



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: August 26, 2024

Effective Date: September 1, 2024

Expiration Date: August 31, 2029

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: 28-05012

Federal Tax Id - Plant Code: 38-2496821-1

Owner Information

Name: VOLVO CONST EQUIP NORTH AMER LLC
Mailing Address: 312 VOLVO WAY
SHIPPENSBURG, PA 17257-9209

Plant Information

Plant: VOLVO CONST EQUIP NORTH AMER LLC/SHIPPENSBURG
Location: 28 Franklin County 28804 Shippensburg Borough
SIC Code: 3531 Manufacturing - Construction Machinery

Responsible Official

Name: CASAGRANDI GUSTAVO
Title: V.P. GENERAL MGR. OPE.
Phone: (717) 218 - 4450 Email: Gustavo.casagrandi@volvo.com

Permit Contact Person

Name: PHILIP WIEGAND
Title: HEAD OF SAFETY & ENV.
Phone: (717) 265 - 5548 Email: philip.wiegand@volvo.com

[Signature] _____
WILLIAMR. WEAVER, SOUTHCENTRAL REGION AIR PROGRAMMANAGER



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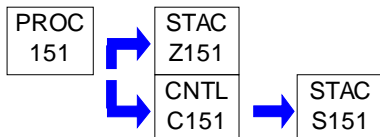
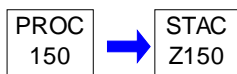
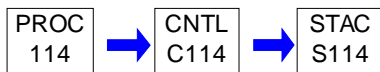
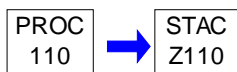
Section H. Miscellaneous

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
110	DEGREASERS	0.100 Lbs/HR	VOC
111	PANGBORN DRUM CELL	40.000 Lbs/HR	SHOTBLAST MEDIA
114	SHOTBLAST	80.000 Lbs/HR	SHOTBLAST MEDIA
150	MACHINING OPERATIONS	N/A	
151	WELDING OPERATIONS	0.280 TH LBS/HR	
199	CLEANUP / MISCELLANEOUS SOLVENTS	1.000 Lbs/HR	
201	OVERHEAD POWER & FREE LINE - PRIME SPRAY PAINT BOOTH	56.250 Lbs/HR	COATINGS
203	OVERHEAD POWER & FREE LINE - TOPCOAT SPRAY PAINT BOOTH	56.250 Lbs/HR	COATINGS
204	TOW LINE SPRAY PAINT BOOTH	56.250 Lbs/HR	COATINGS
211	WASH BAY TOUCH-UP PAINTING	1.000 Lbs/HR	COATINGS
220	NEW SHOTBLAST BOOTH	80.000 Lbs/HR	SHOTBLAST MEDIA
301	EMERGENCY ENGINE 89 HP POST 1/1/09 (KOHLER 50REZG)	0.700 MMBTU/HR	
		0.690 MCF/HR	Natural Gas
303	EMERGENCY ENGINE NO. 1 228 HP POST 6/12/06 (KOHLER 150 RZGB)	1.790 MMBTU/HR	
		1.760 MCF/HR	Natural Gas
305	EMERGENCY FIRE PUMP ENGINE 260 HP 1/4/10 (CLARKE JU6H-UF84)	1.820 MMBTU/HR	
		13.280 Gal/HR	Diesel Fuel
306	EMERGENCY ENGINE NO. 4 162 HP 5/2011 (KOHLER 100 EZGD)	1.270 MMBTU/HR	
		1.250 MCF/HR	Natural Gas
307	EMERGENCY FIRE PUMP ENGINE 99 HP 2017 (CLARKE JU4H-UFADJ2)	0.690 MMBTU/HR	
		5.100 Gal/HR	Diesel Fuel
308	EMERGENCY ENGINE NO. 5 10 HP 2017 (GENERAC G006998-0)	0.080 MMBTU/HR	
		0.080 MCF/HR	Natural Gas
401	PAINT LINE NATURAL GAS-FIRED PROCESSES	46.860 MMBTU/HR	
		45.940 MCF/HR	Natural Gas
C111	SOURCE 111 DRY PANEL FILTERS/CARTRIDGE FILTER		
C114	SHOTBLAST DUST COLLECTOR		
C151	SOURCE ID 151 CARTRIDGE COLLECTOR		
C201	SOURCE 201 DRY PANEL FILTERS		
C203	SOURCE 203 DRY PANEL FILTERS		
C204	SOURCE 204 DRY PANEL FILTERS		
C220A	SOURCE 220 CARTRIDGE COLLECTOR (CAMFIL-FARR)		
FML02	NO. 2 FUEL OIL/DIESEL FUEL OIL TANK		
FML25	NATURAL GAS PIPELINE		
S111	SOURCE 111 STACK		
S114	SHOTBLAST STACK		
S151	SOURCE C151 STACK		
S201A	SOURCE 201 STACK		
S201B	SOURCE 201 STACK		

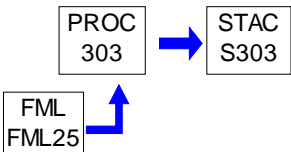
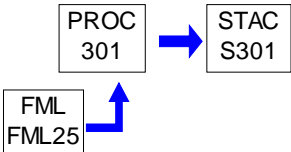
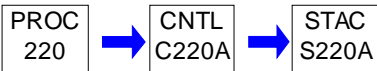
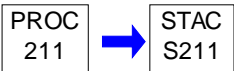
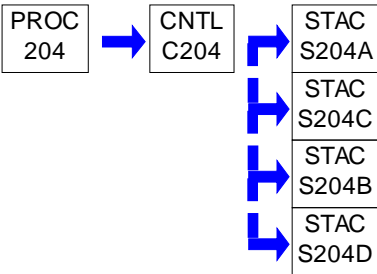
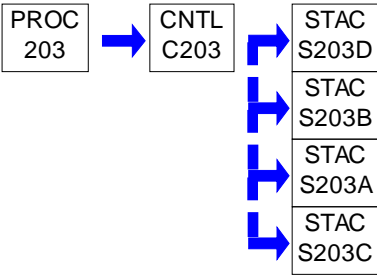
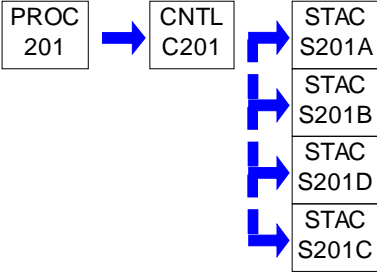
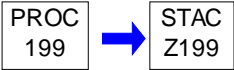
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S201C	SOURCE 201 STACK		
S201D	SOURCE 201 STACK		
S203A	SOURCE 203 STACK		
S203B	SOURCE 203 STACK		
S203C	SOURCE 203 STACK		
S203D	SOURCE 203 STACK		
S204A	SOURCE 204 STACK		
S204B	SOURCE 204 STACK		
S204C	SOURCE 204 STACK		
S204D	SOURCE 204 STACK		
S211	WASH BAY TOUCH-UP PAINTING STACKS		
S220A	SOURCE C220A STACK		
S301	SOURCE 301 STACK		
S303	SOURCE 303 STACK		
S305	SOURCE 305 STACK		
S306	SOURCE 306 STACK		
S307	SOURCE 307 STACK		
S308	SOURCE 308 STACK		
S401	SOURCE 401 STACKS		
Z110	SOURCE 110 FUGITIVE EMISSIONS		
Z150	SOURCE 150 FUGITIVE EMISSIONS		
Z151	SOURCE 151 FUGITIVE EMISSIONS		
Z199	SOURCE 199 FUGITIVE EMISSIONS		

PERMIT MAPS

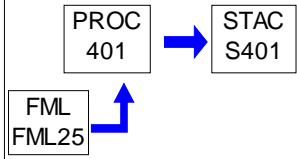
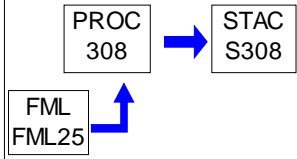
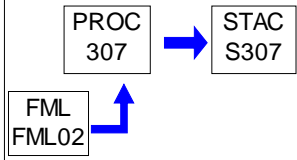
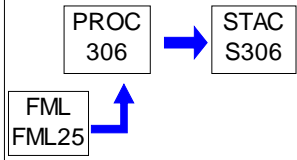
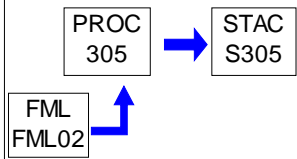


PERMIT MAPS





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_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

(3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.

(4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

(5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

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

(1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.

(2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.

**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

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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 (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, PA 19103-2852

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.

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(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**

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

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

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

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

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

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

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

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

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

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

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

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

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

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05012A]

The permittee shall limit the facility's annual VOC emissions to no greater than 67.92 tons during any consecutive 12-month period.

[This facility annual VOC emission limit supersedes and replaces the facility annual VOC emission limit of 60 tons during any consecutive 12-month period memorialized in Operating Permit No. 28-318-002 and previous versions of this Title V operating permit]

007 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

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

- (a) 10 tons per year of any individual hazardous air pollutant (HAP)
- (b) 25 tons per year total of combined HAPs

008 [25 Pa. Code §129.14]**Open burning operations**

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

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

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

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

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

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

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

**SECTION C. Site Level Requirements**

air emissions.

010 [25 Pa. Code §139.1]**Sampling facilities.**

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

011 [25 Pa. Code §139.11]**General requirements.**

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

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

(1) A thorough source description, including a description of any air cleaning devices and the flue.

(2) Process conditions, for example, the paint usage rate, drying/curing oven temperature, and other conditions which may affect emissions from the process.

(3) The location of the sampling ports.

(4) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage CO, CO₂, O₂, and N₂), static and barometric pressures.

(5) Sample collection techniques employed, including procedures used, equipment descriptions, and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.

(6) Laboratory procedures and results.

(7) Calculated results.

III. MONITORING REQUIREMENTS.**# 012 [25 Pa. Code §123.43]****Measuring techniques**

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

(a) A device approved by the Department and maintained to provide accurate opacity measurements (e.g., Continuous Opacity Monitor).

(b) Observers trained and certified in EPA Reference Method 9 to measure plume opacity with the naked eye; or with the aid of any device(s) approved by the Department.

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

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

(a) The presence of visible emissions as stated in Section C, Condition #004. Visible emissions may be measured

**SECTION C. Site Level Requirements**

according to the methods specified in Section C, Condition #011. Alternately, plant personnel who observe visible emissions may report the incidence of visible emissions to the Department within two (2) hours of the incident and make arrangements for a certified observer to measure the visible emissions.

(b) The presence of fugitive particulate matter emissions beyond the plant property boundaries, as stated in Section C, Condition #002.

(c) The presence of malodorous air contaminants beyond the plant property boundaries, as stated in Section C, Condition #003.

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

(a) The permittee shall calculate the monthly air emissions from the facility using AP-42 emission factors, manufacturer-supplied emission factors, material balance, performance (stack) test data, CEMS data, or other method(s) acceptable to the Department.

(b) The permittee shall calculate the cumulative facility VOC emissions for each consecutive 12-month period.

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

(a) The permittee shall maintain records of the monthly air emissions referenced in Section C, Condition #013(a).

(b) The permittee shall maintain records of the cumulative facility VOC emissions for each consecutive 12-month period as referenced in Section C, Condition #013(b). This is necessary to demonstrate compliance with Section C, Condition #006.

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

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

Unless otherwise noted, all records required by this and subsequent operating permits shall be maintained for the most recent five-year period and shall be made readily available to the Department upon its request. The most recent two (2) years of records must be retained at the facility. The remaining three (3) years of records may be retained at the facility or may be retained off-site. The records may be retained on paper, microfilm, microfiche or computer disks. If the records are retained on computer disks, the records must be in commonly available software. Commonly available software is usually compatible with a Microsoft application such as Word or Excel.

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

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

(1) The name of the company representative monitoring each inspection.

(2) The date and time of each inspection.

(3) The wind direction during each inspection.

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

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

**SECTION C. Site Level Requirements****# 018 [25 Pa. Code §129.77.]****Control of emissions from the use or application of adhesives, sealants, primers and solvents.**

The facility wide use of or application of adhesives, sealants, primers and associated solvents are subject to the following recordkeeping requirements contained in sections (o)-(q) and annual usage limit contained in section (m), except those compounds, products, or operations identified in sections (k) and (l) below.

(k) This section does not apply to the use or application of the following compounds or products:

(1) Adhesives, sealants, adhesive primers or sealant primers being tested or evaluated in a research and development, quality assurance or analytical laboratory, if records are maintained as required in subsections (p) and (q).

(2) Adhesives, sealants, adhesive primers or sealant primers that are subject to other sections in this chapter or Chapter 130 (relating to standards for products).

(3) Adhesives and sealants that contain less than 20 grams of VOC per liter of adhesive or sealant, less water and less exempt compounds, as applied.

(4) Cyanoacrylate adhesives.

(5) Adhesives, sealants, adhesive primers or sealant primers that are sold or supplied by the manufacturer or supplier in containers with a net volume of 16 fluid ounces or less, or a net weight of 1 pound or less, except plastic cement welding adhesives and contact adhesives.

(6) Contact adhesives that are sold or supplied by the manufacturer or supplier in containers with a net volume of 1 gallon or less.

(l) This section does not apply to the use of adhesives, sealants, adhesive primers, sealant primers, surface preparation solvents or cleanup solvents in the following operations:

(1) Tire repair operations, if the label of the adhesive states, "For tire repair only."

(2) The assembly, repair and manufacture of aerospace components or undersea-based weapons systems.

(3) The manufacture of medical equipment.

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

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

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

(o) Except as provided in subsection (p), each owner or operator subject to this section shall maintain records demonstrating compliance with this section, including the following information:

(1) A list of each adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent and cleanup solvent

**SECTION C. Site Level Requirements**

product in use and in storage.

(2) A data sheet or material list which provides the product name, manufacturer identification and use or material application for each product included on the list required under paragraph (1).

(3) The VOC content of each product on the list required under paragraph (1), as supplied.

(4) Catalysts, reducers or other components used and the mix ratio.

(5) The VOC content or vapor pressure of each product on the list required by paragraph (1), as applied, if solvent or other VOC is added to the product before application.

(6) The volume purchased or produced of each product on the list required under paragraph (1).

(7) The monthly volume used or applied as part of a manufacturing process at the facility of each product on the list required under paragraph (1).

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

(1) The product name.

(2) The product category of the material or type of application.

(3) The VOC content of the material.

(q) Records made to determine compliance with this section shall be:

(1) Maintained onsite for 5 years from the date the record is created.

(2) Made available to the Department upon receipt of a written request.

V. REPORTING REQUIREMENTS.**# 019 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

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

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

(1) The notice shall describe the following:

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

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

**SECTION C. Site Level Requirements**

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

(c) Malfunctions shall be, unless otherwise approved by the Department, reported to the Department digitally to the Greenport PUP system. The public submission link to include in the permit is below.

<https://greenport.pa.gov/ePermitPublicAccess/PublicSubmission/ValidatePublicSubmission>

Telephone reports shall be made to the Department's Air Quality Program at 814.946.7290 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>.

020 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

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

VI. WORK PRACTICE REQUIREMENTS.**# 021 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

(a) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.

(b) Application of asphalt, oil, water, or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.

(c) Paving and maintenance of roadways.

(d) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

022 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

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

VII. ADDITIONAL REQUIREMENTS.

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

VIII. COMPLIANCE CERTIFICATION.

The permittee shall submit within thirty days of 01/31/2025 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #026 of section B of this permit, and annually thereafter.

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

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

**SECTION D. Source Level Requirements**

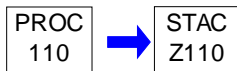
Source ID: 110

Source Name: DEGREASERS

Source Capacity/Throughput:

0.100 Lbs/HR

VOC

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

(a) The permittee may not use in each Source ID 110 machine any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

(b) Paragraph (a) above does not apply:

(1) If any Source ID 110 machine is used in extreme cleaning service. Extreme cleaning service is defined as the use of a cold cleaning machine to clean parts used in the manufacture of the following gases or to clean parts exposed to these gases in manufacturing, production, research and development, analytical work, or other similar operations:

- (A) Oxygen in concentrations greater than 23%
- (B) Ozone
- (C) Nitrous oxide
- (D) Fluorine
- (E) Chlorine
- (F) Bromine
- (G) Halogenated compounds

(2) If the permittee demonstrates, and the Department approves in writing, that compliance with this operating permit condition will result in unsafe operating conditions.

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.**# 002 [25 Pa. Code §129.63]****Degreasing operations**

(a) The permittee shall maintain the following records for each Source ID 110 machine:

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

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 condition.

**SECTION D. Source Level Requirements**

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 003 [25 Pa. Code §129.63]****Degreasing operations**

Each Source ID 110 machine shall have a permanent, conspicuous label summarizing the operating requirements in Condition #004, below. 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 Source ID 110 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.

004 [25 Pa. Code §129.63]**Degreasing operations**

The permittee shall operate each Source ID 110 machine in accordance with the following procedures:

- (a) 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.
- (b) Flushing of parts using a flexible hose or other flushing device shall be performed only within the Source ID 110 machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.
- (c) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in any Source ID 110 machine.
- (d) Air-agitated solvent baths may not be used.
- (e) Spills during solvent transfer and use of each Source ID 110 machine shall be cleaned up immediately.

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

Each Source ID 110 machine shall be equipped with one of the following:

- (a) A cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent, or
- (b) A perforated drain with a diameter of not more than six (6) inches, if the Source ID 201 machine drains directly into the solvent storage reservoir.

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

All of the aforementioned operating permit conditions apply to any Source ID 110 machine using 2 gallons or more of

**SECTION D. Source Level Requirements**

solvents containing greater than 5% VOC by weight for the cleaning of metal parts.

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

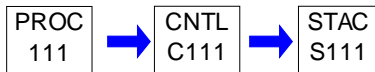
**SECTION D. Source Level Requirements**

Source ID: 111

Source Name: PANGBORN DRUM CELL

Source Capacity/Throughput: 40.000 Lbs/HR SHOTBLAST MEDIA

Conditions for this source occur in the following groups: 001
003
009

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

**# 001 [25 Pa. Code §123.13]
Processes**

Particulate matter emissions from Source ID 111's exhaust shall not exceed 0.04 grain per dry standard cubic foot.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 114

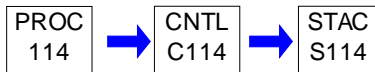
Source Name: SHOTBLAST

Source Capacity/Throughput:

80.000 Lbs/HR

SHOTBLAST MEDIA

Conditions for this source occur in the following groups: 002
003

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

001 [25 Pa. Code §123.13]

Processes

Particulate matter emissions from Source ID 114's exhaust shall not exceed 0.04 grain per dry standard cubic foot.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

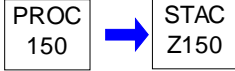
Source ID: 150

Source Name: MACHINING OPERATIONS

Source Capacity/Throughput:

N/A

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**

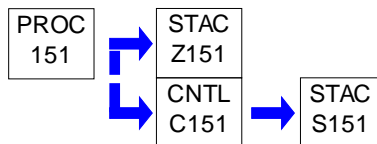
Source ID: 151

Source Name: WELDING OPERATIONS

Source Capacity/Throughput:

0.280 TH LBS/HR

Conditions for this source occur in the following groups: 003

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

001 [25 Pa. Code §123.13]

Processes

Particulate matter emissions from Source ID 151's cartridge collector exhaust shall not exceed 0.04 grain per dry standard cubic foot.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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



SECTION D. Source Level Requirements

Source ID: 199 Source Name: CLEANUP / MISCELLANEOUS SOLVENTS
Source Capacity/Throughput: 1.000 Lbs/HR

Conditions for this source occur in the following groups: 001
009
010



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.512]
Operating permit terms and conditions.
 [Additional authority for this permit condition is also derived from Plan Approval No. 28-05012A]
 The permittee shall limit Source ID 199's annual VOC emissions to no greater than 9.00 tons during any consecutive 12-month 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.

002 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.
 [Additional authority for this permit condition is also derived from Plan Approval No. 28-05012A]
 (a) The permittee shall calculate monthly VOC emissions from Source ID 199 using AP-42 emission factors, stack test data, manufacturer-supplied emission factors, material balance, or other method(s) acceptable to the Department.
 (b) The permittee shall calculate the cumulative Source ID 199 VOC emissions for the previous 12 months on a monthly basis in order to demonstrate compliance with Condition #001, above.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.
 [Additional authority for this permit condition is also derived from Plan Approval No. 28-05012A]
 (a) The permittee shall maintain records of Source ID 199's monthly VOC emissions referenced in Condition #002(a), above.
 (b) The permittee shall maintain records of the cumulative Source ID 199 VOC emissions for the previous 12 months on a monthly basis as referenced in Condition #002(b), above. This is necessary to demonstrate compliance with Condition #001, above.
 (c) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.



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: 201

Source Name: OVERHEAD POWER & FREE LINE - PRIME SPRAY PAINT BOOTH

Source Capacity/Throughput:

56.250 Lbs/HR

COATINGS

Conditions for this source occur in the following groups: 001
003
008
009

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

Source ID: 203

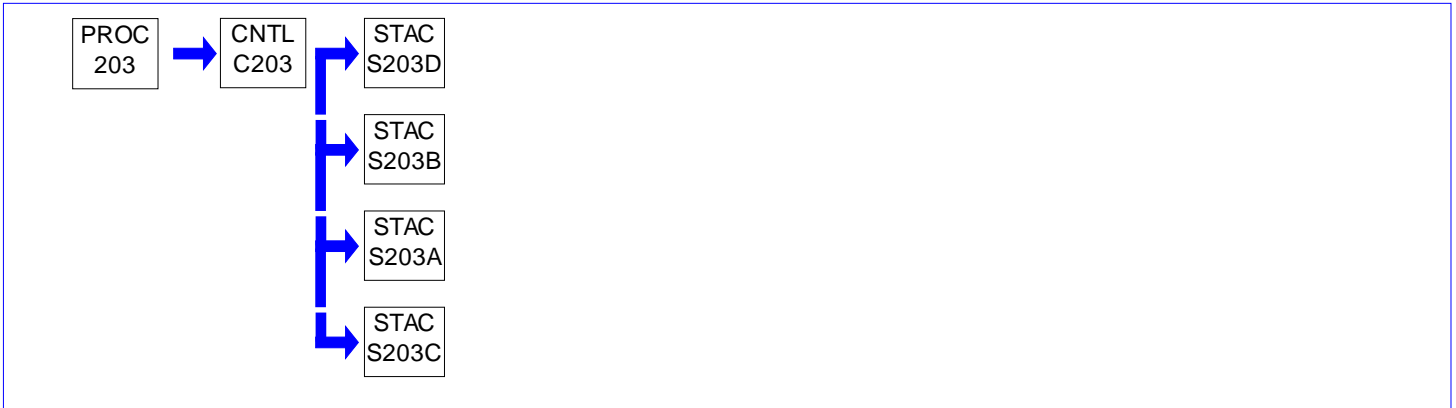
Source Name: OVERHEAD POWER & FREE LINE - TOPCOAT SPRAY PAINT BOOTH

Source Capacity/Throughput:

56.250 Lbs/HR

COATINGS

Conditions for this source occur in the following groups: 001
003
008
009

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

Source ID: 204

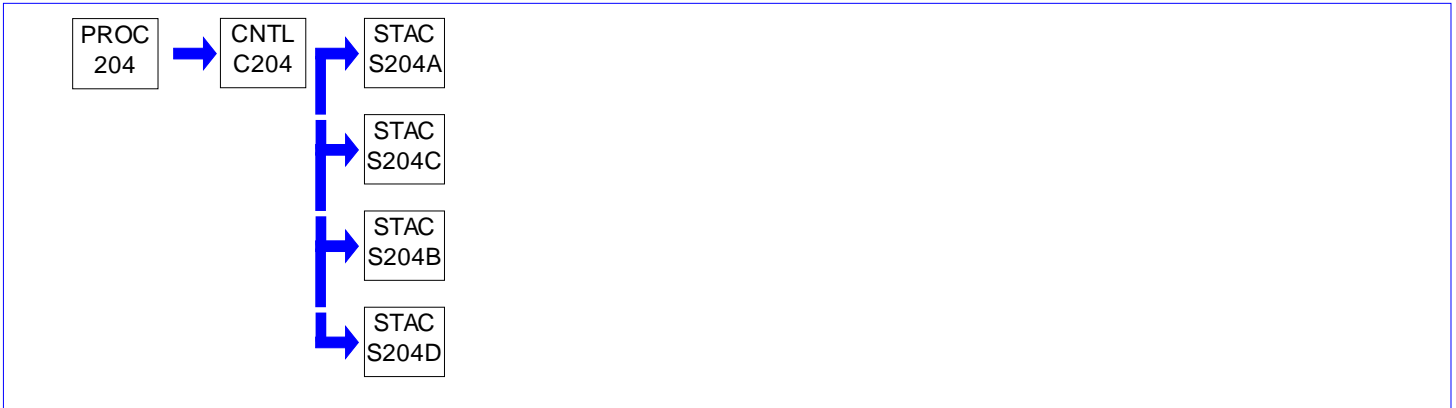
Source Name: TOW LINE SPRAY PAINT BOOTH

Source Capacity/Throughput:

56.250 Lbs/HR

COATINGS

Conditions for this source occur in the following groups: 001
003
008
009

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

Source ID: 211

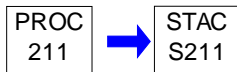
Source Name: WASH BAY TOUCH-UP PAINTING

Source Capacity/Throughput:

1.000 Lbs/HR

COATINGS

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****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.**# 004 [25 Pa. Code §127.1]****Purpose.**

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05012A]

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Section 127.1, the permittee shall maintain on-site a sufficient quantity of spare cartridge collector cartridges for Source ID 220's cartridge collector in order to immediately replace any cartridges requiring replacement due to deterioration resulting from routine operation.

005 [25 Pa. Code §127.1]**Purpose.**

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05012A]

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Section 127.1, Source ID 220's cartridge collector's compressed air supply shall be equipped with an air dryer and an oil trap.

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**

(stack) test data, manufacturer-supplied emission factors, material balance, or other method(s) acceptable to the Department.

(b) The permittee shall calculate the cumulative Source ID 301 VOC emissions for the previous 12 months on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05012A]

(a) The permittee shall maintain records of Source ID 301's monthly VOC emissions referenced in Condition #004(a), above.

(b) The permittee shall maintain records of the cumulative Source ID 301 VOC emissions for the previous 12 months on a monthly basis as referenced in Condition #004(b), above. This is necessary to demonstrate compliance with Condition #002, above.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

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

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

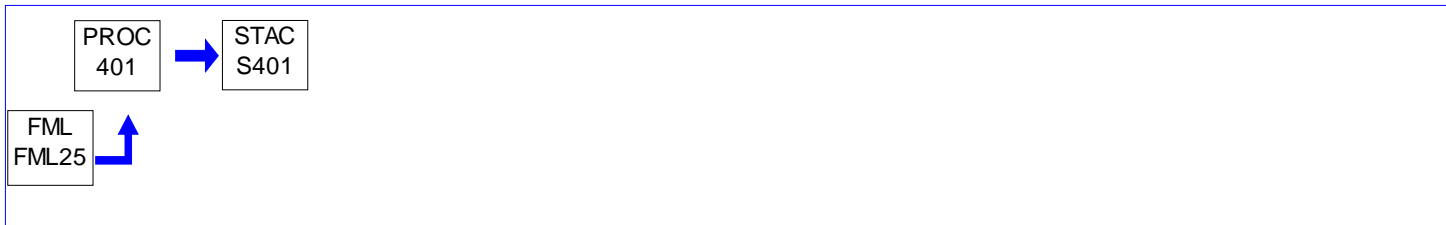
**SECTION D. Source Level Requirements**

Source ID: 401

Source Name: PAINT LINE NATURAL GAS-FIRED PROCESSES

Source Capacity/Throughput: 46.860 MMBTU/HR
45.940 MCF/HR Natural Gas

Conditions for this source occur in the following groups: 011

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.21]****General**

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05012A]

The concentration of sulfur oxides (SO_x), expressed as sulfur dioxide (SO₂), in each Source ID 401 process's effluent gas shall not exceed 500 parts per million, by volume (dry basis).

002 [25 Pa. Code §127.1]**Purpose.**

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05012A]

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 (PM) from Source ID 401 in a manner that the concentration of filterable/condensable PM in the effluent gas exceeds 0.02 grain per dry standard cubic foot.

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

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

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05012A]

The permittee shall limit Source ID 401's annual VOC emissions to no greater than 1.25 tons during any consecutive 12-month period.

Fuel Restriction(s).**# 004 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05012A]

The permittee shall operate each Source ID 401 process using natural gas only.

II. TESTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.****# 005 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05012A]

(a) The permittee shall calculate monthly VOC emissions from Source ID 401 using AP-42 emission factors, stack test data, manufacturer-supplied emission factors, material balance, or other method(s) acceptable to the Department.

(b) The permittee shall calculate the cumulative Source ID 401 VOC emissions for the previous 12 months on a monthly basis in order to demonstrate compliance with Condition #003, above.

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

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05012A]

(a) The permittee shall maintain records of Source ID 401's monthly VOC emissions referenced in Condition #005(a), above.

(b) The permittee shall maintain records of the cumulative Source ID 401 VOC emissions for the previous 12 months on a monthly basis as referenced in Condition #005(b), above. This is necessary to demonstrate compliance with Condition #003, above.

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

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 E. Source Group Restrictions.**

Group Name: 001

Group Description: SURFACE COATING OPERATIONS

Sources included in this group

ID	Name
111	PANGBORN DRUM CELL
199	CLEANUP / MISCELLANEOUS SOLVENTS
201	OVERHEAD POWER & FREE LINE - PRIME SPRAY PAINT BOOTH
203	OVERHEAD POWER & FREE LINE - TOPCOAT SPRAY PAINT BOOTH
204	TOW LINE SPRAY PAINT BOOTH
211	WASH BAY TOUCH-UP PAINTING

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 §129.52]****Surface coating processes**

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05012A]

(a) Pursuant to 25 Pa. Code Section 129.52(c), the permittee shall maintain daily records of the following for each Group 001 spray paint booth:

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

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

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

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

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

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

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05012A]

(a) The permittee shall include the following information for each coating, thinner and other component(s) applied at the Group 001 spray paint booths in the annual air emissions report referenced in Section C, Condition #019(a):

(1) Name and identification number

(2) The VOC content of the coating, thinner and other component(s) as supplied (pounds VOC per gallon of coating solids,

**SECTION E. Source Group Restrictions.**

minus water and exempt VOCs)

(3) The VOC content of the as applied surface coating (pounds VOC per gallon of coating solids, minus water and exempt VOCs)

(4) Coating density (pounds per gallon, at 25°C)

(5) Percent total volatiles (by weight)

(6) Percent water (by weight)

(7) Percent solids (by volume and weight)

(8) Percent exempt VOC(s) (by weight)

(9) Percent VOCs (by weight)

(10) Mix ratio for the as applied surface coating

(11) Percent hazardous air pollutant(s) [HAP(s)] (by weight and by type)

(12) Gallons per month used

(13) Pounds per month of VOC emissions

(14) Pounds per month of HAP(s) emissions (by type)

(15) Tons total per each month's consecutive 12-month period of VOC emissions

(16) Tons total per each month's consecutive 12-month period of HAP(s) emissions (by type)

The permittee shall also include the type and amount (gallons per month) of VOC/HAP-containing cleanup solvent(s) collectively used in conjunction with the operation of the Group 001 sources (i.e. cleaning activities and wash-off operations), as well as the resultant monthly VOC and HAP(s) emissions. Note: This includes the Source ID 199 information.

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

(b) The total days and approximate hours of operation for the Group 001 sources shall also be included in the annual report.

(c) The permittee shall provide the following information for waste coatings, solvents, or mixtures sent off-site for recycling or disposal in order to obtain credit for VOC and HAP(s) emissions reporting for parts (a)(13) and (a)(14), respectively, above:

(1) Pounds or gallons per month of waste coatings, solvents, or mixtures shipped from the facility

(2) Waste profile or sampling data for a representative shipment (conducted a minimum of once each calendar year)

(3) Identification of the waste disposal company for each shipment

(d) The permittee shall include each new surface coating in the annual report and indicate that it is a new surface coating used during the reporting year.

VI. WORK PRACTICE REQUIREMENTS.

003 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05012A]

The permittee shall not allow the operation of any Group 001 spray paint booth unless it is equipped with dry panel filter(s) for particulate matter (PM) control.

[This represents a Best Available Technology (BAT) work practice standard for Source IDs 201, 203 and 204 pursuant to the BAT provisions of 25 Pa. Code Section 127.1]

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: SHOTBLAST BOOTHS

Sources included in this group

ID	Name
114	SHOTBLAST
220	NEW SHOTBLAST BOOTH

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

The Department reserves the right to require exhaust stack testing of the Group 002 shot blast booths as necessary during the operating permit term to verify emissions for purposes including emission fees, malfunctions or operating permit condition compliance.

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

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05012A]

The permittee shall operate and maintain instrumentation to continuously measure and display the pressure differential across each Group 002 cartridge collector.

[This represents a Best Available Technology (BAT) monitoring requirement for Source ID 220 pursuant to the BAT provisions of 25 Pa. Code Section 127.1]

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

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05012A]

(a) The permittee shall monitor and record the pressure differential across each Group 002 cartridge collector. The pressure differential shall be recorded a minimum of once per week while each Group 002 source and its respective cartridge collector are operating.

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

004 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05012A]

(a) The permittee shall maintain detailed records of all maintenance performed on each Group 002 cartridge collector.

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

V. REPORTING REQUIREMENTS.

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



SECTION E. Source Group Restrictions.

VI. WORK PRACTICE REQUIREMENTS.

005 [25 Pa. Code §127.512]
Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05012A]

The permittee shall operate and maintain each Group 002 cartridge collector in accordance with the manufacturer's specifications.

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

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05012A]

The permittee shall operate each cartridge collector at all times that its respective Group 002 source is operating.

[This represents a Best Available Technology (BAT) work practice standard for Source ID 220 pursuant to the BAT provisions of 25 Pa. Code Section 127.1]

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: SOURCES SUBJECT TO MACT SUBPART XXXXXX

Sources included in this group

ID	Name
111	PANGBORN DRUM CELL
114	SHOTBLAST
150	MACHINING OPERATIONS
151	WELDING OPERATIONS
201	OVERHEAD POWER & FREE LINE - PRIME SPRAY PAINT BOOTH
203	OVERHEAD POWER & FREE LINE - TOPCOAT SPRAY PAINT BOOTH
204	TOW LINE SPRAY PAINT BOOTH
220	NEW SHOTBLAST BOOTH

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 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11517]****Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories****What are my monitoring requirements?**

(a) Visual determination of fugitive emissions, general. Visual determination of fugitive emissions must be performed according to the procedures of EPA Method 22 of 40 CFR Part 60, Appendix A-7. You must conduct the EPA Method 22 test while the affected source is operating under normal conditions. The duration of each EPA Method 22 test must be at least 15 minutes, and visible emissions will be considered to be present if they are detected for more than six minutes of the fifteen minute period.

(b) Visual determination of fugitive emissions, graduated schedule. Visual determinations of fugitive emissions must be performed in accordance with 40 CFR §63.11517(a), above, and according to the schedule in 40 CFR §63.11517(b)(1) through (4), below.

(1) Daily Method 22 Testing. Perform visual determination of fugitive emissions once per day, on each day the process is in operation, during operation of the process.

(2) Weekly Method 22 Testing. If no visible fugitive emissions are detected in consecutive daily EPA Method 22 tests performed in accordance with 40 CFR §63.11517(b)(1), above, for 10 days of work day operation of the process, you may decrease the frequency of EPA Method 22 testing to once every five days of operation of the process (one calendar week). If visible fugitive emissions are detected during these tests, you must resume EPA Method 22 testing of that operation once per day during each day that the process is in operation in accordance with 40 CFR §63.11517(b)(1), above.

(3) Monthly Method 22 Testing. If no visible fugitive emissions are detected in four consecutive weekly EPA Method 22 tests performed in accordance with 40 CFR §63.11517(b)(2), above, you may decrease the frequency of EPA Method 22 testing to once per 21 days of operation of the process (one calendar month). If visible fugitive emissions are detected during these tests, you must resume weekly EPA Method 22 testing in accordance with 40 CFR §63.11517(b)(2), above.

(4) Quarterly Method 22 Testing. If no visible fugitive emissions are detected in three consecutive monthly EPA Method 22 tests performed in accordance with 40 CFR §63.11517(b)(3), above, you may decrease the frequency of EPA Method 22 testing to once per 60 days of operation of the process (3 calendar months). If visible fugitive emissions are detected during these tests, you must resume monthly EPA Method 22 testing in accordance with 40 CFR §63.11517(b)(3), above.

**SECTION E. Source Group Restrictions.**

(c) Visual determination of emissions opacity for welding Tier 2 or 3, general. Visual determination of emissions opacity must be performed in accordance with the procedures of EPA Method 9 of 40 CFR Part 60, Appendix A-4, and while the affected source is operating under normal conditions. The duration of the EPA Method 9 test shall be thirty minutes.

(d) Visual determination of emissions opacity for welding Tier 2 or 3, graduated schedule. You must perform visual determination of emissions opacity in accordance with 40 CFR §63.11517(c), above, and according to the schedule in 40 CFR §63.11517(d)(1) through (5), below.

(1) Daily Method 9 testing for welding, Tier 2 or 3. Perform visual determination of emissions opacity once per day during each day that the process is in operation.

(2) Weekly Method 9 testing for welding, Tier 2 or 3. If the average of the six minute opacities recorded during any of the daily consecutive EPA Method 9 tests performed in accordance with 40 CFR §63.11517(d)(1), above, does not exceed 20 percent for 10 days of operation of the process, you may decrease the frequency of EPA Method 9 testing to once per five days of consecutive work day operation. If opacity greater than 20 percent is detected during any of these tests, you must resume testing every day of operation of the process according to the requirements of 40 CFR §63.11517(d)(1), above.

(3) Monthly Method 9 testing for welding Tier 2 or 3. If the average of the six minute opacities recorded during any of the consecutive weekly EPA Method 9 tests performed in accordance with 40 CFR §63.11517(d)(2), above, does not exceed 20 percent for four consecutive weekly tests, you may decrease the frequency of EPA Method 9 testing to once per every 21 days of operation of the process. If visible emissions opacity greater than 20 percent is detected during any monthly test, you must resume testing every five days of operation of the process according to the requirements of 40 CFR §63.11517(d)(2), above.

(4) Quarterly Method 9 testing for welding Tier 2 or 3. If the average of the six minute opacities recorded during any of the consecutive monthly EPA Method 9 tests performed in accordance with 40 CFR §63.11517(d)(3), above, does not exceed 20 percent for three consecutive monthly tests, you may decrease the frequency of EPA Method 9 testing to once per every 120 days of operation of the process. If visible emissions opacity greater than 20 percent is detected during any quarterly test, you must resume testing every 21 days (month) of operation of the process according to the requirements of 40 CFR §63.11517(d)(3), above.

(5) Return to Method 22 testing for welding, Tier 2 or 3. If, after two consecutive months of testing, the average of the six minute opacities recorded during any of the monthly EPA Method 9 tests performed in accordance with 40 CFR §63.11517(d)(3), above, does not exceed 20 percent, you may resume EPA Method 22 testing as in 40 CFR §63.11517(b)(3) and (4), above. In lieu of this, you may elect to continue performing EPA Method 9 tests in accordance with 40 CFR §63.11517(d)(3) and (4), above.

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.

002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11519]

Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories

What are my notification, recordkeeping, and reporting requirements?

(a) What notifications must I submit?

(1) Initial notification. If you are the owner or operator of an area source in one of the nine metal fabrication and finishing source categories as defined in 40 CFR §63.11514, you must submit the initial notification required by 40 CFR §63.9(b) for a new affected source no later than 120 days after initial startup, or November 20, 2008, whichever is later. For an existing affected source, you must submit the initial notification no later than July 25, 2011.

[NOTE: THE PERMITTEE SUBMITTED THE INITIAL NOTIFICATION TO U.S. EPA AND THE DEPARTMENT VIA A LETTER DATED OCTOBER 12, 2010.]

**SECTION E. Source Group Restrictions.**

(2) Notification of compliance status. If you are the owner or operator of an existing affected source, you must submit a notification of compliance status on or before November 22, 2011. If you are the owner or operator of a new affected source, you must submit a notification of compliance status within 120 days after initial startup, or by November 20, 2008, whichever is later.

[NOTE: THE PERMITTEE SUBMITTED THE NOTIFICATION OF COMPLIANCE STATUS TO U.S. EPA AND THE DEPARTMENT VIA A LETTER DATED NOVEMBER 21, 2011.]

(b) What reports must I prepare or submit?

(1) Annual certification and compliance reports. You must prepare and submit annual certification and compliance reports for each affected source according to the requirements of 40 CFR §63.11519(b)(2) through (7), below. The annual certification and compliance reporting requirements may be satisfied by reports required under other parts of the Clean Air Act (CAA) as specified in 40 CFR §63.11519(b)(3), below.

(2) Dates. Unless the Administrator has approved or agreed to a different schedule for submission of reports under 40 CFR §63.10(a), "General Provisions," you must prepare and submit each annual certification and compliance report according to the dates specified in 40 CFR §63.11519(b)(2)(i) through (iii), below. Note that the information reported for each of the months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.

(i) The first annual certification and compliance report must cover the first annual reporting period which begins the day after the compliance date and ends on December 31.

(ii) Each subsequent annual certification and compliance report must cover the subsequent annual reporting period from January 1 through December 31.

(iii) Each annual certification and compliance report must be prepared and submitted no later than January 31 and kept in a readily accessible location for inspector review. If an exceedance has occurred during the year, each annual certification and compliance report must be submitted along with the exceedance reports and postmarked or delivered no later than January 31.

(3) Alternate dates. For each affected source that is subject to permitting regulations pursuant to 40 CFR Part 70 or 40 CFR Part 71, "Title V."

(i) If the permitting authority has established dates for submitting annual reports pursuant to 40 CFR §70.6(a)(3)(iii)(A) or 40 CFR §71.6(a)(3)(iii)(A), "Title V," you may prepare or submit, if required, the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the date specified in 40 CFR §63.11519(b)(2)(iii), above.

(ii) If an affected source prepares or submits an annual certification and compliance report pursuant to 40 CFR §63.11519(b) along with, or as part of, the monitoring report required by 40 CFR §70.6(a)(3)(iii)(A) or 40 CFR §71.6(a)(3)(iii)(A), "Title V," and the compliance report includes all required information concerning exceedances of any limitation in 40 CFR Part 63, Subpart XXXXXX, its submission will be deemed to satisfy any obligation to report the same exceedances in the annual monitoring report. However, submission of an annual certification and compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.

(4) General requirements. The annual certification and compliance report must contain the information specified in 40 CFR §63.11519(b)(4)(i) through (iii), below, and the information specified in 40 CFR §63.11519(b)(5) through (7), below, that is applicable to each affected source.

(i) Company name and address;

(ii) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report; and

**SECTION E. Source Group Restrictions.**

(iii) Date of report and beginning and ending dates of the reporting period. The reporting period is the 12-month period ending on December 31. Note that the information reported for the 12 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.

(5) Visual determination of fugitive emissions requirements. The annual certification and compliance report must contain the information specified in 40 CFR §63.11519(b)(5)(i) through (iii), below, for each affected source which performs visual determination of fugitive emissions in accordance with 40 CFR §63.11517(a), "Monitoring requirements."

- (i) The date of every visual determination of fugitive emissions which resulted in detection of visible emissions;
- (ii) A description of the corrective actions taken subsequent to the test; and
- (iii) The date and results of the follow-up visual determination of fugitive emissions performed after the corrective actions.

(6) Visual determination of emissions opacity requirements. The annual certification and compliance report must contain the information specified in 40 CFR §63.11519(b)(6)(i) through (iii), below, for each affected source which performs visual determination of emissions opacity in accordance with 40 CFR §63.11517(c), "Monitoring requirements."

- (i) The date of every visual determination of emissions opacity;
- (ii) The average of the six-minute opacities measured by the test; and
- (iii) A description of any corrective action taken subsequent to the test.

(7) [Reserved]

(8) Exceedences of 20 percent opacity for welding affected sources. As required by 40 CFR §63.11516(f)(7)(i), "Requirements for opacities exceeding 20 percent," you must prepare an exceedence report whenever the average of the six-minute average opacities recorded during a visual determination of emissions opacity exceeds 20 percent. This report must be submitted along with your annual certification and compliance report according to the requirements in 40 CFR §63.11519(b)(1), above, and must contain the information in 40 CFR §63.11519(b)(8)(A) and (B), below.

- (A) The date on which the exceedence occurred; and
- (B) The average of the six-minute average opacities recorded during the visual determination of emissions opacity.

(9) Site-specific Welding Emissions Management Plan reporting. You must submit a copy of the records of daily visual determinations of emissions recorded in accordance with 40 CFR §63.11516(f)(7)(iv), "Tier 3 requirements for opacities exceeding 20 percent," and a copy of your Site-Specific Welding Emissions Management Plan and any subsequent revisions to the plan pursuant to 40 CFR §63.11516(f)(8), "Site-specific Welding Emission Management Plan," along with your annual certification and compliance report, according to the requirements in 40 CFR §63.11519(b)(1), above.

(c) What records must I keep? You must collect and keep records of the data and information specified in 40 CFR §63.11519(c)(1) through (14), below, according to the requirements in 40 CFR §63.11519(c)(15), below.

(1) General compliance and applicability records. Maintain information specified in 40 CFR §63.11519(c)(1)(i) through (ii), below, for each affected source.

(i) Each notification and report that you submitted to comply with 40 CFR Part 63, Subpart XXXXXX, and the documentation supporting each notification and report.

(ii) Records of the applicability determinations as in 40 CFR §63.11514(b)(1) through (5), "Am I subject to this subpart," listing equipment included in its affected source, as well as any changes to that and on what date they occurred, must be maintained for 5 years and be made available for inspector review at any time.

(2) Visual determination of fugitive emissions records. Maintain a record of the information specified in 40 CFR §63.11519(c)(2)(i) through (iii), below, for each affected source which performs visual determination of fugitive emissions in

**SECTION E. Source Group Restrictions.**

accordance with 40 CFR §63.11517(a), "Monitoring requirements."

- (i) The date and results of every visual determination of fugitive emissions;
- (ii) A description of any corrective action taken subsequent to the test; and
- (iii) The date and results of any follow-up visual determination of fugitive emissions performed after the corrective actions.

(3) Visual determination of emissions opacity records. Maintain a record of the information specified in 40 CFR §63.11519(c)(3)(i) through (iii), below, for each affected source which performs visual determination of emissions opacity in accordance with 40 CFR §63.11517(c), "Monitoring requirements."

- (i) The date of every visual determination of emissions opacity; and
- (ii) The average of the six-minute opacities measured by the test; and
- (iii) A description of any corrective action taken subsequent to the test.

(4) Maintain a record of the manufacturer's specifications for the control devices used to comply with 40 CFR §63.11516, "What are my standards and management practices?"

(5) Spraypaint booth filter records. Maintain a record of the filter efficiency demonstrations and spraypaint booth filter maintenance activities performed in accordance with 40 CFR §63.11516(d)(1)(ii) and (iii), "Requirements for spray painting objects in spray booths or spray rooms."

(6) Waterspray booth or water curtain efficiency tests. Maintain a record of the water curtain efficiency demonstrations performed in accordance with 40 CFR §63.11516(d)(1)(ii), "Requirements for spray painting objects in spray booths or spray rooms."

(7) HVLP or other high transfer efficiency spray delivery system documentation records. Maintain documentation of HVLP or other high transfer efficiency spray paint delivery systems in compliance with 40 CFR §63.11516(d)(3), "Requirements for spray painting of all objects." This documentation must include the manufacturer's specifications for the equipment and any manufacturer's operation instructions. If you have obtained written approval for an alternative spray application system in accordance with 40 CFR §63.11516(d)(2), "Spray painting of all objects," you must maintain a record of that approval along with documentation of the demonstration of equivalency.

(8) HVLP or other high transfer efficiency spray delivery system employee training documentation records. Maintain certification that each worker performing spray painting operations has completed the training specified in 40 CFR §63.11516(d)(6), "Requirements for spray painting of all objects," with the date the initial training and the most recent refresher training was completed.

(9)-(10) [Reserved]

(11) Visual determination of emissions opacity performed during the preparation (or revision) of the Site-Specific Welding Emissions Management Plan. You must maintain a record of each visual determination of emissions opacity performed during the preparation (or revision) of a Site-Specific Welding Emissions Management Plan in accordance with 40 CFR §63.11516(f)(7)(iii), "Requirements for opacities exceeding 20 percent."

(12) Site-Specific Welding Emissions Management Plan. If you have been required to prepare a plan in accordance with 40 CFR §63.11516(f)(7)(iii), "Site-Specific Welding Emissions Management Plan," you must maintain a copy of your current Site-Specific Welding Emissions Management Plan in your records and it must be readily available for inspector review.

(13) Manufacturer's instructions. If you comply with 40 CFR Part 63, Subpart XXXXXX, by operating any equipment according to manufacturer's instructions, you must keep these instructions readily available for inspector review.

(14) Welding Rod usage. If you operate a new or existing welding affected source which is not required to comply with the requirements of 40 CFR §63.11516(f)(3) through (8) because it uses less than 2,000 pounds per year of welding rod (on a

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rolling 12-month basis), you must maintain records demonstrating your welding rod usage on a rolling 12-month basis.

(15) Your records must be maintained according to the requirements in 40 CFR §63.11519(c)(15)(i) through (iii), below.

(i) Your records must be in a form suitable and readily available for expeditious review according to 40 CFR §63.10(b)(1), "General Provisions." Where appropriate, the records may be maintained as electronic spreadsheets or as a database.

(ii) As specified in 40 CFR §63.10(b)(1), "General Provisions," you must keep each record for 5 years following the date of each occurrence, measurement, corrective action, report, or record.

(iii) You must keep each record on-site for at least 2 years after the date of each occurrence, measurement, corrective action, report, or record according to 40 CFR §63.10(b)(1), "General Provisions." You may keep the records off-site for the remaining 3 years.

[72 FR 73207, Dec. 26, 2007, as amended at 85 FR 73921, Nov. 19, 2020]

VI. WORK PRACTICE REQUIREMENTS.**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11516]****Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories****What are my standards and management practices?**

(a) Dry abrasive blasting standards. If you own or operate a new or existing dry abrasive blasting affected source, you must comply with the requirements in 40 CFR §63.11516(a)(1) through (3), below, as applicable, for each dry abrasive blasting operation that uses materials that contain MFHAP, as defined in 40 CFR §63.11522, "What definitions apply to this subpart?", or has the potential to emit MFHAP. These requirements do not apply when abrasive blasting operations are being performed that do not use any materials containing MFHAP or do not have the potential to emit MFHAP.

(1) Standards for dry abrasive blasting of objects performed in totally enclosed and unvented blast chambers. If you own or operate a new or existing dry abrasive blasting affected source which consists of an abrasive blasting chamber that is totally enclosed and unvented, as defined in 40 CFR §63.11522, "What definitions apply to this subpart?", you must implement management practices to minimize emissions of MFHAP. These management practices are the practices specified in 40 CFR §63.11516(a)(1)(i) and (ii), below.

(i) You must minimize dust generation during emptying of abrasive blasting enclosures; and

(ii) You must operate all equipment associated with dry abrasive blasting operations according to the manufacturer's instructions.

(2) Standards for dry abrasive blasting of objects performed in vented enclosures. If you own or operate a new or existing dry abrasive blasting affected source which consists of a dry abrasive blasting operation which has a vent allowing any air or blast material to escape, you must comply with the requirements in 40 CFR §63.11516(a)(2)(i) and (ii), below. Dry abrasive blasting operations for which the items to be blasted exceed 8 feet (2.4 meters) in any dimension may be performed subject to the requirements in 40 CFR §63.11516(a)(3), below.

(i) You must capture emissions and vent them to a filtration control device. You must operate the filtration control device according to manufacturer's instructions, and you must demonstrate compliance with this requirement by maintaining a record of the manufacturer's specifications for the filtration control devices, as specified by the requirements in § 63.11519(c)(4), "What are my notification, recordkeeping, and reporting requirements?"

(ii) You must implement the management practices to minimize emissions of MFHAP as specified in 40 CFR §63.11516(a)(2)(ii)(A) through (C), below.

(A) You must take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable; and

(B) You must enclose dusty abrasive material storage areas and holding bins, seal chutes and conveyors that transport abrasive materials; and

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(C) You must operate all equipment associated with dry abrasive blasting operations according to manufacturer's instructions.

(3) Standards for dry abrasive blasting of objects greater than 8 feet (2.4 meters) in any one dimension. If you own or operate a new or existing dry abrasive blasting affected source which consists of a dry abrasive blasting operation which is performed on objects greater than 8 feet (2.4 meters) in any one dimension, you may implement management practices to minimize emissions of MFHAP as specified in 40 CFR §63.11516(a)(3)(i), below, instead of the practices required by 40 CFR §63.11516(a)(2), above. You must demonstrate that management practices are being implemented by complying with the requirements in 40 CFR §63.11516(a)(3)(ii) through (iv), below.

(i) Management practices for dry abrasive blasting of objects greater than 8 feet (2.4 meters) in any one dimension are specified in 40 CFR §63.11516(a)(3)(i)(A) through (E), below.

(A) You must take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable; and

(B) You must enclose abrasive material storage areas and holding bins, seal chutes and conveyors that transport abrasive material; and

(C) You must operate all equipment associated with dry abrasive blasting operations according to manufacturer's instructions; and

(D) You must not re-use dry abrasive blasting media unless contaminants (i.e., any material other than the base metal, such as paint residue) have been removed by filtration or screening, and the abrasive material conforms to its original size; and

(E) Whenever practicable, you must switch from high particulate matter (PM)-emitting blast media (e.g., sand) to low PM-emitting blast media (e.g., crushed glass, specular hematite, steel shot, aluminum oxide), where PM is a surrogate for MFHAP.

(ii) You must perform visual determinations of fugitive emissions, as specified in 40 CFR §63.11517(b), "What are my monitoring requirements?", according to 40 CFR §63.11516(a)(3)(ii)(A) or (B), below, as applicable.

(A) For abrasive blasting of objects greater than 8 feet (2.4 meters) in any one dimension that is performed outdoors, you must perform visual determinations of fugitive emissions at the fenceline or property border nearest to the outdoor dry abrasive blasting operation.

(B) For abrasive blasting of objects greater than 8 feet (2.4 meters) in any one dimension that is performed indoors, you must perform visual determinations of fugitive emissions at the primary vent, stack, exit, or opening from the building containing the abrasive blasting operations.

(iii) You must keep a record of all visual determinations of fugitive emissions along with any corrective action taken in accordance with the requirements in 40 CFR §63.11519(c)(2), "What are my notification, recordkeeping, and reporting requirements?"

(iv) If visible fugitive emissions are detected, you must perform corrective actions until the visible fugitive emissions are eliminated, at which time you must comply with the requirements in 40 CFR §63.11516(a)(3)(iv)(A) and (B), below.

(A) You must perform a follow-up inspection for visible fugitive emissions in accordance with 40 CFR §63.11517(a), "Monitoring Requirements."

(B) You must report all instances where visible emissions are detected, along with any corrective action taken and the results of subsequent follow-up inspections for visible emissions, with your annual certification and compliance report as required by 40 CFR §63.11519(b)(5), "Notification, recordkeeping, and reporting requirements."

(b) Standards for machining. If you own or operate a new or existing machining affected source, you must implement management practices to minimize emissions of MFHAP as specified in 40 CFR §63.11516(b)(1) and (2), below, for each

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machining operation that uses materials that contain MFHAP as defined in 40 CFR §63.11522, "What definitions apply to this subpart?", or has the potential to emit MFHAP. These requirements do not apply when machining operations are being performed that do not use any materials containing MFHAP and do not have the potential to emit MFHAP.

(1) You must take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable; and

(2) You must operate all equipment associated with machining according to manufacturer's instructions.

(c) [N/A - THE FACILITY DOES NOT HAVE ANY DRY GRINDING OR DRY POLISHING WITH MACHINES AS DEFINED IN 40 CFR §63.11522]

(d) Standards for control of MFHAP in spray painting. If you own or operate a new or existing spray painting affected source as defined in 40 CFR §63.11514(b)(4), "Am I subject to this subpart?," you must implement the management practices in 40 CFR §63.11516(d)(1) through (9), below, when a spray-applied paint that contains MFHAP is being applied. These requirements do not apply when spray-applied paints that do not contain MFHAP are being applied.

(1) Standards for spray painting for MFHAP control. All spray-applied painting of objects must meet the requirements of 40 CFR §63.11516(d)(1)(i) through (iii), below. These requirements do not apply to affected sources located at Fabricated Structural Metal Manufacturing facilities, as described in Table 1, "Description of Source Categories Affected by this Subpart," or affected sources that spray paint objects greater than 15 feet (4.57 meters) that are not spray painted in spray booths or spray rooms.

(i) Spray booths or spray rooms must have a full roof, at least two complete walls, and one or two complete side curtains or other barrier material so that all four sides are covered. The spray booths or spray rooms must be ventilated so that air is drawn into the booth and leaves only through the filter. The roof may contain narrow slots for connecting fabricated products to overhead cranes and/or for cords or cables.

(ii) All spray booths or spray rooms must be fitted with a type of filter technology that is demonstrated to achieve at least 98 percent capture of MFHAP. The procedure used to demonstrate filter efficiency must be consistent with the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) Method 52.1, "Gravimetric and Dust-Spot Procedures for Testing Air-Cleaning Devices Used in General Ventilation for Removing Particulate Matter, June 4, 1992" (incorporated by reference, see 40 CFR §63.14). The test coating for measuring filter efficiency shall be a high-solids bake enamel delivered at a rate of at least 135 grams per minute from a conventional (non-High Volume Low Pressure) air-atomized spray gun operating at 40 psi air pressure; the air flow rate across the filter shall be 150 feet per minute. Owners and operators may use published filter efficiency data provided by filter vendors to demonstrate compliance with this requirement and are not required to perform this measurement.

(iii) You must perform regular inspection and replacement of the filters in all spray booths or spray rooms according to manufacturer's instructions and maintain documentation of these activities, as detailed in 40 CFR §63.11519(c)(5), "Notification, recordkeeping, and reporting requirements."

(iv) As an alternative compliance requirement, spray booths or spray rooms equipped with a water curtain, called "waterwash" or "waterspray" booths or spray rooms, that are operated and maintained according to the manufacturer's specifications and that achieve at least 98 percent control of MFHAP may be used in lieu of the spray booths or spray rooms requirements of 40 CFR §63.11516(d)(1)(i) through (iii), above.

(2) Standards for spray painting application equipment of all objects painted for MFHAP control. All paints applied via spray-applied painting must be applied with a high-volume, low-pressure (HVLP) spray gun, electrostatic application, airless spray gun, air-assisted airless spray gun, or an equivalent technology that is demonstrated to achieve a transfer efficiency comparable to one of these spray gun technologies for a comparable operation, and for which written approval has been obtained from the Administrator. The procedure used to demonstrate that spray gun transfer efficiency is equivalent to that of an HVLP spray gun must be equivalent to the California South Coast Air Quality Management District's "Spray Equipment Transfer Efficiency Test Procedure for Equipment User, May 24, 1989" and "Guidelines for Demonstrating Equivalency with District Approved Transfer Efficient Spray Guns, September 26, 2002", Revision 0 (incorporated by reference, see 40 CFR §63.14).

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(3) Spray system recordkeeping. You must maintain documentation of the HVLP or other high transfer efficiency spray paint delivery methods as detailed in 40 CFR §63.11519(c)(7), "Notification, recordkeeping, and reporting requirements."

(4) Spray gun cleaning. All cleaning of paint spray guns must be done with either non-HAP gun cleaning solvents, or in such a manner that an atomized mist of spray of gun cleaning solvent and paint residue is not created outside of a container that collects the used gun cleaning solvent. Spray gun cleaning may be done, for example, by hand cleaning of parts of the disassembled gun in a container of solvent, by flushing solvent through the gun without atomizing the solvent and paint residue, or by using a fully enclosed spray gun washer. A combination of these non-atomizing methods may also be used.

(5) Spray painting worker certification. All workers performing painting must be certified that they have completed training in the proper spray application of paints and the proper setup and maintenance of spray equipment. The minimum requirements for training and certification are described in 40 CFR §63.11516(d)(6), below. The spray application of paint is prohibited by persons who are not certified as having completed the training described in 40 CFR §63.11516(d)(6), below. The requirements of this paragraph [i.e., 40 CFR §63.11516(d)(5)] do not apply to the students of an accredited painting training program who are under the direct supervision of an instructor who meets the requirements of this paragraph [40 CFR §63.11516(d)(5)]. The requirements of this paragraph [40 CFR §63.11516(d)(5)] do not apply to operators of robotic or automated painting operations.

(6) Spray painting training program content. Each owner or operator of an affected spray painting affected source must ensure and certify that all new and existing personnel, including contract personnel, who spray apply paints are trained in the proper application of paints as required by 40 CFR §63.11516(d)(5), above. The training program must include, at a minimum, the items listed in 40 CFR §63.11516(d)(6)(i) through (iii), below.

(i) A list of all current personnel by name and job description who are required to be trained;

(ii) Hands-on, or in-house or external classroom instruction that addresses, at a minimum, initial and refresher training in the topics listed in 40 CFR §63.11516(d)(6)(ii)(A) through (D), below.

(A) Spray gun equipment selection, set up, and operation, including measuring paint viscosity, selecting the proper fluid tip or nozzle, and achieving the proper spray pattern, air pressure and volume, and fluid delivery rate.

(B) Spray technique for different types of paints to improve transfer efficiency and minimize paint usage and overspray, including maintaining the correct spray gun distance and angle to the part, using proper banding and overlap, and reducing lead and lag spraying at the beginning and end of each stroke.

(C) Routine spray booth and filter maintenance, including filter selection and installation.

(D) Environmental compliance with the requirements of 40 CFR Part 63, Subpart XXXXX.

(iii) A description of the methods to be used at the completion of initial or refresher training to demonstrate, document, and provide certification of successful completion of the required training. Alternatively, owners and operators who can show by documentation or certification that a painter's work experience and/or training has resulted in training equivalent to the training required in 40 CFR §63.11516(d)(6)(ii), above, are not required to provide the initial training required by that paragraph to these painters.

(7) Records of spray painting training. You must maintain records of employee training certification for use of HVLP or other high transfer efficiency spray paint delivery methods as detailed in 40 CFR §63.11519(c)(8), "Notification, recordkeeping, and reporting requirements."

(8) Spray painting training dates. As required by 40 CFR §63.11516(d)(5), above, all new and existing personnel at an affected spray painting affected source, including contract personnel, who spray apply paints must be trained by the dates specified in 40 CFR §63.11516(d)(8)(i) and (ii), below.

(i) If your source is a new source, all personnel must be trained and certified no later than January 20, 2009, 180 days after startup, or 180 days after hiring, whichever is later. Training that was completed within 5 years prior to the date training is required and that meets the requirements specified in 40 CFR §63.11516(d)(6)(ii), above, satisfies this requirement and

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is valid for a period not to exceed 5 years after the date the training is completed.

(ii) If your source is an existing source, all personnel must be trained and certified no later than July 25, 2011, or 180 days after hiring, whichever is later. Worker training that was completed within 5 years prior to the date training is required and that meets the requirements specified in 40 CFR §63.11516(d)(6)(ii), above, satisfies this requirement and is valid for a period not to exceed 5 years after the date the training is completed.

(9) Duration of training validity. Training and certification will be valid for a period not to exceed 5 years after the date the training is completed. All personnel must receive refresher training that meets the requirements of 40 CFR §63.11516(d) and be re-certified every 5 years.

(e) [Reserved]

(f) Standards for welding. If you own or operate a new or existing welding affected source, you must comply with the requirements in 40 CFR §63.11516(f)(1) and (2), below, for each welding operation that uses materials that contain MFHAP as defined in 40 CFR §63.11522, "What definitions apply to this subpart?", or has the potential to emit MFHAP. If your welding affected source uses 2,000 pounds or more per year of welding rod containing one or more MFHAP (calculated on a rolling 12-month basis), you must demonstrate that management practices or fume control measures are being implemented by complying with the requirements in 40 CFR §63.11516(f)(3) through (8), below. The requirements in 40 CFR §63.11516(f)(1) through (8), below, do not apply when welding operations are being performed that do not use any materials containing MFHAP or do not have the potential to emit MFHAP.

(1) You must operate all equipment, capture and control devices associated with welding operations according to manufacturer's instructions. You must demonstrate compliance with this requirement by maintaining a record of the manufacturer's specifications for the capture and control devices as specified by the requirements in 40 CFR §63.11519(c)(4), "Notification, recordkeeping, and reporting requirements."

(2) You must implement one or more of the management practices specified in 40 CFR §63.11516(f)(2)(i) through (v), below, to minimize emissions of MFHAP, as practicable, while maintaining the required welding quality through the application of sound engineering judgment.

(i) Use welding processes with reduced fume generation capabilities (e.g., gas metal arc welding (GMAW); also called metal inert gas welding (MIG));

(ii) Use welding process variations (e.g., pulsed current GMAW), which can reduce fume generation rates;

(iii) Use welding filler metals, shielding gases, carrier gases, or other process materials which are capable of reduced welding fume generation;

(iv) Optimize welding process variables (e.g., electrode diameter, voltage, amperage, welding angle, shield gas flow rate, travel speed) to reduce the amount of welding fume generated; and

(v) Use a welding fume capture and control system operated according to the manufacturer's specifications.

(3) Tier 1 compliance requirements for welding. You must perform visual determinations of welding fugitive emissions as specified in 40 CFR §63.11517(b), "Monitoring requirements," at the primary vent, stack, exit, or opening from the building containing the welding operations. You must keep a record of all visual determinations of fugitive emissions along with any corrective action taken in accordance with the requirements in 40 CFR §63.11519(c)(2), "Notification, recordkeeping, and reporting requirements."

(4) Requirements upon initial detection of visible emissions from welding. If visible fugitive emissions are detected during any visual determination required in 40 CFR §63.11516(f)(3), above, you must comply with the requirements in 40 CFR §63.11516(f)(4)(i) and (ii), below.

(i) Perform corrective actions that include, but are not limited to, inspection of welding fume sources, and evaluation of the proper operation and effectiveness of the management practices or fume control measures implemented in accordance with 40 CFR §63.11516(f)(2), above. After completing such corrective actions, you must perform a follow-up inspection for

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visible fugitive emissions in accordance with 40 CFR §63.11517(a), "Monitoring Requirements," at the primary vent, stack, exit, or opening from the building containing the welding operations.

(ii) Report all instances where visible emissions are detected, along with any corrective action taken and the results of subsequent follow-up inspections for visible emissions, and submit with your annual certification and compliance report as required by 40 CFR §63.11519(b)(5), "Notification, recordkeeping, and reporting requirements."

(5) Tier 2 requirements upon subsequent detection of visible emissions. If visible fugitive emissions are detected more than once during any consecutive 12-month period (notwithstanding the results of any follow-up inspections), you must comply with 40 CFR §63.11516(f)(5)(i) through (iv), below.

(i) Within 24 hours of the end of the visual determination of fugitive emissions in which visible fugitive emissions were detected, you must conduct a visual determination of emissions opacity, as specified in 40 CFR §63.11517(c), "Monitoring requirements," at the primary vent, stack, exit, or opening from the building containing the welding operations.

(ii) In lieu of the requirement of 40 CFR §63.11516(f)(3), above, to perform visual determinations of fugitive emissions with EPA Method 22, you must perform visual determinations of emissions opacity in accordance with 40 CFR §63.11517(d), "Monitoring Requirements," using EPA Method 9, at the primary vent, stack, exit, or opening from the building containing the welding operations.

(iii) You must keep a record of each visual determination of emissions opacity performed in accordance with 40 CFR §63.11516(f)(5)(i) or (ii), above, along with any subsequent corrective action taken, in accordance with the requirements in 40 CFR §63.11519(c)(3), "Notification, recordkeeping, and reporting requirements."

(iv) You must report the results of all visual determinations of emissions opacity performed in accordance with 40 CFR §63.11516(f)(5)(i) or (ii), above, along with any subsequent corrective action taken, and submit with your annual certification and compliance report as required by 40 CFR §63.11519(b)(6), "Notification, recordkeeping, and reporting requirements."

(6) Requirements for opacities less than or equal to 20 percent but greater than zero. For each visual determination of emissions opacity performed in accordance with 40 CFR §63.11516(f)(5), above, for which the average of the six-minute average opacities recorded is 20 percent or less but greater than zero, you must perform corrective actions, including inspection of all welding fume sources, and evaluation of the proper operation and effectiveness of the management practices or fume control measures implemented in accordance with 40 CFR §63.11516(f)(2), above.

(7) Tier 3 requirements for opacities exceeding 20 percent. For each visual determination of emissions opacity performed in accordance with 40 CFR §63.11516(f)(5), above, for which the average of the six-minute average opacities recorded exceeds 20 percent, you must comply with the requirements in 40 CFR §63.11516(f)(7)(i) through (v), below.

(i) You must submit a report of exceedence of 20 percent opacity, along with your annual certification and compliance report, as specified in 40 CFR §63.11519(b)(8), "Notification, recordkeeping, and reporting requirements," and according to the requirements of 40 CFR §63.11519(b)(1), "Notification, recordkeeping, and reporting requirements."

(ii) Within 30 days of the opacity exceedence, you must prepare and implement a Site-Specific Welding Emissions Management Plan, as specified in 40 CFR §63.11516(f)(8), below. If you have already prepared a Site-Specific Welding Emissions Management Plan in accordance with this paragraph [i.e., 40 CFR §63.11516(f)(7)(ii)], you must prepare and implement a revised Site-Specific Welding Emissions Management Plan within 30 days.

(iii) During the preparation (or revision) of the Site-Specific Welding Emissions Management Plan, you must continue to perform visual determinations of emissions opacity beginning on a daily schedule as specified in 40 CFR §63.11517(d), "Monitoring Requirements," using EPA Method 9, at the primary vent, stack, exit, or opening from the building containing the welding operations.

(iv) You must maintain records of daily visual determinations of emissions opacity performed in accordance with 40 CFR §63.11516(f)(7)(iii), above, during preparation of the Site-Specific Welding Emissions Management Plan in accordance with the requirements in 40 CFR §63.11519(b)(9), "Notification, recordkeeping, and reporting requirements."

(v) You must include these records in your annual certification and compliance report according to the requirements of 40

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CFR §63.11519(b)(1), "Notification, recordkeeping, and reporting requirements."

(8) Site-Specific Welding Emissions Management Plan. The Site-Specific Welding Emissions Management Plan must comply with the requirements in 40 CFR §63.11516(f)(8)(i) through (iii), below.

(i) Site-Specific Welding Emissions Management Plan must contain the information in 40 CFR §63.11516(f)(8)(i)(A) through (F), below.

(A) Company name and address;

(B) A list and description of all welding operations which currently comprise the welding affected source;

(C) A description of all management practices and/or fume control methods in place at the time of the opacity exceedence;

(D) A list and description of all management practices and/or fume control methods currently employed for the welding affected source;

(E) A description of additional management practices and/or fume control methods to be implemented pursuant to 40 CFR §63.11516(f)(7)(ii), above, and the projected date of implementation; and

(F) Any revisions to a Site-Specific Welding Emissions Management Plan must contain copies of all previous plan entries pursuant to 40 CFR §63.11516(f)(8)(i)(D) and (E), above.

(ii) The Site-Specific Welding Emissions Management Plan must be updated annually to contain current information as required by 40 CFR §63.11516(f)(8)(i)(A) through (C), above, and submitted with your annual certification and compliance report according to the requirements of 40 CFR §63.11519(b)(1), "Notification, recordkeeping, and reporting requirements."

(iii) You must maintain a copy of the current Site-Specific Welding Emissions Management Plan in your records in a readily-accessible location for inspector review in accordance with the requirements in 40 CFR §63.11519(c)(12), "Notification, recordkeeping, and reporting requirements."

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

In the event that 40 CFR Part 63, Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories (MACT Subpart XXXXXX) is revised, the permittee shall comply with the revised version of MACT Subpart XXXXXX, and shall not be required to comply with any provisions in this operating permit designated as having MACT Subpart XXXXXX as their authority, to the extent that such operating permit provisions would be inconsistent with the applicable provisions of the revised MACT Subpart XXXXXX.

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1]**Subpart A--General Provisions****Applicability.**

The Group 003 sources are subject to 40 CFR Part 63, Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories (MACT Subpart XXXXXX). The permittee shall comply with all applicable standards, compliance provisions, performance test, monitoring, record keeping, and reporting requirements contained at 40 CFR §§63.11514 through 63.11523, including all applicable portions of 40 CFR Part 63, Subpart A - General Provisions. The permittee shall comply with 40 CFR §63.13(a), which requires submission of copies of all requests, reports, applications, submittals, and other communications to both the U.S. Environmental Protection Agency (U.S. EPA) and the Department. The U.S. EPA copies shall be forwarded to:

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

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The Department copies shall be forwarded to:

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

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11514]

Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories

Am I subject to this subpart?

(a) You are subject to 40 CFR Part 63, Subpart XXXXXX, if you own or operate an area source that is primarily engaged in the operations in one of the nine source categories listed in 40 CFR §63.11514(a)(1) through (9), below. Descriptions of these source categories are shown in Table 1 of 40 CFR Part 63. "Primarily engaged" is defined in 40 CFR §63.11522, "What definitions apply to this subpart?"

- (1) Electrical and Electronic Equipment Finishing Operations;
- (2) Fabricated Metal Products;
- (3) Fabricated Plate Work (Boiler Shops);
- (4) Fabricated Structural Metal Manufacturing;
- (5) Heating Equipment, except Electric;
- (6) Industrial Machinery and Equipment Finishing Operations;
- (7) Iron and Steel Forging;
- (8) Primary Metal Products Manufacturing; and
- (9) Valves and Pipe Fittings.

[NOTE: THE PERMITTEE IS PRIMARILY ENGAGED IN CATEGORY NO. 8, ABOVE.]

(b) The provisions of 40 CFR Part 63, Subpart XXXXXX, apply to each new and existing affected source listed and defined in 40 CFR §63.11514(b)(1) through (5), below, if you use materials that contain or have the potential to emit metal fabrication or finishing metal HAP (MFHAP), defined to be the compounds of cadmium, chromium, lead, manganese, and nickel, or any of these metals in the elemental form with the exception of lead. Materials that contain MFHAP are defined to be materials that contain greater than 0.1 percent for carcinogens, as defined by OSHA at 29 CFR 1910.1200(d)(4), and greater than 1.0 percent for noncarcinogens. For the MFHAP, this corresponds to materials that contain cadmium, chromium, lead, or nickel in amounts greater than or equal to 0.1 percent by weight (of the metal), and materials that contain manganese in amounts greater than or equal to 1.0 percent by weight (of the metal), as shown in formulation data provided by the manufacturer or supplier, such as the Material Safety Data Sheet for the material.

(1) A dry abrasive blasting affected source is the collection of all equipment and activities necessary to perform dry abrasive blasting operations which use materials that contain MFHAP or that have the potential to emit MFHAP.

(2) A machining affected source is the collection of all equipment and activities necessary to perform machining operations which use materials that contain MFHAP, as defined in 40 CFR §63.11522, "What definitions apply to this subpart?", or that have the potential to emit MFHAP.

(3) [N/A - THE FACILITY DOES NOT HAVE ANY DRY GRINDING OR DRY POLISHING WITH MACHINES AS DEFINED IN 40 CFR §63.11522]

(4) A spray painting affected source is the collection of all equipment and activities necessary to perform spray-applied

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painting operations using paints which contain MFHAP. A spray painting affected source includes all equipment used to apply cleaning materials to a substrate to prepare it for paint application (surface preparation) or to remove dried paint; to apply a paint to a substrate (paint application) and to dry or cure the paint after application; or to clean paint operation equipment (equipment cleaning). Affected source(s) subject to the requirements of this paragraph [i.e., 40 CFR §63.11514(b)(4)] are not subject to the miscellaneous surface coating provisions of 40 CFR Part 63, Subpart HHHHHH, "National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources."

(5) A welding affected source is the collection of all equipment and activities necessary to perform welding operations which use materials that contain MFHAP, as defined in 40 CFR §63.11522, "What definitions apply to this subpart?", or have the potential to emit MFHAP.

(c) An affected source is existing if you commenced construction or reconstruction of the affected source, as defined in 40 CFR §63.2, "General Provisions" to Part 63, before April 3, 2008.

(d) An affected source is new if you commenced construction or reconstruction of the affected source, as defined in 40 CFR §63.2, "General Provisions" to Part 63, on or after April 3, 2008.

(e) [N/A - THE FACILITY IS NOT A RESEARCH OR LABORATORY FACILITY AS DEFINED IN SECTION 112(c)(7) OF THE CLEAN AIR ACT]

(f) 40 CFR Part 63, Subpart XXXXXX, does not apply to tool or equipment repair operations, facility maintenance, or quality control activities as defined in 40 CFR §63.11522, "What definitions apply to this subpart?"

(g) [N/A - THE FACILITY IS NOT OWNED OR OPERATED BY THE U.S. ARMED FORCES (INCLUDING THE COAST GUARD AND THE NATIONAL GUARD OF ANY SUCH STATE), THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OR THE NATIONAL NUCLEAR SECURITY ADMINISTRATION]

(h) [N/A - THE FACILITY DOES NOT PRODUCE MILITARY MUNITIONS MANUFACTURED BY OR FOR THE U.S. ARMED FORCES (INCLUDING THE COAST GUARD AND THE NATIONAL GUARD OF ANY SUCH STATE), OR EQUIPMENT DIRECTLY AND EXCLUSIVELY USED FOR THE PURPOSES OF TRANSPORTING MILITARY MUNITIONS]

(i) You are exempt from the obligation to obtain a permit under 40 CFR Part 70 or 40 CFR Part 71, provided you are not otherwise required by law to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a). Notwithstanding the previous sentence, you must continue to comply with the provisions of 40 CFR Part 63, Subpart XXXXXX.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11522]

Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories

What definitions apply to this subpart?

Terms used in 40 CFR Part 63, Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories, as well as Section E, Group 003, are defined in the Clean Air Act (CAA); in 40 CFR §63.2 (General Provisions); and in 40 CFR §63.11522.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11523]

Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories

What General Provisions apply to this subpart?

The provisions in 40 CFR Part 63, Subpart A (General Provisions), applicable to sources subject to 40 CFR §63.11514(a) are specified in Table 2 of 40 CFR Part 63, Subpart XXXXXX.

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

**SECTION E. Source Group Restrictions.**

Group Name: 004

Group Description: SOURCES SUBJECT TO NSPS SUBPART JJJJ

Sources included in this group

ID	Name
301	EMERGENCY ENGINE 89 HP POST 1/1/09 (KOHLER 50REZG)
306	EMERGENCY ENGINE NO. 4 162 HP 5/2011 (KOHLER 100 EZGD)
308	EMERGENCY ENGINE NO. 5 10 HP 2017 (GENERAC G006998-0)

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

In the event that 40 CFR Part 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (NSPS Subpart JJJJ) is revised, the permittee shall comply with the revised version of NSPS Subpart JJJJ, and shall not be required to comply with any provisions in this operating permit designated as having NSPS Subpart JJJJ as their authority, to the extent that such operating permit provisions would be inconsistent with the applicable provisions of the revised NSPS Subpart JJJJ.

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 Am I subject to this subpart?

(a) The provisions of 40 CFR Part 60, Subpart JJJJ, are applicable to manufacturers, owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) as specified in 40 CFR §4230(a)(1) through (6), below. For the purposes of 40 CFR Part 60, Subpart JJJJ, the date that construction commences is the date the engine is ordered by the owner or operator.

(1) [N/A - THE PERMITTEE IS NOT A SI ICE MANUFACTURER; THE SI ICEs EACH HAVE A MAXIMUM ENGINE POWER GREATER THAN 19 KW (25 HP)]

**SECTION E. Source Group Restrictions.**

(2) [N/A - THE PERMITTEE IS NOT A SI ICE MANUFACTURER; THE SI ICEs ARE NATURAL GAS-FIRED]

(3) [N/A - THE PERMITTEE IS NOT A SI ICE MANUFACTURER]

(4) Owners and operators of stationary SI ICE that commence construction after June 12, 2006, where the stationary SI ICE are manufactured:

(i) [N/A - THE SI ICEs EACH HAVE A MAXIMUM ENGINE POWER LESS THAN 500 HP]

(ii) [N/A - THE SI ICEs EACH HAVE A MAXIMUM ENGINE POWER LESS THAN 500 HP]

(iii) [N/A - THE SI ICEs ARE EACH DEFINED AS AN EMERGENCY ENGINE; SEE 40 CFR §4230(a)(4)(iv), BELOW]

(iv) on or after January 1, 2009, for emergency engines with a maximum engine power greater than 19 KW (25 HP).

(5) [N/A - THE SI ICEs ARE EACH DEFINED AS A NEW UNIT]

(6) The provisions of 40 CFR §60.4236 are applicable to all owners and operators of stationary SI ICE that commence construction after June 12, 2006.

(b) [N/A - THE SI ICEs ARE NOT BEING TESTED AT AN ENGINE TEST CELL/STAND]

(c) [N/A - THE FACILITY IS NOT AN AREA SOURCE AND ALREADY POSSESSES A TITLE V OPERATING PERMIT]

(d) [N/A - THE SI ICEs ARE EACH NATURAL GAS-FIRED]

(e) Stationary SI ICE may be eligible for exemption from the requirements of 40 CFR Part 60, Subpart JJJJ, as described in 40 CFR Part 1068, Subpart C (or the exemptions described in 40 CFR Parts 1048 and 1054, for engines that would need to be certified to standards in those parts), except that owners and operators, as well as manufacturers, may be eligible to request an exemption for national security.

(f) [THE SI ICEs ARE NOT TEMPORARY REPLACEMENT UNITS]

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37972, June 28, 2011; 86 FR 34360, June 29, 2021]

§ 60.4233 What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?

(a) Owners and operators of stationary SI ICE with a maximum engine power less than or equal to 19 KW (25 HP) manufactured on or after July 1, 2008, must comply with the emission standards in § 60.4231(a) for their stationary SI ICE. [THIS APPLIES TO SOURCE 308]

60.4231(a) REQUIREMENTS

(a) Stationary SI internal combustion engine manufacturers must certify their stationary SI ICE with a maximum engine power less than or equal to 19 KW (25 HP) manufactured on or after July 1, 2008 to the certification emission standards and other requirements for new nonroad SI engines in 40 CFR part 1054, as follows:

(1) - (2) [NA - SOURCE 308 IS 420 CC]

(3) [NA - SOURCE 308 IS FROM 2017]

(4) If engine displacement is at or above 225 cc and manufacturing dates are January 1, 2011 or later the engine must meet the following non-handheld emission standards identified in 40 CFR Part 1054 and related requirements: Phase 3.

END OF 60.4231(a) REQUIREMENTS

(b) [N/A - THE SI ICEs ARE NATURAL GAS-FIRED]

**SECTION E. Source Group Restrictions.**

(c) [N/A - THE SI ICEs ARE NATURAL GAS-FIRED]

(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 40 CFR Part 60, Subpart JJJJ*, 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 40 CFR Part 60, Subpart JJJJ, applicable to engines with a maximum engine power greater than or equal to 100 HP and less than 500 HP, may optionally choose to meet those standards.

* [40 CFR PART 60, SUBPART JJJJ, TABLE 1 EMISSION STANDARDS FOR EMERGENCY STATIONARY SI ICE 25 HP < MAXIMUM ENGINE POWER (HP) < 130 HP: NO_x + HC not to exceed 10 g/HP-hr & CO not to exceed 387 g/HP-hr; THE PERMITTEE HAS ELECTED TO DEMONSTRATE COMPLIANCE WITH THESE EMISSION STANDARDS AS OPPOSED TO THE ALTERNATE SET OF EMISSION STANDARDS; THESE EMISSION STANDARDS APPLY TO SOURCE ID 301 ONLY]

(e) Owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards in Table 1 to 40 CFR Part 60, Subpart JJJJ**, for their stationary SI ICE. For owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 100 HP (except gasoline and rich burn engines that use LPG) manufactured prior to January 1, 2011 that were certified to the certification emission standards in 40 CFR Part 1048 applicable to engines that are not severe duty engines, if such stationary SI ICE was certified to a carbon monoxide (CO) standard above the standard in Table 1 to 40 CFR Part 60, Subpart JJJJ, then the owners and operators may meet the CO certification (not field testing) standard for which the engine was certified.

** [40 CFR PART 60, SUBPART JJJJ, TABLE 1 EMISSION STANDARDS FOR STATIONARY SI ICE WITH A MAXIMUM ENGINE POWER >= 130 HP: NO_x not to exceed 2.0 g/HP-hr OR 160 ppmvd at 15% oxygen; CO not to exceed 4.0 g/HP-hr OR 540 ppmvd at 15% oxygen; VOC not to exceed 1.0 g/HP-hr [excluding formaldehyde] OR 86 ppmvd at 15% oxygen [excluding formaldehyde]; THESE EMISSION STANDARDS APPLY TO SOURCE ID 306 ONLY]

(f) [N/A - THE SI ICEs ARE EACH DEFINED AS A NEW UNIT]

(g) [N/A - THE FUEL USED WILL BE PIPELINE QUALITY NATURAL GAS; NOT WELLHEAD NATURAL GAS]

(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.

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37973, June 28, 2011]

§ 60.4234 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 40 CFR §60.4233 over the entire life of the engine.

§ 60.4235 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-NOT GASOLINE FIRED]

[73 FR 3591, Jan. 18, 2008, as amended at 85 FR 78463, Dec. 4, 2020]

§ 60.4236 What is the deadline for importing or installing stationary SI ICE produced in previous model years?

(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 40 CFR §60.4233.

(b) [N/A - THE SI ICEs EACH HAVE A MAXIMUM ENGINE POWER LESS THAN 500 HP]

(c) For emergency stationary SI ICE with a maximum engine power of greater than 19 KW (25 HP), owners and operators

**SECTION E. Source Group Restrictions.**

may not install engines that do not meet the applicable requirements in 40 CFR §60.4233 after January 1, 2011.

(d) In addition to the requirements specified in §§ 60.4231 and 60.4233, it is prohibited to import stationary SI ICE less than or equal to 19 KW (25 HP), stationary rich burn LPG SI ICE, and stationary gasoline SI ICE that do not meet the applicable requirements specified in paragraphs (a), (b), and (c) of this section, after the date specified in paragraph (a), (b), and (c) of this section.

(e) [N/A - THE SI ICEs ARE EACH DEFINED AS A NEW UNIT AND HAVE NOT BEEN RELOCATED/REINSTALLED]

§ 60.4237 What are the monitoring requirements if I am an owner or operator of an emergency stationary SI internal combustion engine?

(a) [N/A - THE SI ICEs EACH HAVE A MAXIMUM ENGINE POWER LESS THAN 500 HP]

(b) Starting on January 1, 2011, if the emergency stationary SI internal combustion engine that is greater than or equal to 130 HP and less than 500 HP that was built on or after January 1, 2011, does not meet the standards applicable to non-emergency engines, the owner or operator must install a non-resettable hour meter. [THIS REQUIREMENT APPLIES TO SOURCE ID 306 ONLY]

(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. [THIS REQUIREMENT APPLIES TO SOURCES ID 301 AND 308 ONLY]

§ 60.4243 What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?

(a) [SOURCES 301 AND 306 SI ICEs ARE NOT SUBJECT TO THE EMISSION STANDARDS SPECIFIED IN 40 CFR §60.4233(a) THROUGH (c); THE SOURCE 301 AND 306 SI ICEs ARE SUBJECT TO THE EMISSION STANDARDS SPECIFIED IN 40 CFR §60.4233(d) [SOURCE ID 301] OR (e) [SOURCE ID 306]; HOWEVER, 40 CFR §60.4243(b)(1), BELOW, REFERENCES THIS PARAGRAPH (40 CFR §60.4243(a)) AS A COMPLIANCE DEMONSTRATION METHOD] If you are an owner or operator of a stationary SI internal combustion engine that is manufactured after July 1, 2008, and must comply with the emission standards specified in 40 CFR §60.4233(a) through (c), you must comply by purchasing an engine certified to the emission standards in 40 CFR §60.4231(a) through (c), as applicable, for the same engine class and maximum engine power. In addition, you must meet one of the requirements specified in 40 CFR §60.4243(a)(1) and (2), below.

(1) If you operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, you must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required if you are an owner or operator. You must also meet the requirements as specified in 40 CFR Part 1068, Subparts A through D, as they apply to you. If you adjust engine settings according to and consistent with the manufacturer's instructions, your stationary SI internal combustion engine will not be considered out of compliance.

(2) If you do not operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, your engine will be considered a non-certified engine, and you must demonstrate compliance according to 40 CFR §60.4243(a)(2)(i) through (iii), below, as appropriate.

(i) If you are an owner or operator of a stationary SI internal combustion engine less than 100 HP, you must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practices for minimizing emissions, but no performance testing is required if you are an owner or operator. [POTENTIALLY APPLICABLE TO SOURCE ID 301 AND 308 ONLY]

(ii) If you are an owner or operator of a stationary SI internal combustion engine greater than or equal to 100 HP and less than or equal to 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practices for minimizing emissions. In addition, you must conduct an initial performance test within 1 year of engine startup to demonstrate

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compliance. [POTENTIALLY APPLICABLE TO SOURCE ID 306 ONLY]

(iii) [N/A - THE SI ICEs EACH HAVE A MAXIMUM ENGINE POWER LESS THAN 500 HP]

(b) If you are an owner or operator of a stationary SI internal combustion engine and must comply with the emission standards specified in 40 CFR §60.4233(d) or (e), you must demonstrate compliance according to one of the methods specified in 40 CFR §60.4243(b)(1) and (2), below.

(1) Purchasing an engine certified according to procedures specified in 40 CFR Part 60, Subpart JJJJ, for the same model year and demonstrating compliance according to one of the methods specified in 40 CFR §60.4243(a), above.

(2) [N/A - THE SI ICEs ARE CERTIFIED ENGINES]

(c) [N/A - THE SI ICEs ARE EACH DEFINED AS A NEW UNIT; THE EMISSION STANDARDS SPECIFIED IN 40 CFR §60.4233(f) ARE NOT APPLICABLE]

(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, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (d)(1) through (3), is prohibited. If you do not operate the engine according to the requirements in paragraphs (d)(1) through (3), the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary ICE in emergency situations.

(2) You may operate your emergency stationary ICE for the purpose specified in paragraph (d)(2)(i) 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).

(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 (RTO) 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.

(ii) – (iii) [Reserved]

(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 provided in 40 CFR §60.4243(d)(2), above. Except as provided in 40 CFR §60.4243(d)(3)(i), below, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) 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:

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator;

(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.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

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(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission (PUC) 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.

(ii) [Reserved]

(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 40 CFR §60.4233.

(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.

(g) [N/A - THE SI ICEs ARE NOT EQUIPPED WITH THREE-WAY CATALYSTS/NSCR]

(h) [N/A - THE SI ICEs EACH HAVE A MAXIMUM ENGINE POWER LESS THAN 500 HP]

(i) [N/A - THE SI ICEs ARE EACH DEFINED AS A NEW UNIT; THE EMISSION STANDARDS SPECIFIED IN 40 CFR §60.4233(f) ARE NOT APPLICABLE]

[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; 87 FR 48606, Aug. 10, 2022]

§ 60.4245 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.

(a) Owners and operators of all stationary SI ICE must keep records of the information in 40 CFR §60.4245(a)(1) through (4), below.

(1) All notifications submitted to comply with 40 CFR Part 60, Subpart JJJJ, and all documentation supporting any notification.

(2) Maintenance conducted on the engine.

(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.

(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 40 CFR §60.4243(a)(2), documentation that the engine meets the emission standards.

(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

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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. [SOURCE IDs 301, 306 AND 308 ARE EACH REQUIRED TO HAVE A NON-RESETTABLE HOUR METER; HOWEVER, SOURCE ID 306's HOURS OF OPERATION DO NOT NEED TO BE KEPT SINCE IT HAS A RATED POWER OUTPUT CAPACITY OF 162 HP AND WAS MANUFACTURED IN MAY, 2011]

(c) [N/A - THE SI ICEs EACH HAVE A MAXIMUM ENGINE POWER LESS THAN 500 HP]

(d) [N/A - THE SI ICEs ARE NOT SUBJECT TO PERFORMANCE TESTING REQUIREMENTS]

(e) If you own or operate an emergency stationary SI ICE with a maximum engine power more than 100 HP that operates for the purpose specified in § 60.4243(d)(3)(i), you must submit an annual report according to the requirements in paragraphs (e)(1) through (3) of this section. [POTENTIALLY APPLICABLE TO SOURCE ID 306 ONLY]

(1) The report must contain the following information:

(i) Company name and address where the engine is located.

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

(iii) Engine site rating and model year.

(iv) Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.

(v)-(vi) [Reserved]

(vii) Hours spent for operation for the purposes specified in 40 CFR §60.4243(d)(3)(i), including the date, start time, and end time for engine operation for the purposes specified in 40 CFR §60.4243(d)(3)(i). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

(2) The first annual report must cover the calendar year 2015 and must be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.

(3) The annual report must be submitted electronically using the 40 CFR Part 60, Subpart JJJJ-specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to 40 CFR Part 60, Subpart JJJJ, is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in 40 CFR §60.4.

[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; 87 FR 48606, Aug. 10, 2022]

§ 60.4246 What General Provisions and confidential information provisions apply to me?

(a) Table 3 to this subpart shows which parts of the General Provisions in §§ 60.1 through 60.19 apply to you.

(b) The provisions of 40 CFR 1068.10 and 1068.11 apply for engine manufacturers. For others, the general confidential business information (CBI) provisions apply as described in 40 CFR part 2.

[88 FR 4471, Jan. 24, 2023]

§ 60.4248 What definitions apply to this subpart?

Terms used in 40 CFR Part 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, as well as Section E, Group 004, are defined in the Clean Air Act; in 40 CFR §60.2 (General Provisions); and in 40

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CFR §60.4248.

Regulatory Changes:

The Group 004 engines are subject to 40 CFR Part 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines. The permittee shall comply with all applicable standards, compliance provisions, performance test, monitoring, record keeping, and reporting requirements contained at 40 CFR §§60.4230 through 60.4248, including all applicable portions of 40 CFR Part 60, Subpart A - General Provisions. The permittee shall comply with 40 CFR §60.4, which requires submission of copies of all requests, reports, applications, submittals, and other communications to both the U.S. Environmental Protection Agency (U.S. EPA) and the Department. The U.S. EPA copies shall be forwarded to:

United States Environmental Protection Agency
Region III, Air and Radiation Division
Permits Branch (3AD10)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, Pennsylvania 19103-2852

The Department copies shall be forwarded to wiweaver@pa.gov, unless otherwise specified 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.

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

**SECTION E. Source Group Restrictions.**

Group Name: 005

Group Description: SOURCE SUBJECT TO NSPS SUBPART IIII

Sources included in this group

ID	Name
305	EMERGENCY FIRE PUMP ENGINE 260 HP 1/4/10 (CLARKE JU6H-UF84)
307	EMERGENCY FIRE PUMP ENGINE 99 HP 2017 (CLARKE JU4H-UFADJ2)

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

In the event that 40 CFR Part 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (NSPS Subpart IIII) is revised, the permittee shall comply with the revised version of NSPS Subpart IIII, and shall not be required to comply with any provisions in this operating permit designated as having NSPS Subpart IIII as their authority, to the extent that such operating permit provisions would be inconsistent with the applicable provisions of the revised NSPS Subpart IIII.

002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****Am I subject to this subpart?**

§ 60.4200 Am I subject to this subpart?

(a) The provisions of 40 CFR Part 60, Subpart IIII, are applicable to manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICEs) and other persons as specified in 40 CFR §60.4200(a)(1) through (4), below. For the purposes of 40 CFR Part 60, Subpart IIII, the date that construction commences is the date the engine is ordered by the owner or operator.

(1) [N/A - THE PERMITTEE IS NOT A MANUFACTURER OF STATIONARY CI ICEs]

(2) Owners and operators of stationary CI ICE that commence construction after July 11, 2005, where the stationary CI ICE are:

**SECTION E. Source Group Restrictions.**

(i) [N/A - THE UNITS ARE FIRE PUMP ENGINES]

(ii) Manufactured as a certified National Fire Protection Association (NFPA) fire pump engine after July 1, 2006.

(3) [N/A - THE UNITS HAVE NOT BEEN MODIFIED OR RECONSTRUCTED AFTER JULY 11, 2005]

(4) The provisions of 40 CFR §60.4208 are applicable to all owners and operators of stationary CI ICEs that commence construction after July 11, 2005.

(b) [N/A - THE UNITS ARE NOT BEING TESTED AT A STATIONARY CI ICE TEST CELL/STAND]

(c) [N/A - THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS BUT CURRENTLY POSSESSES A TITLE V OPERATING PERMIT PURSUANT TO 40 CFR §71.3(a)(1)]

(d) Stationary CI ICE may be eligible for exemption from the requirements of this subpart as described in 40 CFR part 1068, subpart C, except that owners and operators, as well as manufacturers, may be eligible to request an exemption for national security.

(e) [N/A - THE UNITS ARE NOT ACTING AS TEMPORARY REPLACEMENT UNITS]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37967, June 28, 2011; 86 FR 34357, June 29, 2021]

§ 60.4205 What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?

(a) [N/A - SOURCE 305 IS A 260 HP MODEL YEAR 2010 UNIT; SOURCE 307 IS A 99 HP 2017 UNIT; BOTH ARE FIRE PUMP ENGINES]

(b) [N/A - THE UNITS ARE FIRE PUMP ENGINES]

(c) Owners and operators of fire pump engines with a displacement of less than 30 liters per cylinder must comply with the emission standards in Table 4 to 40 CFR Part 60, Subpart IIII, for all pollutants.

TABLE 4 REQUIREMENTS**SOURCE 305**

Maximum Engine Power: $130 \leq \text{KW} < 225$ ($175 \leq \text{HP} < 300$)

Model Year: 2008+

Standards expressed as g/kW-hr (g/hp-hr)

NMHC + NOX: 4.0 (3.0)

CO: 3.5 (2.6)

PM: 0.20 (0.15)

SOURCE 307

Maximum Engine Power: $56 \leq \text{KW} < 75$ ($75 \leq \text{HP} < 100$)

Model Year: 2011+

Standards expressed as g/kW-hr (g/hp-hr)

NMHC + NOX: 4.7 (3.5)

CO: 5.0 (3.7)

PM: 0.40 (0.30)

END OF TABLE 4 REQUIREMENTS

(d) [N/A - THE UNITS EACH HAVE A DISPLACEMENT OF LESS THAN 30 LITERS PER CYLINDER]

(e) Owners and operators of emergency stationary CI ICE with a displacement of less than 30 liters per cylinder who conduct performance tests in-use must meet the NTE standards as indicated in 40 CFR §60.4212.

**SECTION E. Source Group Restrictions.**

(f) [N/A - THE UNITS ARE NOT MODIFIED OR RECONSTRUCTED]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37969, June 28, 2011; 86 FR 34358, June 29, 2021]

§ 60.4206 How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine?

Owners and operators of stationary CI ICEs must operate and maintain stationary CI ICEs that achieve the emission standards as required in 40 CFR §§60.4204 and 60.4205 over the entire life of the engine.

[76 FR 37969, June 28, 2011]

§ 60.4207 What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?

(a) [RESERVED]

(b) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to 40 CFR Part 63, Subpart IIII, with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR §80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted.

[40 CFR §80.510(b) STATES THAT EXCEPT AS OTHERWISE SPECIFICALLY PROVIDED IN 40 CFR PART 80, SUBPART I, ALL NONROAD DIESEL FUEL IS SUBJECT TO THE FOLLOWING PER-GALLON STANDARDS: SULFUR CONTENT MAXIMUM OF 15 PPM (0.0015% (by weight)); AND A MINIMUM CETANE INDEX OF 40, OR A MAXIMUM AROMATIC CONTENT OF 35% (by volume)]

(c) [Reserved]

(d) [N/A - THE UNITS EACH HAVE A DISPLACEMENT OF LESS THAN 30 LITERS PER CYLINDER]

(e) [N/A - THE UNITS DO NOT HAVE A NATIONAL SECURITY EXEMPTION UNDER 40 CFR §60.4200(d)]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37969, June 28, 2011; 78 FR 6695, Jan. 30, 2013; 85 FR 78463, Dec. 4, 2020]

§ 60.4209 What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?

If you are an owner or operator, you must meet the monitoring requirements of 40 CFR §60.4209. In addition, you must also meet the monitoring requirements specified in 40 CFR §60.4211.

(a) If you are an owner or operator of an emergency stationary CI internal combustion engine that does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter prior to startup of the engine.

(b) [THE UNITS ARE NOT EQUIPPED WITH A DIESEL PARTICULATE FILTER]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37969, June 28, 2011]

§ 60.4211 What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?

(a) If you are an owner or operator and must comply with the emission standards specified in 40 CFR Part 60, Subpart IIII, you must do all of the following, except as permitted under 40 CFR §60.4211(g), below:

(1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;

(2) Change only those emission-related settings that are permitted by the manufacturer; and

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(3) Meet the requirements of 40 CFR part 1068, as they apply to you.

(b) [N/A - UNITS ARE NOT PRE-2007 MODEL YEAR]

(c) If you are an owner or operator of a 2007 model year and later stationary CI internal combustion engine and must comply with the emission standards specified in 40 CFR §60.4204(b) or 40 CFR §60.4205(b), or if you are an owner or operator of a CI fire pump engine that is manufactured during or after the model year that applies to your fire pump engine power rating in Table 3 to 40 CFR Part 60, Subpart IIII (i.e., model year 2009), and must comply with the emission standards specified in 40 CFR §60.4205(c), you must comply by purchasing an engine certified to the emission standards in 40 CFR §60.4204(b), or 40 CFR §60.4205(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 40 CFR §60.4211(g), below. [40 CFR §60.4205(c) REFERENCES TABLE 4 TO SUBPART IIII OF PART 60]

(d) [N/A - THE UNITS DO NOT HAVE TO COMPLY WITH THE EMISSION STANDARDS SPECIFIED IN 40 CFR §60.4204(c) or 40 CFR §60.4205(d)]

(e) [N/A - THE UNITS ARE NOT MODIFIED OR RECONSTRUCTED]

(f) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (f)(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, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (3), is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (3), the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary ICE in emergency situations.

(2) You may operate your emergency stationary ICE for the purpose specified in paragraph (f)(2)(i) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (f)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(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.

(ii) – (iii) [Reserved]

(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 provided in paragraph (f)(2) of this section. Except as provided in paragraph (f)(3)(i) of this section, the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) 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:

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator;

(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.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state,

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public utility commission or local standards or guidelines.

(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

(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.

(ii) [Reserved]

(g) If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must demonstrate compliance as follows:

(1) If you are an owner or operator of a stationary CI internal combustion engine with maximum engine power less than 100 HP, you must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, if you do not install and configure the engine and control device according to the manufacturer's emission-related written instructions, or you change the emission-related settings in a way that is not permitted by the manufacturer, you must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of such action.

(2) If you are an owner or operator of a stationary CI internal combustion engine greater than or equal to 100 HP and less than or equal to 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer.

(3) [N/A - THE UNITS EACH HAVE A MAXIMUM ENGINE POWER LESS THAN OR EQUAL TO 500 HP]

(h) The requirements for operators and prohibited acts specified in 40 CFR 1039.665 apply to owners or operators of stationary CI ICE equipped with AECDS for qualified emergency situations as allowed by 40 CFR 1039.665.

[71 FR 39172, July 11, 2006, as amended at 76 FR 37970, June 28, 2011; 78 FR 6695, Jan. 30, 2013; 81 FR 44219, July 7, 2016; 86 FR 34359, June 29, 2021; 87 FR 48605, Aug. 10, 2022]

§ 60.4214 What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?

(a) [N/A - THE UNITS ARE AN EMERGENCY UNITS]

(b) If the stationary CI internal combustion engine is an emergency stationary internal combustion engine, the owner or operator is not required to submit an initial notification. Starting with the model years in Table 5 to 40 CFR Part 60, Subpart IIII, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time.

TABLE 5 REQUIREMENTS

You must comply with the labeling requirements in §60.4210(f) and the recordkeeping requirements in §60.4214(b) for new emergency stationary CI ICE beginning in the following model years:

Engine Power: 56<=KW<130 (75<=HP<175): 2012

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Engine Power: KW<=130 (HP<=175): 2011

End OF TABLE 5 REQUIREMENTS

(c) [THE UNITS ARE NOT EQUIPPED WITH A DIESEL PARTICULATE FILTER]

(d) If you own or operate an emergency stationary CI ICE with a maximum engine power more than 100 HP that operates for the purpose specified in § 60.4211(f)(3)(i), you must submit an annual report according to the requirements in paragraphs (d)(1) through (3) of this section.

(1) The report must contain the following information:

(i) Company name and address where the engine is located.

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

(iii) Engine site rating and model year.

(iv) Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.

(v)-(vi) [Reserved]

(vii) Hours spent for operation for the purposes specified in 40 CFR §60.4211(f)(3)(i), including the date, start time, and end time for engine operation for the purposes specified in 40 CFR §60.4211(f)(3)(i). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

(2) The first annual report must cover the calendar year 2015 and must be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.

(3) The annual report must be submitted electronically using the 40 CFR Part 60, Subpart IIII-specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to 40 CFR Subpart IIII, is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in 40 CFR §60.4.

(e) Owners or operators of stationary CI ICE equipped with AECs pursuant to the requirements of 40 CFR 1039.665 must report the use of AECs as required by 40 CFR 1039.665(e).

[71 FR 39172, July 11, 2006, as amended at 78 FR 6696, Jan. 30, 2013; 81 FR 44219, July 7, 2016; 87 FR 48606, Aug. 10, 2022]

§ 60.4218 What General Provisions and confidential information provisions apply to me?

(a) Table 8 to this subpart shows which parts of the General Provisions in §§ 60.1 through 60.19 apply to you.

(b) The provisions of 40 CFR 1068.10 and 1068.11 apply for engine manufacturers. For others, the general confidential business information (CBI) provisions apply as described in 40 CFR part 2.

[88 FR 4471, Jan. 24, 2023]

§ 60.4219 What definitions apply to this subpart?

Terms used in 40 CFR Part 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, as well as Section E, Group 005, are defined in the Clean Air Act; in 40 CFR §60.2 (General Provisions); and in 40 CFR §60.4219.

[71 FR 39172, July 11, 2006, as amended at 76 FR 37972, June 28, 2011; 78 FR 6696, Jan. 30, 2013; 81 FR 44219, July 7,

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2016; 86 FR 34360, June 29, 2021; 87 FR 48606, Aug. 10, 2022]

The Group 005 engines are subject to 40 CFR Part 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. The permittee shall comply with all applicable standards, compliance provisions, performance test, monitoring, record keeping, and reporting requirements contained at 40 CFR §§60.4200 through 60.4219, including all applicable portions of 40 CFR Part 60, Subpart A - General Provisions. The permittee shall comply with 40 CFR §60.4, which requires submission of copies of all requests, reports, applications, submittals, and other communications to both the U.S. Environmental Protection Agency (U.S. EPA) and the Department. The U.S. EPA copies shall be forwarded to:

United States Environmental Protection Agency
Region III, Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, Pennsylvania 19103-2852

The Department copies shall be forwarded to:
William Weaver
wiweaver@pa.gov

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

**SECTION E. Source Group Restrictions.**

Group Name: 007

Group Description: INTERNAL COMBUSTION ENGINES

Sources included in this group

ID	Name
301	EMERGENCY ENGINE 89 HP POST 1/1/09 (KOHLER 50REZG)
303	EMERGENCY ENGINE NO. 1 228 HP POST 6/12/06 (KOHLER 150 RZGB)
305	EMERGENCY FIRE PUMP ENGINE 260 HP 1/4/10 (CLARKE JU6H-UF84)
306	EMERGENCY ENGINE NO. 4 162 HP 5/2011 (KOHLER 100 EZGD)
307	EMERGENCY FIRE PUMP ENGINE 99 HP 2017 (CLARKE JU4H-UFADJ2)
308	EMERGENCY ENGINE NO. 5 10 HP 2017 (GENERAC G006998-0)

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

001 [25 Pa. Code §123.21]

General

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05012A]

The permittee shall not allow the emission into the outdoor atmosphere of sulfur oxides from any of the Group 007 sources in a manner that the concentration of the sulfur oxides (expressed as SO₂) in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Operation Hours Restriction(s).

002 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05012A]

The permittee shall limit the total operating time of each Group 007 engine to less than 500 hours during any consecutive 12-month 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).

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 §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05012A]

(a) The permittee shall maintain records of each Group 007 source's monthly hours of operation.

(b) The permittee shall maintain records of each Group 007 source's cumulative hours of operation for each consecutive 12-month period. This is necessary to demonstrate compliance with Condition #002, above.

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

**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).

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: 008

Group Description: SPRAY PAINT BOOTHS PREVIOUSLY THE SUBJECT OF P.A. NO. 28-05012A

Sources included in this group

ID	Name
201	OVERHEAD POWER & FREE LINE - PRIME SPRAY PAINT BOOTH
203	OVERHEAD POWER & FREE LINE - TOPCOAT SPRAY PAINT BOOTH
204	TOW LINE SPRAY PAINT BOOTH

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §127.1]****Purpose.**

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05012A]

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 (PM) from each Group 008 spray paint booth in a manner that the concentration of filterable and condensable PM in the effluent gas exceeds 0.02 grain per dry standard cubic foot.

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

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

(a) The permittee shall comply with a VOC emission cap of 54.75 tons during any consecutive 12-month period for the Group 008 spray paint booths. The VOC emission cap for the Group 008 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 Group 008 spray paint booths at the facility. The Group 008 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 Group 008 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 Group 008 spray paint booths covered by the VOC emission cap, LAER shall apply to all of the Group 008 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.

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

(a) The permittee shall calculate the monthly air emissions from each Group 008 spray paint booth using material balance, AP-42 emission factors, manufacturer-supplied emission factors, or other method(s) acceptable to the Department. The permittee shall maintain records of each Group 008 spray paint booth's monthly air emissions and calculations.

(b) The permittee shall calculate the cumulative Group 008 spray paint booth air emissions for each consecutive 12-month

**SECTION E. Source Group Restrictions.**

period. The permittee shall maintain records of the cumulative Group 008 spray paint booth air emissions for each consecutive 12-month period in order to demonstrate compliance with Condition #002, above.

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

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: 009

Group Description: SOURCES SUBJECT TO 25 Pa. CODE §129.52d

Sources included in this group

ID	Name
111	PANGBORN DRUM CELL
199	CLEANUP / MISCELLANEOUS SOLVENTS
201	OVERHEAD POWER & FREE LINE - PRIME SPRAY PAINT BOOTH
203	OVERHEAD POWER & FREE LINE - TOPCOAT SPRAY PAINT BOOTH
204	TOW LINE SPRAY PAINT BOOTH
211	WASH BAY TOUCH-UP PAINTING

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.**# 001 [25 Pa. Code §129.52d]****Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings.**

25 Pa. Code §129.52d - Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings.

(a) Applicability.

(1) This section (i.e., 25 Pa. Code §129.52d) applies to the owner and operator of a miscellaneous metal part surface coating process or miscellaneous plastic part surface coating process, or both, if the total actual VOC emissions from all miscellaneous metal part coating units and miscellaneous plastic part coating units, including related cleaning activities, at the facility are equal to or greater than 2.7 tons per 12-month rolling period, before consideration of controls.

(2) [N/A - THE TOTAL ACTUAL VOC EMISSIONS FROM ALL MISCELLANEOUS METAL PART COATING UNITS AND MISCELLANEOUS PLASTIC PART COATING UNITS, INCLUDING RELATED CLEANING ACTIVITIES, AT THE FACILITY ARE EQUAL TO OR GREATER THAN 2.7 TONS PER 12-MONTH ROLLING PERIOD, BEFORE CONSIDERATION OF

**SECTION E. Source Group Restrictions.****CONTROLS]**

(3) Compliance with the VOC emission limits and other requirements of this section (i.e., 25 Pa. Code §129.52d) assures compliance with the VOC emission limits and other requirements of 25 Pa. Code §129.52 (relating to surface coating processes) for the miscellaneous metal parts and products surface coating processes as specified in 25 Pa. Code §129.52, Table I, Category 10.

(4) If an owner or operator elects to comply with 25 Pa. Code §129.52e (relating to control of VOC emissions from automobile and light-duty truck assembly surface coating operations and heavier vehicle coating operations) under 25 Pa. Code §129.52e(a)(2) or (3), then 25 Pa. Code §129.52e instead of this section (i.e., 25 Pa. Code §129.52d) applies to the separate coating line at the facility, or to the coating of a body or body part for a new heavier vehicle at the facility, or both, for which the election is made.

(5) This section (i.e., 25 Pa. Code §129.52d) does not apply to an owner or operator in the use or application of the following:

(i) Aerosol coatings that meet the requirements of 40 CFR Part 59, Subpart E (relating to National Volatile Organic Compound Emission Standards for Aerosol Coatings).

(ii) Aerospace coatings.

(iii) Architectural coatings.

(iv) Automobile refinishing coatings.

(v) Auto and light-duty truck assembly coatings.

(vi) Can, coil or magnet wire coatings.

(vii) Coating applied to a test panel or coupon, or both, in research and development, quality control or performance testing activities, if records are maintained as required under 25 Pa. Code §129.52d(e) and 25 Pa. Code §129.52d(f), below.

(viii) Fiberglass boat manufacturing materials.

(ix) Flat wood paneling coatings.

(x) Large appliance coatings.

(xi) Metal furniture coatings.

(xii) Miscellaneous industrial adhesives.

(xiii) Paper, film and foil coatings.

(xiv) Shipbuilding and repair coatings.

(xv) Wood furniture coatings.

(b) Definitions. [NOTE: See 25 Pa. Code §129.52d(b)]

(c) [N/A - THE PERMITTEE NEVER POSSESSED A RACT PERMIT ISSUED UNDER 25 Pa. Code §§129.91 - 129.95 (RELATING TO STATIONARY SOURCES OF NO_x AND VOCs)]

(d) Emission limitations. Beginning January 1, 2017, a person subject to 25 Pa. Code §129.52d(a)(1), above, may not cause or permit the emission into the outdoor atmosphere of VOCs from a miscellaneous metal part coating unit or miscellaneous plastic part coating unit, or both, unless emissions of VOCs are controlled in accordance with 25 Pa. Code

**SECTION E. Source Group Restrictions.**

§129.52d(d)(1), (2) or (3), below.

(1) Compliant materials option. The VOC content of each miscellaneous metal part coating or each miscellaneous plastic part coating, as applied, excluding water and exempt compounds, is equal to or less than the VOC content limit for the applicable coating category specified in the applicable table of VOC content limits in Tables I through V. [NOTE: THE GROUP 009 SOURCES ARE SUBJECT TO TABLE I ONLY; TABLE I IS DISPLAYED NEAR THE END OF THIS OPERATING PERMIT CONDITION.]

[NOTE: COMPLIANCE WITH PART (d)(1) [i.e., 25 Pa. Code §129.52d(d)(1)], ABOVE, ASSURES COMPLIANCE WITH THE 25 Pa. Code §127.1 BEST AVAILABLE TECHNOLOGY (BAT) VOC CONTENT LIMIT SPECIFIED IN SECTION E (GROUP 001), CONDITION #001, OF P.A. NO. 28-05012A FOR SOURCE IDs 201, 203 AND 204.]

(2) Combination of compliant materials, VOC emissions capture system and add-on air pollution control device option. The combination of one or more VOC-containing coatings, as applied, that meet the emission rate limits for the applicable coating category specified in the applicable table of emission rate limits in Tables VI through IX, and one or more VOC emissions capture systems and one or more add-on air pollution control devices that meet the requirements of 25 Pa. Code §129.52d(e)(2), below. [NOTE: THIS COMPLIANCE OPTION IS CURRENTLY NOT BEING UTILIZED BY THE PERMITTEE AND IT WOULD REQUIRE THE ISSUANCE OF A PLAN APPROVAL TO DO SO PRIOR TO ITS IMPLEMENTATION.]

(3) VOC emissions capture system and add-on air pollution control device option. The overall weight of VOCs emitted to the atmosphere is reduced through the use of vapor recovery, oxidation, incineration, or another method that is acceptable under 25 Pa. Code §129.51(a) (relating to general) and meets the requirements of 25 Pa. Code §129.52d(e)(2), below. The overall control efficiency of a control system, as determined by the test methods and procedures specified in Chapter 139 (relating to sampling and testing), may be no less than 90%. [NOTE: THIS COMPLIANCE OPTION IS CURRENTLY NOT BEING UTILIZED BY THE PERMITTEE AND IT WOULD REQUIRE THE ISSUANCE OF A PLAN APPROVAL TO DO SO PRIOR TO ITS IMPLEMENTATION.]

(4) Least restrictive VOC limit. If more than one VOC content limit or VOC emission rate limit applies to a specific coating, then the least restrictive VOC content limit or VOC emission rate limit applies.

(5) Coatings not listed in Table I, II, VI or VII. For a miscellaneous metal part or miscellaneous plastic part coating that does not meet the coating categories listed in Table I, II, VI or VII, the VOC content limit or VOC emission rate limit shall be determined by classifying the coating as a "general one-component" coating or "general multi-component" coating. The corresponding "general one-component" coating or "general multi-component" coating limit applies.

(6) [N/A - THE SURFACE COATINGS USED AT THE THE GROUP 009 SOURCES ARE NOT "PLEASURE CRAFT" SURFACE COATINGS; THEREFORE, TABLES IV AND IX ARE NOT APPLICABLE]

(e) Compliance and monitoring requirements.

(1) All owners and operators. Regardless of the facility's VOC emissions, the owner or operator of a miscellaneous metal part surface coating process or miscellaneous plastic part surface coating process, or both, subject to 25 Pa. Code §129.52d(a)(1) or (a)(2), above, shall comply with this section (i.e., 25 Pa. Code §129.52d) as specified throughout this section (i.e., 25 Pa. Code §129.52d). For an owner or operator subject only to 25 Pa. Code §129.52d(a)(2), above, the compliance requirements are the recordkeeping requirements in 25 Pa. Code §129.52d(f)(2), below.

(2) [N/A - 25 Pa. Code §129.52d(d)(2)&(3), ABOVE, ARE CURRENTLY NOT APPLICABLE; BOTH OF THESE COMPLIANCE OPTIONS WOULD REQUIRE THE ISSUANCE OF A PLAN APPROVAL TO DO SO PRIOR TO THEIR IMPLEMENTATION]

(f) Recordkeeping and reporting requirements.

(1) The owner or operator of a miscellaneous metal part coating unit or miscellaneous plastic part coating unit, or both, subject to 25 Pa. Code §129.52d(a)(1), above, shall maintain monthly records sufficient to demonstrate compliance with this section (i.e., 25 Pa. Code §129.52d). The records must include the following information:

(i) The following parameters for each coating, thinner, component and cleaning solvent as supplied:

**SECTION E. Source Group Restrictions.**

- (A) Name and identification number of the coating, thinner, other component or cleaning solvent.
- (B) Volume used.
- (C) Mix ratio.
- (D) Density or specific gravity.
- (E) Weight percent of total volatiles, water, solids and exempt solvents.
- (F) Volume percent of total volatiles, water and exempt solvents for the applicable table of limits in Tables I through V.
- (G) [N/A - THE GROUP 009 SOURCES ARE NOT SUBJECT TO TABLES VI THROUGH IX]
- (ii) The VOC content of each coating, thinner, other component and cleaning solvent as supplied.
- (iii) The VOC content of each as applied coating or cleaning solvent.
- (iv) The calculations performed for each applicable requirement under 25 Pa. Code §129.52d(d) and (e), above.
- (v) [N/A - 25 Pa. Code §129.52d(e)(2), ABOVE, IS CURRENTLY NOT APPLICABLE]

[NOTE: COMPLIANCE WITH PART (f)(1) [i.e., 25 Pa. Code §129.52d(f)(1)], ABOVE, ASSURES COMPLIANCE WITH THE SURFACE COATING RECORDKEEPING REQUIREMENTS THAT WERE SPECIFIED IN SECTION E (GROUP 001), CONDITION #007, OF P.A. NO. 28-05012A FOR SOURCE IDs 201, 203 AND 204.]

(2) An owner or operator subject to 25 Pa. Code §129.52d(a)(2), above, or otherwise claiming an exemption or exception in this section (i.e., 25 Pa. Code §129.52d), shall maintain records sufficient to verify the applicability of 25 Pa. Code §129.52d(a)(2), above, or the exemption or exception. Records maintained for compliance demonstrations may include purchase, use, production and other records.

(3) The records shall be maintained on-site for 2 years, unless a longer period is required by an order, plan approval or operating permit issued under Chapter 127 (relating to construction, modification, reactivation and operation of sources).

(4) The records shall be submitted to the Department in an acceptable format upon receipt of a written request from the Department.

(g) Coating application methods. A person subject to 25 Pa. Code §129.52d(a)(1), above, may not cause or permit the emission into the outdoor atmosphere of VOCs from a miscellaneous metal part coating unit or miscellaneous plastic part coating unit, or both, unless the coatings are applied using one or more of the following coating application methods:

- (1) Electrostatic coating.
- (2) Flow coating.
- (3) Dip coating, including electrodeposition.
- (4) Roll coating.
- (5) High volume-low pressure (HVL) spray coating.
- (6) Airless spray coating.
- (7) Air-assisted airless spray coating.
- (8) Other coating application method if approved in writing by the Department prior to use.

**SECTION E. Source Group Restrictions.**

(i) The coating application method must be capable of achieving a transfer efficiency equivalent to or better than that achieved by HVLP spray coating.

(ii) The owner or operator shall submit the request for approval to the Department in writing.

[NOTE: COMPLIANCE WITH PART (g) [i.e., 25 Pa. Code §129.52d(g)], ABOVE, ASSURES COMPLIANCE WITH THE 25 Pa. Code §127.1 BEST AVAILABLE TECHNOLOGY (BAT) SURFACE COATING APPLICATION METHOD REQUIREMENT SPECIFIED IN SECTION E (GROUP 001), CONDITION #012, OF P.A. NO. 28-05012A FOR SOURCE IDs 201, 203 AND 204.]

(h) Exempt coatings and exempt coating unit operations.

(1) The requirements of 25 Pa. Code §129.52d(d) and (g), above, do not apply to the application of the following coatings to a metal part:

(i) Stencil coating.

(ii) Safety-indicating coating.

(iii) Solid-film lubricant.

(iv) Electric-insulating and thermal-conducting coating.

(v) Magnetic data storage disk coating.

(vi) Plastic extruded onto metal parts to form a coating.

(vii) Powder coating.

(2) [N/A - THE SURFACE COATINGS USED AT THE THE GROUP 009 SOURCES ARE NOT "PLASTIC PART" SURFACE COATINGS]

(3) [N/A - THE SURFACE COATINGS USED AT THE THE GROUP 009 SOURCES ARE NOT "AUTOMOTIVE-TRANSPORTATION OR BUSINESS MACHINE PART" SURFACE COATINGS]

(4) The requirements of 25 Pa. Code §129.52d(g), above, do not apply to the following activities:

(i) Application of a touch-up coating, repair coating or textured finish to a metal part.

(ii) [N/A - THE GROUP 009 SOURCES DO NOT APPLY POWDER COATINGS; ALSO, THE SUBSTRATES USED BY THE GROUP 009 SOURCES DO NOT INCLUDE THE FOLLOWING: "PLASTIC PART"; "AUTOMOTIVE-TRANSPORTATION PLASTIC PART"; OR BUSINESS MACHINE PLASTIC PART"]

(iii) Airbrush application of coating to a metal part or plastic part using no more than 5 gallons of coating per year.

(iv) [N/A - 25 Pa. Code §129.52d(d)(2)&(3), ABOVE, ARE CURRENTLY NOT APPLICABLE; BOTH OF THESE COMPLIANCE OPTIONS WOULD REQUIRE THE ISSUANCE OF A PLAN APPROVAL TO DO SO PRIOR TO THEIR IMPLEMENTATION]

(v) [N/A - THE SURFACE COATINGS USED AT THE THE GROUP 009 SOURCES ARE NOT "PLEASURE CRAFT" SURFACE COATINGS]

(i) Work practice requirements for coating-related activities. The owner or operator of a miscellaneous metal part coating unit or miscellaneous plastic part coating unit, or both, subject to 25 Pa. Code §129.52d(a)(1), above, shall comply with the following work practices for coating-related activities:

(1) Store all VOC-containing coatings, thinners or coating-related waste materials in closed containers.

**SECTION E. Source Group Restrictions.**

(2) Ensure that mixing and storage containers used for VOC-containing coatings, thinners or coating-related waste materials are kept closed at all times, except when depositing or removing these coatings, thinners or waste materials.

(3) Minimize spills of VOC-containing coatings, thinners or coating-related waste materials and clean up spills immediately.

(4) Convey VOC-containing coatings, thinners or coating-related waste materials from one location to another in closed containers or pipes.

[NOTE: COMPLIANCE WITH PART (i) [i.e., 25 Pa. Code §129.52d(i)], ABOVE, ASSURES COMPLIANCE WITH THE 25 Pa. Code §127.1 BEST AVAILABLE TECHNOLOGY (BAT) WORK PRACTICE REQUIREMENTS THAT WERE SPECIFIED IN SECTION E (GROUP 001), CONDITION #011, OF P.A. NO. 28-05012A FOR SOURCE IDs 201, 203 AND 204.]

(j) Work practice requirements for cleaning materials. The owner or operator of a miscellaneous metal part coating unit or miscellaneous plastic part coating unit subject to 25 Pa. Code §129.52d(a)(1), above, shall comply with the following work practices for cleaning materials:

(1) Store all VOC-containing cleaning materials and used shop towels in closed containers.

(2) Ensure that mixing vessels and storage containers used for VOC-containing cleaning materials are kept closed at all times except when depositing or removing these materials.

(3) Minimize spills of VOC-containing cleaning materials and clean up spills immediately.

(4) Convey VOC-containing cleaning materials from one location to another in closed containers or pipes.

(5) Minimize VOC emissions from cleaning of application, storage, mixing or conveying equipment by ensuring that equipment cleaning is performed without atomizing the cleaning solvent and all spent solvent is captured in closed containers.

[NOTE: COMPLIANCE WITH PART (j) [i.e., 25 Pa. Code §129.52d(j)], ABOVE, ASSURES COMPLIANCE WITH THE 25 Pa. Code §127.1 BEST AVAILABLE TECHNOLOGY (BAT) WORK PRACTICE REQUIREMENTS THAT WERE SPECIFIED IN SECTION E (GROUP 001), CONDITION #011, OF P.A. NO. 28-05012A FOR SOURCE IDs 201, 203 AND 204.]

(k) Measurements and calculations. To determine the properties of a coating or component used in a miscellaneous metal parts surface coating process or miscellaneous plastic parts surface coating process, measurements and calculations shall be performed according to one or more of the following:

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

(2) Manufacturer's formulation data.

(3) Sampling and testing done in accordance with the procedures and test methods specified in Chapter 139.

(4) Other test method(s) demonstrated to provide results that are acceptable for purposes of determining compliance with this section (25 Pa. Code §129.52d) if prior approval is obtained in writing from the Department.

(5) [N/A - NONE OF THE GROUP 009 SOURCES ARE CURRENTLY EQUIPPED WITH AN ADD-ON AIR POLLUTION CONTROL DEVICE; THE INSTALLATION OF AN ADD-ON AIR POLLUTION CONTROL DEVICE WOULD REQUIRE THE ISSUANCE OF A PLAN APPROVAL PRIOR TO ITS INSTALLATION]

(6) EPA calculations information in the following:

(i) A Guideline for Surface Coating Calculations, EPA-340/1-86-016, including updates and revisions.

(ii) Procedures for Certifying Quantity of Volatile Organic Compounds Emitted by Paint, Ink, and Other Coatings, EPA-

**SECTION E. Source Group Restrictions.**

450/3-84-019, including updates and revisions.

[NOTE: COMPLIANCE WITH PART (k) [i.e., 25 Pa. Code §129.52d(k)], ABOVE, ASSURES COMPLIANCE WITH THE SURFACE COATING/COMPONENT TESTING OPTIONS THAT WERE SPECIFIED IN SECTION E (GROUP 001), CONDITION #004, OF P.A. NO. 28-05012A FOR SOURCE IDs 201, 203 AND 204.]

Table I - VOC Content Limits for Metal Parts and Products Surface Coatings (Weight of VOC per Volume of Coating, Less Water and Exempt Compounds, as Applied)*

Coating Category	Air-Dried	Air Dried	Baked	Baked
	(Kg VOC/L coating)	(lb VOC/gal coating)	(Kg VOC/L coating)	(lb VOC/gal coating)
General One-component	0.34	2.8	0.28	2.3
General Multi-component	0.34	2.8	0.28	2.3
Camouflage	0.42	3.5	0.42	3.5
Electric-insulating Varnish	0.42	3.5	0.42	3.5
Etching Filler	0.42	3.5	0.42	3.5
Extreme High-gloss	0.42	3.5	0.36	3.0
Extreme Performance	0.42	3.5	0.36	3.0
Heat-resistant	0.42	3.5	0.36	3.0
High-performance Architectural	0.74	6.2	0.74	6.2
High-temperature	0.42	3.5	0.42	3.5
Metallic	0.42	3.5	0.42	3.5
Military Specification	0.34	2.8	0.28	2.3
Mold-seal	0.42	3.5	0.42	3.5
Pan-backing	0.42	3.5	0.42	3.5
Prefabricated Architectural Multi-component	0.42	3.5	0.28	2.3
Prefabricated Architectural One-component	0.42	3.5	0.28	2.3
Pretreatment	0.42	3.5	0.42	3.5
Touch-up and Repair	0.42	3.5	0.36	3.0
Silicone-release	0.42	3.5	0.42	3.5
Solar-absorbent	0.42	3.5	0.36	3.0
Vacuum-metalizing	0.42	3.5	0.42	3.5
Drum Coating, New, Exterior	0.34	2.8	0.34	2.8
Drum Coating, New, Interior	0.42	3.5	0.42	3.5
Drum Coating, Reconditioned, Exterior	0.42	3.5	0.42	3.5
Drum Coating, Reconditioned, Interior	0.50	4.2	0.50	4.2

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

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

where:

VOC = VOC content expressed in units of pounds VOC per gallon coating

Wo = weight percent of VOC (Wv - Ww - Wex)

Wv = weight percent of total volatiles (100% - 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



SECTION E. Source Group Restrictions.

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

**SECTION E. Source Group Restrictions.**

Group Name: 010

Group Description: RACT 2 case-by-case requirements

Sources included in this group

ID	Name
199	CLEANUP / MISCELLANEOUS SOLVENTS

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.**# 001 [25 Pa. Code §129.99]****Alternative RACT proposal and petition for alternative compliance schedule.**

Source 199 shall comply with the work practice requirements for cleaning materials found at 25 Pa.Code Section 129.52d(j).

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: 011

Group Description: Presumptive RACT II and III Sources

Sources included in this group

ID	Name
301	EMERGENCY ENGINE 89 HP POST 1/1/09 (KOHLER 50REZG)
303	EMERGENCY ENGINE NO. 1 228 HP POST 6/12/06 (KOHLER 150 RZGB)
305	EMERGENCY FIRE PUMP ENGINE 260 HP 1/4/10 (CLARKE JU6H-UF84)
306	EMERGENCY ENGINE NO. 4 162 HP 5/2011 (KOHLER 100 EZGD)
307	EMERGENCY FIRE PUMP ENGINE 99 HP 2017 (CLARKE JU4H-UFADJ2)
308	EMERGENCY ENGINE NO. 5 10 HP 2017 (GENERAC G006998-0)
401	PAINT LINE NATURAL GAS-FIRED PROCESSES

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

- (a) The permittee shall maintain a copy of manufacturer's specifications of each Group 011 source.
- (b) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.
- (c) The permittee shall operate and maintain each Group 011 Source in accordance with the manufacturer's specifications and with good operating practices for the control of VOC emissions.

[Emergency Engines: Compliance with this streamlined operating permit condition assures compliance with the presumptive RACT requirements specified in 25 Pa. Code §129.93(c)(5), 25 Pa. Code §129.97(c)(8), 25 Pa. Code §129.100(d)&(j), and 25 Pa. Code §129.112(c)(10)]

Paint Line Natural Gas-Fired Processes: Compliance with this streamlined operating permit condition assures compliance with 25 Pa. Code §129.97(c)(2)&(3), 25 Pa. Code §129.100(d)&(j) and 25 Pa Code §129.112(c)(2).

Compliance with this streamlined operating permit condition assures compliance with the 25 Pa. Code §127.1 Best Available Technology (BAT) work practice requirement specified in Section D (Source ID 401), Condition #007, of P.A. No.

**SECTION E. Source Group Restrictions.**

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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 F. Alternative Operation Requirements.**

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

NOTE: The capacities/throughputs listed in Section A are for informational use only and should not be used as enforceable limitations.

The following activities have been exempted from work practice standards, and testing, monitoring, record keeping, and reporting requirements:

1. Air conditioning and ventilation systems (includes space heaters and air make-up units; excludes air make-up units associated with Source ID 401)
2. Office equipment (copiers, printers, fax machines, etc.)
3. Janitorial equipment
4. Plant maintenance (woodworking, paving, cleaning, etc.)
5. Mobile sources (trucks, forklifts, snowblowers, etc.)
6. Fuel oil, gasoline, propane and other storage tanks
7. Materials handling and storage
8. R&D sources and activities
9. Electric machine tools
10. Alkaline degreaser(s)
11. Test room fueling
12. Burnham Natural Gas fired boiler, 1.01 mmBtu/hr.
13. Portable abrasive blaster.

Source ID 211 Wash Bay Touch-Up Painting:

This source encompasses touch-up spray painting in the Wash Bay, which is determined to be insignificant and exempt from plan approval by RFD, nonetheless is subject to metal coating regulations. The touch-up painting has a PTE of less than 2.7 tpy.

The following serves as a description of some of the Source IDs:

Source IDs 110, 111, 199, 201, 203, 204, 220, 301, and 401 were previously the subject of Plan Approval No. 28-05012A.

RFD*Online RFD #2090 (plan approval exemption approved 4/13/2011) addressed the installation of a cartridge collector (Source ID C151) to control PM emissions from some of the previously uncontrolled welding operations that are part of Source ID 151.

RFD online:

- On 11/30/2017: RFD # 6740 was approved for replacement the air control device (C220) of Source ID 220 to a new air control device (C220A).
- On 2/12/2018: RFD # 6797 was approved for replacement of existing Source ID 304, emergency generator to new Source ID 308.
- On 2/27/2018: RFD # 6796 was approved for replacement of existing Source ID 305, emergency fire pump to new Source ID 307 (Note: The letter corrected RFD # 6797 which replaced Source ID 302 instead Source ID 305 date on 12/26/2018).

List of Additional Responsible Officials for the Shippensburg Plant:

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***** End of Report *****
