 equalizer & tenoner, both controlled by a baghouse (Control ID C504B),
- (2) A 24,000 acfm Venjakob spray booth controlled by a four (4) 6,000 acfm cyclones (Control ID C504C),
- (3) A 15.75 mmBtu/hr natural gas dryer, and
- (4) A cooler using atmospheric air.
- (5) A vacuum stacker feeder controlled by a baghouse (Control ID C504D)

#008

The following sources and activities are not subject to any specific work practice standards, testing, monitoring, recordkeeping or reporting requirements:

- (1) Air conditioning and ventilation systems
- (2) Office equipment (copiers, printers, FAX, etc.)
- (3) Janitorial activities
- (4) Plant maintenance (painting, welding, paving, cleaning, etc.)
- (5) Mobile sources (trucks, forklifts, snowblowers, etc.)
- (6) Storage tanks: diesel fuel, kerosene, sodium hypochlorite, phosphoric acid, ammonia (<20% ammonia in solution), waste oil
- (7) Electrically heated equipment which does not produce air contaminants
- (8) Cafeteria equipment
- (9) P&I Line Roll Coaters and Spatter Rig
- (10) Phoenix Line Roll Coaters
- (11) Sound Soak Embosser
- (12) Sound Soak Laminator
- (13) Artran Silo
- (14) PIF Line Roll Coater
- (15) #3 FPL Bevel Paint
- (16) Paint Mixing and associated tanks
- (17) Phoenix Line handfeed station and fabric filter
- (18) Perlite silo and bin vent filter
- (19) Perlite bucket elevator and fabric filter
- (20) Kraft pulper
- (21) Boardmill additives tank and scrubber
- (22) Recycled dust silo and fabric filter

**SECTION H. Miscellaneous.**

- (23) No. 2 equalizer baghouse
- (24) Starch silo and bin vent filter
- (25) Boardmill mat stacker
- (26) Parts washers with caustic solvent



\*\*\*\*\* End of Report \*\*\*\*\*

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