COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: November 1, 2022 Effective Date: November 1, 2022

Expiration Date: October 31, 2027

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

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

TITLE V Permit No: 25-00025

Federal Tax Id - Plant Code: 83-0598308-4

Owner Information

Name: WABTEC US RAIL INC (DBA GE TRANSPORTATION, A WABTEC CO)
Mailing Address: BLDG 9 RM 201
2901 E LAKE RD
ERIE, PA 16531-0001

Plant Information

Plant: GE TRANSPORTATION/ERIE PLT
Location: 25 Erie County 25805 Lawrence Park Township
SIC Code: 3743 Manufacturing - Railroad Equipment

Responsible Official

Name: JOSEPH CAVALIER
Title: ERIE PLANT MGR
Phone: (814) 875 - 4158 Email: joseph.cavalier@wabtec.com

Permit Contact Person

Name: STEPHANIE SIFORD
Title: ENVIRONMENTAL MGR
Phone: (814) 875 - 4158 Email: stephanie.siford@wabtec.com

[Signature] _____

ERIC A. GUSTAFSON, NORTHWEST REGION AIR PROGRAM MANAGER

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SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput		Fuel/Material
036	BOILER 4	98.600	MMBTU/HR	
		98.600	MCF/HR	Natural Gas
037	BOILER 7	98.600	MMBTU/HR	
		98.600	MCF/HR	Natural Gas
038	BOILER 8	98.600	MMBTU/HR	
		98.600	MCF/HR	Natural Gas
040	MISCELLANEOUS SMALL COMBUSTION SOURCES	9.900	MMBTU/HR	
		9.900	MCF/HR	Natural Gas
042	BOILER #6	95.000	MMBTU/HR	
		95.000	MCF/HR	Natural Gas
110	ANNEALING OVEN, ELECTRIC, (6-MS1-A-7)	1.000	Gal/HR	WD-4100 LUBE FLUID
121	NATURAL GAS MOBILE FUELING SYSTEM	1.000	CF/HR	Natural Gas
140	CAB PREP AND PAINTING (7-G-25)	36.000	Gal/HR	PAINT
177	VPI OPERATIONS (6-B-7 & 6-C-7)	2.000	Gal/HR	VARNISH
178	VPI OPERATIONS (6-C-19)	3.000	Gal/HR	VARNISH
181	VARNISH DIP & CURING (6-ANNEX-A-7)	1.000	Gal/HR	COATING
182	VARNISH APPLICATION SYSTEMS (6-A-15; 6-D-13)(MOBILE)	1.000	Gal/HR	VARNISH & SOLVENTS
315	LOCO PLATFORM PAINT BOOTH (9D)	14.000	Gal/HR	PAINT
345	BUILDING 10 PAINT BOOTHS	1.000	Gal/HR	PAINT
359	BLDG 4E TEST CELL #1	390.000	Gal/HR	DIESEL, MARINE DIESEL
		51.540	MCF/HR	LNG, CNG, NG
361	BLDG 4E TEST CELL #3	390.000	Gal/HR	ULTRA LOW SULFUR DIE
		51.540	MCF/HR	LNG, CNG, NG
364	AREA 10K TEST CELL #1	390.000	Gal/HR	ULTRA LOW SULFUR DIE
		51.540	MCF/HR	LNG, CNG, NG
368	PAINT BOOTH (18-A-35)	1.000	Gal/HR	PAINT
369	PAINT BOOTH BAY (18-B-36)	1.000	Gal/HR	PAINT
372	ENGINE TEST LAB, 7 TEST CELLS (A-G) (BLDG 18E)	300.000	Gal/HR	DIESEL, MARINE DIESEL
373	4 TEST CAR DIESEL GENERATORS, 108 KW, 145 HP (BLDG 60)	3.000	Gal/HR	DIESEL FUEL
510	COOLING TOWER BLDG 22D	180,000.000	Gal/HR	WATER
511	COOLING TOWER (10J)	52,800.000	Gal/HR	WATER
512	MECHANICAL DRAFT COOLING TOWER NEXT TO BLDG 4E	324,000.000	Gal/HR	WATER
603	PAINT BOOTH (2-C-36)	1.500	Gal/HR	PAINT
620	COMMUTATOR LATHES (6-1-E-9)	1.000	Lbs/HR	METAL PARTS
631	COMMUTATOR LATHES (6-1-E-4)	2.000	Tons/HR	MICA, COPPER
634	VPI OPERATIONS (6-A-A20 LT)	1.000	Gal/HR	COATING
671	PAINT BOOTH (6-A-31)	2.000	Gal/HR	PRIMER
672	PAINT BOOTH (BLDG 6 BAY C COLUMN 27)	1.000	Gal/HR	PAINT
673	PAINT BOOTH (6-B-31)	1.000	Gal/HR	PAINT & SOLVENTS
942	MISCELLANEOUS MACHINING & GRINDING	1.000	Tons/HR	METAL

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput		Fuel/Material
945	INDUSTRIAL CLEANING SOLVENTS USAGE	1.000	Lbs/HR	SOLVENTS
946	COLD CLEANERS/DEGREASER	1.000	Lbs/HR	SOLVENT
948	EMERGENCY GENERATOR BLDG 5 MEZ, EAST END (30KW)	402.000	CF/HR	NATURAL GAS
950	EMERGENCY GENERATOR BLDG 7 LOADING DOCK AREA (75 KW)	1,010.000	CF/HR	NATURAL GAS
951	EMERGENCY GENERATOR BLDG 24, INSIDE SW CORNER (30 KW)	402.000	CF/HR	NATURAL GAS
952	EMERGENCY GENERATOR BLDG 63 MEZ. ABOVE MAINT. (50 KW)	670.000	CF/HR	NATURAL GAS
953	EMERGENCY GENERATOR BEHIND BLDG 9; SW CORNER (66 HP)	402.000	CF/HR	NATURAL GAS
954	EMERGENCY GENERATOR WEST SIDE BLDG 2 (60 KW)	804.000	CF/HR	NATURAL GAS
955	EMERG GENERATOR MAIN GATE BEHIND GUARD 2D (60 KW 98 HP) GAS	809.000	CF/HR	NATURAL GAS
956	EMERGENCY GENERATOR WEST SIDE BLDG 10 (75 KW)	1,010.000	CF/HR	NATURAL GAS
957	EMERGENCY GENERATOR EAST SIDE BLDG 26 (40 KW)	540.000	CF/HR	NATURAL GAS
958	EMERGENCY GENERATOR BEHIND BLDG 14 (100 KW)	1,340.000	CF/HR	NATURAL GAS
959	EMERGENCY GENERATOR EAST SIDE BLDG 18 (100 KW)	1,340.000	CF/HR	NATURAL GAS
960	EMERGENCY GENERATOR EAST SIDE BLDG 42 (75 KW)	1,010.000	CF/HR	NATURAL GAS
962	EMERGENCY GENERATOR BLDG 12 NW CORNER (75 KW)	1,010.000	CF/HR	NATURAL GAS
964	EMERG. GENERATOR BLDG 4 MIDDLE FRONT AREA (60 KW 97 HP) GAS	940.000	CF/HR	NATURAL GAS
965	EMERG GENERATOR BLDG 51 MIDDLE EAST AREA (131.3KW 176HP) GAS	340.000	CF/HR	NATURAL GAS
966	EMERGENCY GENERATOR BLDG 50 MIDDLE SOUTH AREA (40 KW)	540.000	CF/HR	NATURAL GAS
968	MISC VOC EMISSION SOURCES	0.002	Tons/HR	
969	EMERGENCY GENERATOR SE CORNER BLDG 9 (500 KW, 750 HP DIESEL)	1.000	Gal/HR	DIESEL FUEL
970	EMERGENCY WATER PUMP GENERATOR E OF 19A YARD (610 HP DIESEL)	27.500	Gal/HR	DIESEL FUEL
971	EMERGENCY GENERATOR, WWTP BLDG 13B (400 KW, 755 HP, DIESEL)	112.000	Gal/HR	DIESEL
972	EMERGENCY GENERATOR AT 4H (150 KW, 230 HP, DIESEL)	11.300	Gal/HR	DIESEL
973	EMERG. GENERATOR BLDG 6 WEST SUB 6-L (100KW 114HP) NAT GAS	1,090.000	CF/HR	Natural Gas
974	EMERGENCY GENERATOR BLDG 20 (70 BHP) NATURAL GAS	519.000	CF/HR	Natural Gas
980	BUILDING 6 PAINT BOOTH (BAY C - COLUMNS 12 & 13)	1.000	Gal/HR	PAINT
981	ELECTRO-COAT DIP PAINTING (BDLG 7)	11.000	Gal/HR	COATING
982	WET PAINT BOOTH (BDLG 7)	0.750	Gal/HR	COATING
983	HAND APPLICATION OF COATINGS	5.000	Gal/HR	COATINGS
C345	PANEL FILTERS			
C359A	CLOUD CHAMBER SCRUBBER (CCS) FOR BLDG 4E TEST CELL #1			

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
C359B	OXIDATION CATALYST FOR BLDG 4E TEST CELL #1		
C359C	TRI MER SCR FOR BLDG 4E TEST CELL #1		
C361AA	DRY FILTER SYSTEM FOR BLDG 4E TEST CELL #3		
C361B	OXIDATION CATALYST FOR BLDG 4E TEST CELL #3		
C361C	JOHNSON MATTHEY SCR FOR BLDG 4E TEST CELL #3		
C364AA	DRY FILTER SYSTEM FOR AREA 10K TEST CELL #1		
C364B	OXIDATION CATALYST FOR AREA 10K TEST CELL #1		
C364C	JOHNSON MATTHEY SCR FOR AREA 10K TEST CELL #1		
C369	PANEL FILTERS		
C60	PANEL FILTERS FOR CAB PREP & PAINTING SOURCE 140 & STACK S60		
C620	COMMUTATOR LATHES DUST COLLECTOR		
C631	N ROTO CLONE		
C672	BLDG 6 BAY C PAINT BOOTH DRY FILTER		
C673	PAINT BOOTH FILTER		
C942	MISC DUST COLLECTOR		
C980	BUILDING 6 PAINT BOOTH DRY FILTER		
C982	FABRIC FILTERS		
D15	PANEL FILTERS FOR PAINT BOOTH SOURCE 315 AND STACKS T15, T16		
D64	PANEL FILTERS FOR PAINT BOOTH SOURCE 368 AND STACK T73		
G02	PANEL FILTER FOR PAINT BOOTH 2-C-36 SOURCE 603 AND STACK W02		
G71	PANEL FILTERS FOR PAINT BOOTH SOURCE 671 & STACK W71		
FML01	LOCOMOTIVE DIESEL FUEL		
FML02	MARINE DIESEL FUEL		
FML04	ULTRA LOW SULFUR DIESEL		
FML05	NATURAL GAS		
FML06	LIQUID NATUAL GAS (LNG)		
FML07	COMPRESSED NATURAL GAS (CNG)		
FML08	HYDROGEN GAS FUEL		
S036	BOILER 4 STACK		
S037	BOILER 7 STACK		
S038	BOILER 8 STACK		
S040	MISC COMB STACK		
S042	BOILER #6 STACK		
S178	STACK FROM VPI OPERATIONS (6-C-19)		
S345	BLDG 10 PAINT BOOTH STACK		
S359	STACK FOR BLDG 4E TEST CELL #1		
S361	STACK FOR BLDG 4E TEST CELL #3		

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S364	STACK FOR AREA 10K TEST CELL #1		
S373	STACKS FOR CUMMINS GENERATORS FOR TEST CARS (BLDG 60)		
S60	BOOTH 7-G-25 STACK FOR PAINT BOOTH SOURCE 140 & FILTERS C60		
S620	COMMUTATOR LATHES DUST COLLECTOR STACK		
S631	N ROTO CLONE STACK		
S634	STACK FOR VPI OPERATIONS (6-A-A20 LT)		
S672	BLDG 6 BAY C PAINT BOOTH STACK		
S673	BOOTH 6-B-31 STACK		
S93	VARNISH DIP 6-B-7 STACK FOR VPI OPERATIONS SOURCE 177		
S942	MISC GRINDING STACK		
S948	EMERGENCY GENERATOR 948 STACK		
S950	EMERGENCY GENERATOR 950 STACK		
S951	EMERGENCY GENERATOR 951 STACK		
S952	EMERGENCY GENERATOR 952 STACK		
S953	EMERGENCY GENERATOR 953 STACK		
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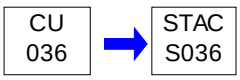
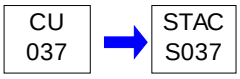
S965	EMERGENCY GENERATOR 965 STACK		
S966	EMERGENCY GENERATOR 966 STACK		
S969	EMERGENCY GENERATOR 969 STACK		
S970	EMERGENCY GENERATOR 970 STACK		
S971	EMERGENCY GENERATOR 971 STACK		
S972	EMERGENCY GENERATOR 972 STACK		
S973	EMERGENCY GENERATOR 973 STACK		
S974	EMERGENCY GENERATOR 974 STACK		
S980	BUILDING 6 PAINT BOOTH STACK		
S981	ELECTRO-COAT DIP PAINTING OPERATION STACK		
S982	WET PAINT BOOTH STACK		
T15	BOOTH 9D STACK FROM SOURCE 315 AND CONTROL DEVICE D15		
T16	BOOTH 9D STACK FROM SOURCE 315 AND CONTROL DEVICE D15		
T73	BOOTH 18-A-35 STACK FROM SOURCE 368 AND CONTROL DEVICE D64		

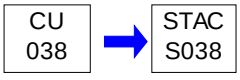
SECTION A. Site Inventory List

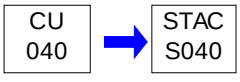
Source ID	Source Name	Capacity/Throughput	Fuel/Material
T76	DIESEL ENGINE TEST STACK FOR TEST LAB SOURCE 372		
T77	DIESEL ENGINE TEST STACK FOR TEST LAB SOURCE 372		
T78	DIESEL ENGINE TEST STACK FOR TEST LAB SOURCE 372		
T79	POINT OF AIR EMISSION FROM TEST LAB SOURCE 372		
T80	POINT OF AIR EMISSION FROM TEST LAB SOURCE 372		
T81	POINT OF AIR EMISSION FROM TEST LAB SOURCE 372		
T82	POINT OF AIR EMISSION FROM TEST LAB SOURCE 372		
W02	BOOTH 2-C-36 STACK FOR SOURCE 603 & PANEL FILTER G02		
W71	BOOTH 6-A-31 STACK FOR PAINT BOOTH SOURCE 671 & CONTROL G71		
X02	PAINT BOOTH BAY STACK FROM SOURCE 369 AND CONTROL C369		
Z110	FUGITIVES FROM ELECTRIC ANNEALING OVEN (6-MS1-A-7)		
Z121	FUGITIVES FROM NATURAL GAS MOBILE FUELING SYSTEM		
Z181	FUGITIVES FROM VARNISH DIP & CURING (6-ANNEX-A-7)		
Z182	FUGITIVES FROM VARNISH APPLICATION (6-A-15; 6-D-13)(MOBILE)		
Z510	FUGITIVES FROM COOLING TOWER BLDG 22D		
Z511	FUGITIVES FROM COOLING TOWER AT 10J		
Z512	FUGITIVES FROM COOLING TOWER NEXT TO BLDG 4E		
Z73	MISC VOC FUGITIVE EMISSIONS FROM MISC VOC SOURCES 968		
Z945	FUGITIVES FROM USE OF INDUSTRIAL CLEANING SOLVENTS		
Z946	FUGITIVES FROM COLD CLEANER / DEGREASER		
Z983	FUGITIVE VOC'S FROM HAND APPLICATION OF COATINGS		

PERMIT MAPS

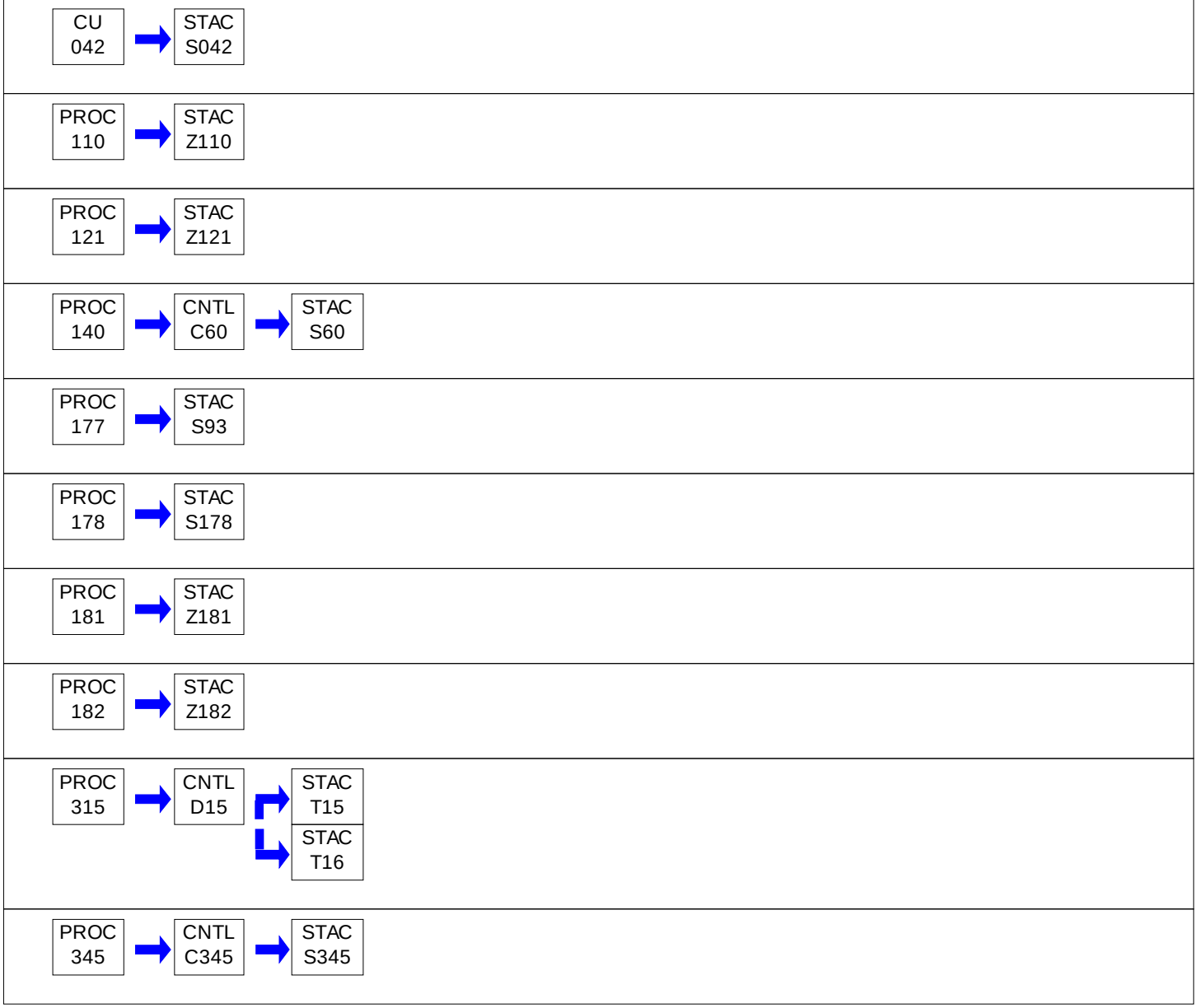








PERMIT MAPS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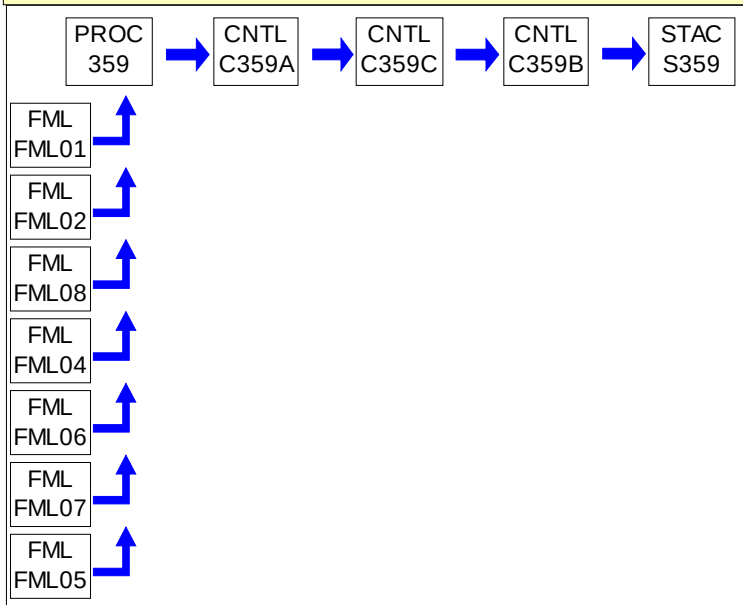
PROC 178
STAC S178
PROC 181
STAC Z181
PROC 182
STAC Z182
PROC 315
CNTL D15
STAC T15
STAC T16
PROC 345
CNTL C345
STAC S345

PERMIT MAPS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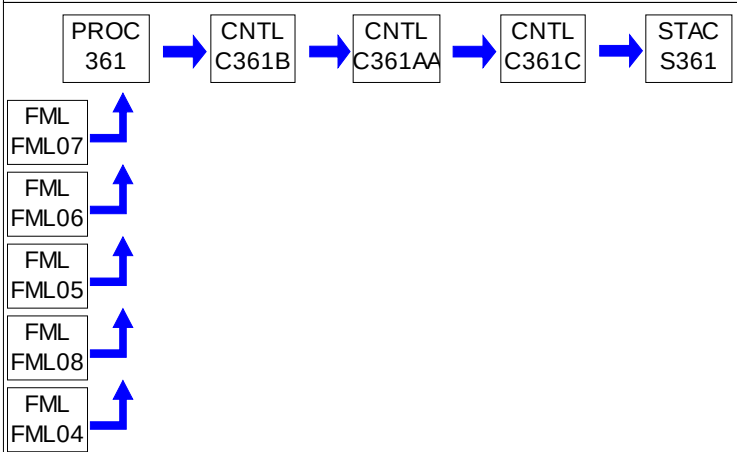
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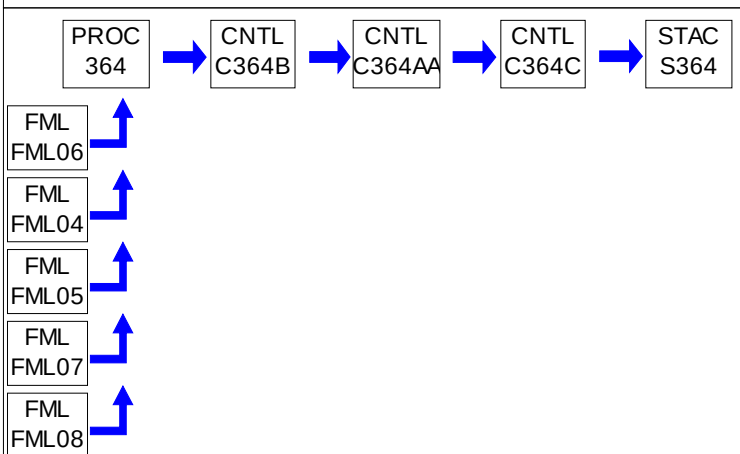
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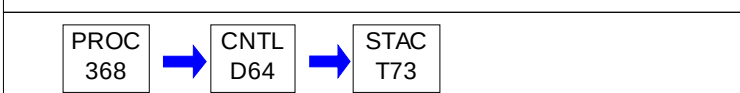
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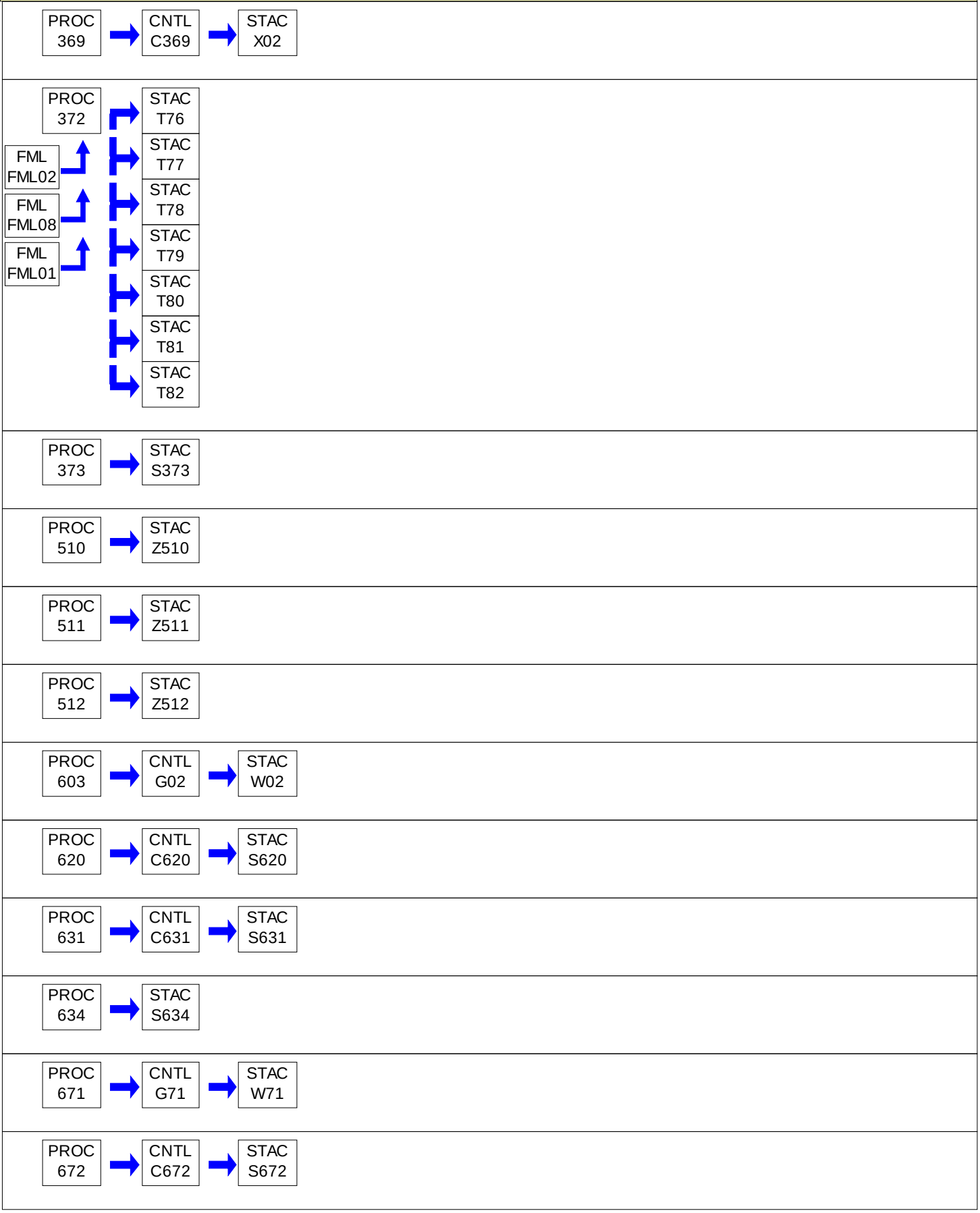
STAC T73

PERMIT MAPS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STAC T80
STAC T81
STAC T82
PROC 373
STAC S373
PROC 510
STAC Z510
PROC 511
STAC Z511
PROC 512
STAC Z512
PROC 603
CNTL G02
STAC W02
PROC 620
CNTL C620
STAC S620
PROC 631
CNTL C631
STAC S631
PROC 634
STAC S634
PROC 671
CNTL G71
STAC W71
PROC 672
CNTL C672
STAC S672

PERMIT MAPS

PROC 673	CNTL C673	STAC S673
PROC 942	CNTL C942	STAC S942
PROC 945	STAC Z945	
PROC 946	STAC Z946	
PROC 948	STAC S948	
PROC 950	STAC S950	
PROC 951	STAC S951	
PROC 952	STAC S952	
PROC 953	STAC S953	
PROC 954	STAC S954	
PROC 955	STAC S955	
PROC 956	STAC S956	
PROC 957	STAC S957	
PROC 958	STAC S958	
PROC 959	STAC S959	

PERMIT MAPS

PROC 960	→ STAC S960	
PROC 962	→ STAC S962	
PROC 964	→ STAC S964	
PROC 965	→ STAC S965	
PROC 966	→ STAC S966	
PROC 968	→ STAC Z73	
PROC 969	→ STAC S969	
PROC 970	→ STAC S970	
PROC 971	→ STAC S971	
PROC 972	→ STAC S972	
PROC 973	→ STAC S973	
PROC 974	→ STAC S974	
PROC 980	→ CNTL C980	→ STAC S980
PROC 981	→ STAC S981	
PROC 982	→ CNTL C982	→ STAC S982

PERMIT MAPS

PROC	STAC
983	Z983

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 NOx from a single source during the term of the permit and 5 tons of NOx 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

SECTION B. General Title V Requirements

phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

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

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

Submissions

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

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

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

Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch (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 § 127.513]

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

SECTION B. General Title V Requirements

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.

#025 [25 Pa. Code §§ 127.511 & Chapter 135]

Recordkeeping Requirements

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

(1) The date, place (as defined in the permit) and time of sampling or measurements.

(2) The dates the analyses were performed.

(3) The company or entity that performed the analyses.

(4) The analytical techniques or methods used.

(5) The results of the analyses.

(6) The operating conditions as existing at the time of sampling or measurement.

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

(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.

#026 [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.

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

(a) No person may permit the emission into the outdoor atmosphere of fugitive air contaminant from a source other than the following:

(1) Construction or demolition of buildings or structures.

(2) Grading, paving and maintenance of roads and streets.

(3) 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.

(4) Clearing of land.

(5) Stockpiling of materials.

(6) Open burning operations.

(7) [Not applicable]

(8) [Not applicable]

(9) Sources and classes of sources other than those identified in paragraphs (1)-(8), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

(i) the emissions are of minor significance with respect to causing air pollution; and

(ii) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

(b) [Not applicable]

(c) [See WORK PRACTICE REQUIREMENTS in this section of permit.]

(d) [Not applicable]

 # 002 [25 Pa. Code §123.2]

Fugitive particulate matter

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 25 Pa. Code § 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

 # 003 [25 Pa. Code §123.31]

Limitations

A person may not permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

 # 004 [25 Pa. Code §123.41]

Limitations

A person may not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

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

(2) Equal to or greater than 60% at any time.

SECTION C. Site Level Requirements

 # 005 [25 Pa. Code §123.42]

Exceptions

The limitations of 25 Pa. Code § 123.41 (relating to limitations) shall not apply to a visible emission in any of the following instances:

(1) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.

(2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.

(3) When the emission results from sources specified in 25 Pa. Code § 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions).

(4) [Not applicable]

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Total VOC emissions from all sources emitting VOCs greater than 2.7 tpy, which are not subject to the requirements of 25 PA Code §§ 129.51, 129.52, 129.54 through 129.72, 129.81, and 129.82, shall not exceed the following:

- 135.61 tpy based on a consecutive 12-month period.

[From RACT Approval Permit Number OP 25-025 issued December 21, 1994, and approved by EPA for State Implementation Plan on August 8, 1995. Authority for this condition is derived from 25 PA Code 129.92]

 # 007 [40 CFR Part 82 Protection of Stratospheric Ozone §40 CFR 82.154]

Subpart F--Recycling and Emissions Reduction

Prohibitions.

(a) Venting prohibition.

(1) No person maintaining, servicing, repairing, or disposing of an appliance or industrial process refrigeration may knowingly vent or otherwise release into the environment any refrigerant from such appliances. Notwithstanding any other provision of this subpart, the following substitutes in the following end-uses are exempt from this prohibition and from the requirements of this subpart:

(i) Carbon dioxide in any application;

(ii) Nitrogen in any application;

(iii) Water in any application;

(iv) Ammonia in commercial or industrial process refrigeration or in absorption units;

(v) Chlorine in industrial process refrigeration (processing of chlorine and chlorine compounds);

(vi) Hydrocarbons in industrial process refrigeration (processing of hydrocarbons);

(vii) Ethane (R-170) in very low temperature refrigeration equipment and equipment for non-mechanical heat transfer;

(viii) Propane (R-290) in retail food refrigerators and freezers (stand-alone units only); household refrigerators, freezers, and combination refrigerators and freezers; self-contained room air conditioners for residential and light commercial air-conditioning and heat pumps; vending machines; and effective January 3, 2017, self-contained commercial ice machines, very low temperature refrigeration equipment, and water coolers;

(ix) Isobutane (R-600a) in retail food refrigerators and freezers (stand-alone units only); household refrigerators, freezers, and combination refrigerators and freezers; and vending machines;

SECTION C. Site Level Requirements

(x) R-441A in retail food refrigerators and freezers (stand-alone units only); household refrigerators, freezers, and combination refrigerators and freezers; self-contained room air conditioners for residential and light commercial air-conditioning; heat pumps; and vending machines.

(2) De minimis releases associated with good faith attempts to recycle or recover refrigerants are not subject to this prohibition. Except for exempt substitutes, refrigerant releases are de minimis only if they occur when:

(i) The applicable practices in §§ 82.155 and 82.156 are observed, the applicable practices in § 82.157 are observed for appliances that contain any class I or class II refrigerant or blend containing a class I or class II refrigerant, recovery and/or recycling machines that meet the requirements in § 82.158 are used whenever refrigerant is removed from an appliance, the technician certification provisions in § 82.161 are observed, and the reclamation requirements in § 82.164 are observed; or

(ii) The requirements in subpart B of this part are observed.

(3) The knowing release of a class I or class II refrigerant or a non-exempt substitute refrigerant after its recovery from an appliance is a violation of the venting prohibition.

(b) No person may maintain, service, repair, or dispose of an appliance containing a class I or class II refrigerant or a non-exempt substitute refrigerant without:

(1) Observing the applicable practices in §82.155, §82.156, and §82.157; and

(2) Using recovery and/or recycling equipment that is certified for that type of refrigerant and appliance under §82.158.

(c) - (e) [Sections (c) through (e) of 40 CFR § 82.154 are not applicable to GE.]

(f) One-time expansion devices. No person may manufacture or import a one-time expansion device unless the only refrigerants it contains have been exempted under paragraph (a)(1) of this section.

(g) Rules stayed for consideration. Notwithstanding any other provisions of this subpart, the effectiveness of 40 CFR 82.154(c), only as it applies to refrigerant contained in appliances without fully assembled refrigerant circuits, is stayed from April 27, 1995, until EPA takes final action on its reconsideration of these provisions. EPA will publish any such final action in the Federal Register.

[81 FR 82352, Nov. 18, 2016, as amended at 81 FR 86881, Dec. 1, 2016; 82 FR 61184, Dec. 27, 2017; 85 FR 14171, Apr. 10, 2020]

II. TESTING REQUIREMENTS.

 # 008 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

(1) A device approved by the Department and maintained to provide accurate opacity measurements.

(2) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

 # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Department reserves the right to require exhaust stack testing of any source(s) as necessary to verify emissions for purposes including determining the correct emission fee, malfunctions, or determining compliance with any applicable requirements.

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) If the permittee is conducting emissions testing using the same testing protocol previously approved by the

SECTION C. Site Level Requirements

Department, submission of a new protocol prior to testing is not required.

(b) The permittee shall submit at least 15 days notification to the Department's Northwest Regional Office of the proposed test date and reference the previously approved protocol in the notification. The 15-day advance notifications of emissions testing dates and supplemental testing information shall be submitted directly to both:

(1) the Protocol Reviewer at Central Office Division of Source Testing at the email address provided by the protocol reviewer; and

(2) to the DEP's OnBase electronic upload website where it will be forwarded to the Northwest Regional Office Air Quality Inspector. Upload the written notification at this web address:
https://www.dep.pa.gov/DataandTools/Pages/Application-Form-Upload.aspx

(c) The permittee shall also reference the previously approved protocol in the submission of the report of test results.

(d) If any federal or commonwealth testing standards are amended in Title 40 of the CFR or in 25 Pa. Code Chapter 139, then a new test protocol must be prepared and submitted in accordance with the federal and commonwealth regulations for submission and approval of test protocols.

[This operating permit condition, added to the permit with 2017 TV operating permit renewal issuance, is derived in accordance with the Pretest Procedural Protocol as printed in Section 2.1.1 of the DEP's Source Testing Manual Revision 3.3, Document #274-0300-002, published November 11, 2000.]

[A copy of the DEP Source Testing Manual is available at this web address:
http://www.depgreenport.state.pa.us/elibrary/GetFolder?FolderID=4575]

III. MONITORING REQUIREMENTS.

 # 011 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) The permittee shall conduct surveillance of the Powerhouse & Manufacturing Areas on a monthly basis, during daylight hours, to observe, on a qualitative basis, changes of visible fugitive and/or visible emissions. The Manufacturing Areas have been designated as buildings 2, 5 (including 9D Paint), 6, 7, & 10.

(b) The permittee shall conduct surveillance, on a quarterly basis, of the entire facility including the roadway surrounding the plant to observe, on a qualitative basis, changes of visible fugitive and/or visible emissions agreed to by the permittee and the Department.

(c) All observed changes of fugitive and/or visible emissions shall be reported to the Site Supervisor or his designated representative.

IV. RECORDKEEPING REQUIREMENTS.

 # 012 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall maintain annual records listing the usage of the following:

(1) MEK,
(2) 1514 Thinner Solvent,
(3) Odorless Mineral Spirits (Varnish Oil),
(4) Xylene, and
(5) SC100.

(b) The records shall be maintained for a period of at least 5 years.

[From plan approval PA-25-025B] [This condition is used to demonstrate compliance with the usage limits specified in the 25 Pa. Code §127.12b condition under 'Additional Requirements' in this section of the permit.]

 # 013 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

SECTION C. Site Level Requirements

(a) The permittee shall maintain a record of the surveillance for fugitive and visible emissions as prescribed under Monitoring Requirements in this section of the permit.

(b) This recordkeeping shall contain a listing or notation of any and all observed changes of fugitive emissions or visible emissions; the cause of such changes; duration of such observed emissions; and the corrective action taken to abate the deviation and prevent future occurrences.

 # 014 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee can modify the mixture of pollutants regulated under Section 112 of the Clean Air Act (42 U.S.C.A. 7412) which are VOCs or PM10 so long as the emission limitations of this permit are not violated. The permittee shall keep a log which identifies the mixture of pollutants regulated under section 112 and report the changes in the mixture of pollutants regulated under section 112 with the next report required to be provided to the Department.

[Authority for this operating permit condition is from 25 Pa. Code § 127.512(j).]

 # 015 [25 Pa. Code §135.5]

Recordkeeping

Source owners or operators shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with 25 PA Code 135.3 and 135.21 (relating to reporting; and emission statements). These 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.

 # 016 [40 CFR Part 82 Protection of Stratospheric Ozone §40 CFR 82.161]

Subpart F--Recycling and Emissions Reduction

Technician certification.

Until January 1, 2018, this section applies only to technicians and organizations certifying technicians that maintain, service, or repair appliances containing class I or class II refrigerants. Starting on January 1, 2018, this section applies to technicians and organizations certifying technicians that maintain, service, or repair appliances containing any class I or class II refrigerant or any non-exempt substitute refrigerant.

(a) Certification Requirements.

(1) Any person who could be reasonably expected to violate the integrity of the refrigerant circuit during the maintenance, service, repair, or disposal of appliances (as follows in this paragraph) containing a class I or class II refrigerant or a non-exempt substitute refrigerant must pass a certification exam offered by an approved technician certification program.

(i) Persons who maintain, service, or repair small appliances must be certified as Type I technicians.

(ii) Persons who maintain, service, repair, or dispose of medium-, high-, or very high-pressure appliances (except small appliances, MVACs, and MVAC-like appliances) must be certified as Type II technicians.

(iii) Persons who maintain, service, repair, or dispose of low-pressure appliances must be certified as Type III technicians.

(iv) Persons who maintain, service, repair, or dispose of all appliances described in paragraph (a)(1)(i) through (iii) of this section must be certified as Universal technicians.

(v) Technicians who maintain, service, or repair MVAC-like appliances must either be certified as Type II technicians or be certified in accordance with 40 CFR part 82, subpart B.

(vi) Persons who maintain, service, or repair MVAC appliances for consideration must be certified in accordance with 40 CFR part 82, subpart B.

SECTION C. Site Level Requirements

(vii) Persons who dispose of small appliances, MVACs, and MVAC-like appliances are not required to be certified.

(2) Apprentices are exempt from the requirement in paragraph (a)(1) of this section provided the apprentice is closely and continually supervised by a certified technician while performing any maintenance, service, repair, or disposal that could reasonably be expected to release refrigerant from an appliance into the environment, except those substitute refrigerants exempted under paragraph (a)(1) of this section. The supervising certified technician and the apprentice have the responsibility to ensure that the apprentice complies with this subpart.

(3) The Administrator may require technicians to demonstrate at their place of business their ability to perform proper procedures for recovering and/or recycling refrigerant, except those substitute refrigerants exempted under paragraph (a)(1) of this section. Failure to demonstrate or failure to properly use the equipment may result in revocation or suspension of the certificate. Failure to abide by any of the provisions of this subpart may also result in revocation or suspension of the certificate. If a technician's certificate is revoked, the technician would need to recertify before maintaining, servicing, repairing, or disposing of any appliances.

(4) (i) Technicians certified under this section must keep a copy of their certificate at their place of business.

(ii) Technicians must maintain a copy of their certificate until three years after no longer operating as a technician.

(5) Recertification. The Administrator reserves the right to specify a requirement for technician recertification at some future date, if necessary, by placing a notice in the Federal Register.

(b) - (c) [Sections 82.151 (b) and (c) are not applicable to GE.]

[81 FR 82363, Nov. 18, 2016]

 # 017 [40 CFR Part 82 Protection of Stratospheric Ozone §40 CFR 82.166]

Subpart F--Recycling and Emissions Reduction

Reporting and recordkeeping requirements.

This section contains leak repair reporting and recordkeeping requirements that apply to owners and operators of appliances containing 50 or more pounds of class I or class II refrigerants until January 1, 2019. Starting January 1, 2019, the recordkeeping and reporting requirements in the leak repair provisions in §82.157(l) and (m) apply to owners and operators of appliances containing 50 or more pounds of class I or class II refrigerants or non-exempt substitutes.

(a) - (i) [Reserved]

(j) Persons servicing appliances normally containing 50 or more pounds of refrigerant must provide the owner/operator of such appliances with an invoice or other documentation, which indicates the amount of refrigerant added to the appliance.

(k) Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep servicing records documenting the date and type of service, as well as the quantity of refrigerant added. The owner/operator must keep records of refrigerant purchased and added to such appliances in cases where owners add their own refrigerant. Such records should indicate the date(s) when refrigerant is added.

(l) [Reserved]

(m) All records required to be maintained pursuant to this section must be kept for a minimum of three years unless otherwise indicated.

(n) - (o) [Paragraphs (n) and (o) of § 82.166 are printed under Reporting Requirements in this section of permit.]

(p) (1) Owners or operators who wish to exclude purged refrigerants that are destroyed from annual leak rate calculations must maintain records on-site to support the amount of refrigerant claimed as sent for destruction. Records shall be based on a monitoring strategy that provides reliable data to demonstrate that the amount of refrigerant claimed to have been destroyed is not greater than the amount of refrigerant actually purged and destroyed and that the 98 percent or greater destruction efficiency is met. Records shall include flow rate, quantity or concentration of the refrigerant in the vent

stream, and periods of purge flow.

(2) Owners or operators who wish to exclude purged refrigerants that are destroyed from annual leak rate calculations must maintain on-site and make available to EPA upon request the following information after the first time the exclusion is utilized by the facility:

(i) The identification of the facility and a contact person, including the address and telephone number;

(ii) A general description of the refrigerant appliance, focusing on aspects of the appliance relevant to the purging of refrigerant and subsequent destruction;

(iii) A description of the methods used to determine the quantity of refrigerant sent for destruction and type of records that are being kept by the owners or operators where the appliance is located;

(iv) The frequency of monitoring and data-recording; and

(v) A description of the control device, and its destruction efficiency

This information must also be included, where applicable, in any reporting requirements required for compliance with the leak repair and retrofit requirements for industrial process refrigeration equipment, as set forth in paragraphs (n) and (o) of this section.

(q) Owners or operators choosing to determine the full charge as defined in §82.156(j) of an affected appliance by using an established range or using that methodology in combination with other methods for determining the full charge as defined in §82.156(j) must maintain the following information:

(1) The identification of the owner or operator of the appliance;

(2) The location of the appliance;

(3) The original range for the full charge of the appliance, its midpoint, and how the range was determined;

(4) Any and all revisions of the full charge range and how they were determined; and

(5) The dates such revisions occurred.

[58 FR 28712, May 14, 1993, as amended at 59 FR 42957, Aug. 19, 1994; 60 FR 40443, Aug. 8, 1995; 69 FR 11981, Mar. 12, 2004; 70 FR 1992, Jan. 11, 2005; 79 FR 64290, Oct. 28, 2014; 81 FR 82364, Nov. 18, 2016]

V. REPORTING REQUIREMENTS.

 # 018 [25 Pa. Code §127.11a]

Reactivation of sources.

(a) Except as provided by § 127.215 (relating to reactivation), a source which has been out of operation or production for at least 1 year but less than or equal to 5 years may be reactivated and will not be considered a new source if the following conditions are satisfied:

(1) The owner or operator shall, within 1 year of the deactivation submit to the Department and implement a maintenance plan which includes the measures to be taken, including maintenance, upkeep, repair or rehabilitation procedures, which will enable the source to be reactivated in accordance with the terms of the permit issued to the source.

(2) The owner or operator shall submit a reactivation plan to the Department for approval at least 60 days prior to the proposed date of reactivation. The reactivation plan shall include sufficient measures to ensure that the source will be reactivated in compliance with the permit requirements. The permittee may submit a reactivation plan to the Department at any time during the term of its operating permit. The reactivation plan may also be submitted to and reviewed by the Department as part of the plan approval or permit application or renewal process.

SECTION C. Site Level Requirements

(3) The owner or operator of the source shall submit a notice to the Department within 1 year of deactivation requesting preservation of emissions in the inventory and indicating the intent to reactivate the source.

(4) The owner or operator of the source shall comply with the terms and conditions of the maintenance plan while the source is deactivated, and shall comply with the terms of the reactivation plan and operating permit upon reactivation.

(5) The owner or operator of the source with an approved reactivation plan and operating permit shall notify the Department in writing at least 30 days prior to reactivation of the source.

(b) A source which has been out of operation or production for more than 5 years but less than 10 years may be reactivated and will not be considered a new source if the following conditions are satisfied:

(1) The owner or operator of the source complies with the requirements of subsection (a).

(2) The owner or operator of the source obtains a plan approval and operating permit which requires that the emission of air contaminants from the source will be controlled to the maximum extent, consistent with the best available technology as determined by the Department as of the date of reactivation.

(c) A source which has been out of operation for 10 or more years shall meet the requirements of this chapter applicable to a new source.

(d) Other provisions of this section to the contrary notwithstanding, a source that is out of production or operation on November 26, 1994, shall have 1 year to demonstrate compliance with the requirements of subsection (a)(1), (3) and (4).

(e) [Not applicable to this facility.]

(f) The source shall have an operating permit prior to reactivation.

 # 019 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Records listing the annual usage of the following shall be submitted to the Department no later than February 15, 2000, and every year thereafter.

(1) MEK,
(2) 1514 Thinner Solvent,
(3) Odorless Mineral Spirits (Varnish Oil),
(4) Xylene, and
(5) SC100.

(b) The usage shall be reported with the yearly submittal of the emission inventory.

[From plan approval PA-25-025B] [This condition is used to demonstrate compliance with the usage limits specified in the 25 Pa. Code §127.12b condition under 'Additional Requirements' in this section of the permit.]

 # 020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The 6-month deviation report, required under Section B Condition #026, shall be submitted to the Department within 30-days of the end of the reporting period. The 6-month deviation report shall cover the following periods unless otherwise approved by the Department:

(1) November 1 through April 30;
(2) May 1 through October 31.

(b) In accordance with 25 Pa. Code § 127.513 and with Section B Condition #024 of this permit, the annual compliance certification report shall be submitted to both the Department and EPA within 30 days of the end of the reporting period. The annual compliance certification shall cover the following period unless otherwise approved by the Department.

SECTION C. Site Level Requirements

• November 1 through October 31.

(c) All submittals to the Department required by this permit shall be submitted to the Pennsylvania DEP Northwest Regional Office Bureau of Air Quality via the Department's OnBase website at the following web address.

https://www.dep.pa.gov/DataandTools/Pages/Application-Form-Upload.aspx

(d) The addresses for EPA submittals are as follows.

(1) The mailing address is:
U.S. Environmental Protection Agency Region III
Enforcement and Compliance Assurance Division
Air Section (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, Pennsylvania 19103-2852

(2) Electronic compliance certifications shall be sent to the EPA at the following email address.

R3_APD_Permits@epa.gov

Include the following in the email subject line:
• name of facility, state, and Title V operating permit number.

 # 021 [25 Pa. Code §135.21]

Emission statements

(a) Except as provided in subsection (d), this section applies to stationary sources or facilities:

(1) Located in an area designated by the Clean Air Act as a marginal, moderate, serious, severe or extreme ozone nonattainment area and which emit oxides of nitrogen or VOC.

(2) Not located in an area described in paragraph (1) and included in the Northeast Ozone Transport Region which emit or have the potential to emit 100 tons or more of oxides of nitrogen or 50 tons or more of VOC per year.

(b) The owner or operator of each stationary source emitting oxides of nitrogen or VOCs shall provide the Department with a statement, in a form as the Department may prescribe, for classes or categories of sources, showing the actual emissions of oxides of nitrogen and VOCs from that source for each reporting period, a description of the method used to calculate the emissions and the time period over which the calculation is based. The statement shall contain a certification by a company officer or the plant manager that the information contained in the statement is accurate.

(c) Annual emission statements are due by March 1 for the preceding calendar year beginning with March 1, 1993, for calendar year 1992 and shall provide data consistent with requirements and guidance developed by the EPA. The guidance document is available from: United States Environmental Protection Agency, 401 M Street, S.W., Washington, D.C. 20460. The Department may require more frequent submittals if the Department determines that one or more of the following applies:

(1) A more frequent submission is required by the EPA.

(2) Analysis of the data on a more frequent basis is necessary to implement the requirements of the act.

(d) Subsection (a) does not apply to a class or category of stationary sources which emits less than 25 tons per year of VOCs or oxides of nitrogen, if the Department in its submissions to the Administrator of the EPA under section 182(a)(1) or (3)(B)(ii) of the Clean Air Act (42 U.S.C.A. § 7511a(a)(1) or (3)(B)(ii)) provides an inventory of emissions from the class or category of sources based on the use of the emission factors established by the Administrator or other methods acceptable to the Administrator. The Department will publish in the Pennsylvania Bulletin a notice of the lists of classes or categories of sources which are exempt from the emission statement requirement under this subsection.

SECTION C. Site Level Requirements

 # 022 [40 CFR Part 82 Protection of Stratospheric Ozone §40 CFR 82.166]
Subpart F--Recycling and Emissions Reduction
Reporting and recordkeeping requirements.

(a) - (m) [Paragraphs (a) through (m) of § 82.166 are printed under Recordkeeping Requirements in this section of permit.]

(n) The owners or operators of appliances must maintain on-site and report to EPA Headquarters at the address listed in §82.160 the information specified in paragraphs (n)(1), (n)(2), and (n)(3) of this section, within the timelines specified under §82.156 (i)(1), (i)(2), (i)(3) and (i)(5) where such reporting or recordkeeping is required. This information must be relevant to the affected appliance.

(1) An initial report to EPA under §82.156(i)(1)(i), (i)(2), or (i)(5)(i) regarding why more than 30 days are needed to complete repairs must include: Identification of the facility; the leak rate; the method used to determine the leak rate and full charge; the date a leak rate above the applicable leak rate was discovered; the location of leak(s) to the extent determined to date; any repair work that has been completed thus far and the date that work was completed; the reasons why more than 30 days are needed to complete the work and an estimate of when the work will be completed. If changes from the original estimate of when work will be completed result in extending the completion date from the date submitted to EPA, the reasons for these changes must be documented and submitted to EPA within 30 days of discovering the need for such a change.

(2) If the owners or operators intend to establish that the appliance's leak rate does not exceed the applicable allowable leak rate in accordance with §82.156(i)(3)(v), the owner or operator must submit a plan to fix other outstanding leaks for which repairs are planned but not yet completed to achieve a rate below the applicable allowable leak rate. A plan to fix other outstanding leaks in accordance with §82.156(i)(3)(v) must include the following information: The identification of the facility; the leak rate; the method used to determine the leak rate and full charge; the date a leak rate above the applicable allowable leak rate was discovered; the location of leak(s) to the extent determined to date; and any repair work that has been completed thus far, including the date that work was completed. Upon completion of the repair efforts described in the plan, a second report must be submitted that includes the date the owner or operator submitted the initial report concerning the need for additional time beyond the 30 days and notification of the owner or operator's determination that the leak rate no longer exceeds the applicable allowable leak rate. This second report must be submitted within 30 days of determining that the leak rate no longer exceeds the applicable allowable leak rate.

(3) Owners or operators must maintain records of the dates, types, and results of all initial and follow-up verification tests performed under §82.156(i)(3). Owners or operators must submit this information to EPA within 30 days after conducting each test only where required under §82.156 (i)(1), (i)(2), (i)(3) and (i)(5). These reports must also include: Identification and physical address of the facility; the leak rate; the method used to determine the leak rate and full charge; the date a leak rate above the applicable allowable leak rate was discovered; the location of leak(s) to the extent determined to date; and any repair work that has been completed thus far and the date that work was completed. Submitted reports must be dated and include the name of the owner or operator of the appliance, and must be signed by an authorized company official.

(o) The owners or operators of appliances must maintain on-site and report to EPA at the address specified in §82.160 the following information where such reporting and recordkeeping is required and in the timelines specified in §82.156 (i)(7) and (i)(8), in accordance with §82.156 (i)(7) and (i)(8). This information must be relevant to the affected appliance and must include:

(1) The identification of the industrial process facility;

(2) The leak rate;

(3) The method used to determine the leak rate and full charge;

(4) The date a leak rate above the applicable allowable rate was discovered.

(5) The location of leaks(s) to the extent determined to date;

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(6) Any repair work that has been completed thus far and the date that work was completed;

(7) A plan to complete the retrofit or retirement of the system;

(8) The reasons why more than one year is necessary to retrofit or retire the system;

(9) The date of notification to EPA; and

(10) An estimate of when retrofit or retirement work will be completed. If the estimated date of completion changes from the original estimate and results in extending the date of completion, the owner or operator must submit to EPA the new estimated date of completion and documentation of the reason for the change within 30 days of discovering the need for the change, and must retain a dated copy of this submission.

(q) [Paragraph (q) of § 82.166 is printed under Recordkeeping Requirements in this section of permit.]

[58 FR 28712, May 14, 1993, as amended at 59 FR 42957, Aug. 19, 1994; 60 FR 40443, Aug. 8, 1995; 69 FR 11981, Mar. 12, 2004; 70 FR 1992, Jan. 11, 2005; 79 FR 64290, Oct. 28, 2014; 81 FR 82364, Nov. 18, 2016]

VI. WORK PRACTICE REQUIREMENTS.

 # 023 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

[From 25 Pa. Code §123.1(c)]

A person responsible for any source specified in 25 Pa. Code § (a)(1) -- (7) or (9) [Condition 001 above] shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

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

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

(3) Paving and maintenance of roadways.

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

 # 024 [25 Pa. Code §127.25]

Compliance requirement.

A person may not cause or permit the operation of a source subject to 127.11 (relating to plan approval requirements), unless the source and air cleaning devices identified in the application for the plan approval and the plan approval issued to the source, are operated and maintained in accordance with specifications in the application and conditions in the plan approval issued by the Department. A person may not cause or permit the operation of an air contamination source subject to this chapter in a manner inconsistent with good operating practices.

 # 025 [25 Pa. Code §129.14]

Open burning operations

(a) Air basins. No person may permit the open burning of material in an air basin.

(b) [Not applicable]

(c) Exceptions: The requirements of subsections (a) and (b) do not apply where 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.

SECTION C. Site Level Requirements

(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) [Not applicable]

(5) [Not applicable]

(6) A fire set solely for recreational or ceremonial purposes.

(7) A fire set solely for cooking food.

(d) Clearing and grubbing wastes. The following is applicable to clearing and grubbing wastes:

(1) As used in this subsection the following terms shall have the following meanings:

Air curtain destructor -- A mechanical device which forcefully projects a curtain of air across a pit in which open burning is being conducted so that combustion efficiency is increased and smoke and other particulate matter are contained.

Clearing and grubbing wastes -- Trees, shrubs, and other native vegetation which are cleared from land during or prior to the process of construction. The term does not include demolition wastes and dirt laden roots.

(2) [Not applicable]

(3) Subsection (b) notwithstanding clearing and grubbing wastes may be burned outside of an air basin, subject to the following limitations:

(i) Upon receipt of a complaint or determination by the Department that an air pollution problem exists, the Department may order that the open burning cease or comply with subsection (b) of this section.

(ii) Authorization for open burning under this paragraph does not apply to clearing and grubbing wastes transported from an air basin for disposal outside of an air basin.

(4) During an air pollution episode, open burning is limited by Chapter 137 (relating to air pollution episodes) and shall cease as specified in such chapter.

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

 # 026 [40 CFR Part 82 Protection of Stratospheric Ozone §40 CFR 82.155]

Subpart F--Recycling and Emissions Reduction

Safe disposal of appliances.

Until January 1, 2018, this section applies only to disposal of appliances containing class I and class II refrigerants. Starting on January 1, 2018, this section applies to disposal of appliances containing any class I or class II refrigerant or any non-exempt substitute refrigerant.

(a) Persons recovering refrigerant from a small appliance, MVAC, or MVAC-like appliance for purposes of disposal of these appliances must evacuate refrigerant to the levels in §82.156(b) through (d) using recovery equipment that meets the standards in §82.158(e) through (g), or 40 CFR part 82 subpart B, as applicable. [Note: 40 CFR Part 82 Subpart B is not applicable to GE.]

(b) The final processor—i.e., persons who take the final step in the disposal process (including but not limited to scrap recyclers and landfill operators) of a small appliance, MVAC, or MVAC-like appliance—must either:

(1) Recover any remaining refrigerant from the appliance in accordance with paragraph (a) of this section; or

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(2) Verify using a signed statement or a contract that all refrigerant that had not leaked previously has been recovered from the appliance or shipment of appliances in accordance with paragraph (a) of this section. If using a signed statement, it must include the name and address of the person who recovered the refrigerant and the date the refrigerant was recovered. If using a signed contract between the supplier and the final processor, it must either state that the supplier will recover any remaining refrigerant from the appliance or shipment of appliances in accordance with paragraph (a) of this section prior to delivery or verify that the refrigerant had been properly recovered prior to receipt by the supplier.

(i) It is a violation of this subpart to accept a signed statement or contract if the person receiving the statement or contract knew or had reason to know that the signed statement or contract is false.

(ii) The final processor must notify suppliers of appliances that refrigerant must be properly recovered in accordance with paragraph (a) of this section before delivery of the items to the facility. The form of this notification may be signs, letters to suppliers, or other equivalent means.

(iii) If all the refrigerant has leaked out of the appliance, the final processor must obtain a signed statement that all the refrigerant in the appliance had leaked out prior to delivery to the final processor and recovery is not possible. “Leaked out” in this context means those situations in which the refrigerant has escaped because of system failures, accidents, or other unavoidable occurrences not caused by a person's negligence or deliberate acts such as cutting refrigerant lines.

(c) Recordkeeping. The final processor of a small appliance, MVAC, or MVAC-like appliance must keep a copy of all the signed statements or contracts obtained under paragraph (b)(2) of this section on site, in hard copy or in electronic format, for three years.

[81 FR 82353, Nov. 18, 2016]

 # 027 [40 CFR Part 82 Protection of Stratospheric Ozone §40 CFR 82.156]

Subpart F--Recycling and Emissions Reduction

Proper evacuation of refrigerant from appliances.

Until January 1, 2018, this section applies only to evacuation of refrigerant from appliances containing class I or class II refrigerants. Starting on January 1, 2018, this section applies to evacuation of refrigerant from appliances containing any class I or class II refrigerant or any non-exempt substitute refrigerant, excluding paragraph (i) of this section which applies only to appliances containing class I or class II refrigerants until January 1, 2019. Starting January 1, 2019, the provisions in §82.157 apply in lieu of paragraph (i) of this section.

(a) Appliances (except small appliances, MVACs, and MVAC-like appliances). Before opening appliances (except small appliances, MVACs, and MVAC-like appliances) or disposing of such appliances, technicians must evacuate the refrigerant, including all the liquid refrigerant, to the levels in Table 1 using a recovery and/or recycling machine certified pursuant to §82.158 unless the situations in paragraphs (a)(1) or (2) of this section apply. Technicians may evacuate either the entire appliance or the part to be serviced, if the refrigerant in the part can be isolated to a system receiver. A technician must verify that the applicable level of evacuation has been reached in the appliance or the part before it is opened.

(1) If evacuation of the appliance to the atmosphere is not to be performed after completion of the maintenance, service, or repair, and if the maintenance, service, or repair is not major as defined at §82.152, the appliance must:

(i) Be evacuated to a pressure no higher than 0 psig before it is opened if it is a medium-, high- or very high-pressure appliance;

(ii) Be pressurized to a pressure no higher than 0 psig before it is opened if it is a low-pressure appliance. Persons must cover openings when isolation is not possible. Persons pressurizing low-pressure appliances that use refrigerants with boiling points at or below 85 degrees Fahrenheit at 29.9 inches of mercury (standard atmospheric pressure), must not use methods such as nitrogen that require subsequent purging. Persons pressurizing low-pressure appliances that use refrigerants with boiling points above 85 degrees Fahrenheit at 29.9 inches of mercury, must use heat to raise the internal pressure of the appliance as much as possible, but may use nitrogen to raise the internal pressure of the appliance from the level attainable through use of heat to atmospheric pressure; or

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(iii) For the purposes of oil changes, be evacuated or pressurized to a pressure no higher than 5 psig, before it is opened; or drain the oil into a system receiver to be evacuated or pressurized to a pressure no higher than 5 psig.

(2) If leaks in the appliance make evacuation to the levels in Table 1 unattainable or would substantially contaminate the refrigerant being recovered, persons opening or disposing of the appliance must:

(i) Isolate leaking from non-leaking components wherever possible;

(ii) Evacuate non-leaking components to be opened or disposed of to the levels specified in Table 1; and

(iii) Evacuate leaking components to be opened or disposed of to the lowest level that can be attained without substantially contaminating the refrigerant. This level may not exceed 0 psig.

(3) Recordkeeping. As of January 1, 2018, technicians evacuating refrigerant from appliances with a full charge of more than 5 and less than 50 pounds of refrigerant for purposes of disposal of that appliance must keep records documenting the following for three years:

(i) The company name, location of the appliance, date of recovery, and type of refrigerant recovered for each appliance;

(ii) The total quantity of refrigerant, by type, recovered from all disposed appliances in each calendar month; and

(iii) The quantity of refrigerant, by type, transferred for reclamation and/or destruction, the person to whom it was transferred, and the date of transfer.

Table 1 -- Required Levels of Evacuation for Appliances
[Except for small appliances, MVACs, and MVAC-like appliances]

Type of appliance	Inches of Hg vacuum (relative to standard atmospheric pressure of 29.9 inches Hg): Using recovery and/or recycling equipment manufactured or imported before November 15, 1993	Inches of Hg vacuum (relative to standard atmospheric pressure of 29.9 inches Hg): Using recovery and/or recycling equipment manufactured or imported on or after November 15, 1993
Very high-pressure appliance	0	0
High-pressure appliance, or isolated component of such appliance, with a full charge of less than 200 pounds of refrigerant	0	0
High-pressure appliance, or isolated component of such appliance, with a full charge of 200 pounds or more of refrigerant	4	10
Medium-pressure appliance, or isolated component of such appliance, with a full charge of less than 200 pounds of refrigerant	4	10
Medium-pressure appliance, or isolated component of such appliance, with a full charge of 200 pounds or more of refrigerant	4	15

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Low-pressure appliance	25 mm Hg absolute	25 mm Hg absolute

(b) Small appliances. Before opening a small appliance or when disposing of a small appliance, persons must recover refrigerant, using a recovery and/or recycling machine certified pursuant to §82.158, according to the following conditions:

(1) When using recovery equipment manufactured before November 15, 1993, recover 80 percent of the refrigerant in the small appliance; or

(2) When using recovery equipment manufactured on or after November 15, 1993, recover 90 percent of the refrigerant in the appliance when the compressor in the appliance is functioning, or 80 percent of the refrigerant in the appliance when the compressor in the appliance is not functioning; or

(3) Evacuate the appliance to four inches of mercury vacuum.

(c) MVAC-like appliances. Persons may only open MVAC-like appliances while properly using, as defined at §82.32(e), recovery and/or recycling equipment certified pursuant to §82.158(f) or §82.36, as applicable. All persons recovering refrigerant from MVAC-like appliances for purposes of disposal of these appliances must evacuate the appliance in accordance with 40 CFR part 82, subpart B or reduce the system pressure to or below 102 mm of mercury vacuum.

(d) [Paragraph (d) of the regulation is not applicable to GE because they do not service MVACs.]

(e) System-dependent equipment may not be used with appliances with a full charge of more than 15 pounds of refrigerant, unless the system-dependent equipment is permanently attached to the appliance as a pump-out unit.

(f) Persons who maintain, service, repair, or dispose of only appliances that they own and that contain pump-out units are exempt from the requirement to use certified, self-contained recovery and/or recycling equipment.

(g) All recovery and/or recycling equipment must be used in accordance with the manufacturer's directions unless such directions conflict with the requirements of this subpart.

(h) Refrigerant may be returned to the appliance from which it is recovered or to another appliance owned by the same person without being recycled or reclaimed, unless the appliance is an MVAC or MVAC-like appliance.

(i) The provisions in this paragraph (i) apply to owners and operators of appliances containing 50 or more pounds of class I and class II refrigerants only until January 1, 2019. The definitions in paragraph (j) of this section apply for purposes of this paragraph (i) in lieu of the definitions in §82.152.

(1) Owners or operators of commercial refrigeration equipment normally containing more than 50 pounds of refrigerant must have leaks repaired in accordance with paragraph (i)(9) of this section, if the appliance is leaking at a rate such that the loss of refrigerant will exceed 35 percent of the total charge during a 12-month period, except as described in paragraphs (i)(6), (i)(8), and (i)(10) of this section and paragraphs (i)(1)(i), (i)(1)(ii), and (i)(1)(iii) of this section. Repairs must bring the annual leak rate to below 35 percent.

(i) - (iii) [Paragraphs 82.156(i)(1)(i)-(iii) are not applicable to this facility.]

(2) The owners or operators of industrial process refrigeration equipment normally containing more than 50 pounds of refrigerant must have leaks repaired if the appliance is leaking at a rate such that the loss of refrigerant will exceed 35 percent of the total charge during a 12-month period in accordance with paragraph (i)(9) of this section, except as described in paragraphs (i)(6), (i)(7) and (i)(10) of this section, and paragraphs (i)(2)(i) and (i)(2)(ii) of this section. Repairs must bring annual leak rates to below 35 percent during a 12-month period. If the owners or operators of the industrial process refrigeration equipment determine that the leak rate cannot be brought to below 35 percent during a 12-month period within 30 days (or 120 days, where an industrial process shutdown in accordance with paragraph (i)(2)(ii) of this section is required,) and in accordance with paragraph (i)(9) of this section, and that an extension in accordance with the requirements discussed in this paragraph apply, the owners or operators of the appliance must document all repair efforts, and notify EPA of the reason for the inability in accordance with §82.166(n) within 30 days of making this determination.

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Owners or operators who obtain an extension pursuant to this section or elect to utilize the additional time provided in paragraph (i)(2)(i) of this section, must conduct all necessary leak repairs, if any, that do not require any additional time beyond the initial 30 or 120 days.

(i) The owners or operators of industrial process refrigeration equipment are permitted more than 30 days (or 120 days where an industrial process shutdown in accordance with paragraph (i)(2)(ii) of this section is required) to repair leaks, if the necessary parts are unavailable or if requirements of other applicable federal, state, or local regulations make a repair within 30 or 120 days impossible. Only the additional time needed to receive delivery of the necessary parts or to comply with the pertinent regulations will be permitted.

(ii) Owners or operators of industrial process refrigeration equipment will have a 120-day repair period, rather than a 30-day repair period, to repair leaks in instances where an industrial process shutdown is needed to repair a leak or leaks from industrial process refrigeration equipment.

(3) Owners or operators of industrial process refrigeration equipment and owners or operators of federally-owned commercial refrigeration equipment or of federally-owned comfort cooling appliances who are granted additional time under paragraphs (i)(1) or (i)(5) of this section, must have repairs performed in a manner that sound professional judgment indicates will bring the leak rate below the applicable allowable leak rate. When an industrial process shutdown has occurred or when repairs have been made while an appliance is mothballed, the owners or operators shall conduct an initial verification test at the conclusion of the repairs and a follow-up verification test. The follow-up verification test shall be conducted within 30 days of completing the repairs or within 30 days of bringing the appliance back on-line, if taken off-line, but no sooner than when the appliance has achieved normal operating characteristics and conditions. When repairs have been conducted without an industrial process shutdown or system mothballing, an initial verification test shall be conducted at the conclusion of the repairs, and a follow-up verification test shall be conducted within 30 days of the initial verification test. In all cases, the follow-up verification test shall be conducted at normal operating characteristics and conditions, unless sound professional judgment indicates that tests performed at normal operating characteristics and conditions will produce less reliable results, in which case the follow-up verification test shall be conducted at or near the normal operating pressure where practicable, and at or near the normal operating temperature where practicable.

(i) If the owners or operators of industrial process refrigeration equipment takes the appliance off-line, or if the owners or operators of federally-owned commercial refrigeration or of federally-owned comfort cooling appliances who are granted additional time under paragraphs (i)(1) or (i)(5) of this section take the appliance off-line, they cannot bring the appliance back on-line until an initial verification test indicates that the repairs undertaken in accordance with paragraphs (i)(1)(i), (ii), (iii), or (i)(2)(i) and (ii), or (5)(i), (ii), and (iii) of this section have been successfully completed, demonstrating the leak or leaks are repaired. The owners or operators of the industrial process refrigeration equipment, federally-owned commercial refrigeration appliances, or federally-owned comfort cooling appliances are exempted from this requirement only where the owners or operators will retrofit or retire the industrial process refrigeration equipment, federally-owned commercial refrigeration appliance, or federally-owned comfort cooling appliance in accordance with paragraph (i)(6) of this section. Under this exemption, the owner or operators may bring the industrial process refrigeration equipment, federally-owned commercial refrigeration appliance, or federally-owned comfort cooling appliance back on-line without successful completion of an initial verification test.

(ii) If the follow-up verification test indicates that the repairs to industrial process refrigeration equipment, federally-owned commercial refrigeration equipment, or federally-owned comfort cooling appliances have not been successful, the owner or operator must retrofit or retire the equipment in accordance with paragraph (i)(6) and any such longer time period as may apply under paragraphs (i)(7)(i), (ii) and (iii) or (i)(8)(i) and (ii) of this section. The owners and operators of the industrial process refrigeration equipment, federally-owned commercial refrigeration equipment, or federally-owned comfort cooling appliances are relieved of this requirement if the conditions of paragraphs (i)(3)(iv) and/or (i)(3)(v) of this section are met.

(iii) The owner or operator of industrial process refrigeration equipment that fails a follow-up verification test must notify EPA within 30 days of the failed follow-up verification test in accordance with §82.166(n).

(iv) The owner or operator is relieved of the obligation to retrofit or replace the industrial process refrigeration equipment as discussed in paragraph (i)(6) of this section if second repair efforts to fix the same leaks that were the subject of the first repair efforts are successfully completed within 30 days or 120 days where an industrial process

shutdown is required, after the initial failed follow-up verification test. The second repair efforts are subject to the same verification requirements of paragraphs (i)(3), (i)(3) (i) and (ii) of this section. The owner or operator is required to notify EPA within 30 days of the successful follow-up verification test in accordance with §82.166(n) and the owner or operator is no longer subject to the obligation to retrofit or replace the appliance that arose as a consequence of the initial failure to verify that the leak repair efforts were successful.

(v) The owner or operator of industrial process refrigeration equipment is relieved of the obligation to retrofit or replace the equipment in accordance with paragraph (i)(6) of this section if within 180 days of the initial failed follow-up verification test, the owner or operator establishes that the appliance's annual leak rate does not exceed the applicable allowable annual leak rate, in accordance with paragraph (i)(4) of this section. If the appliance's owner or operator establishes that the appliance's annual leak rate does not exceed the applicable allowable annual leak rate, the owner or operator is required to notify EPA within 30 days of that determination in accordance with §82.166(n) and the owner or operator would no longer be subject to the obligation to retrofit or replace the equipment that arose as a consequence of the initial failure to verify that the leak repair efforts were successful.

(4) In the case of a failed follow-up verification test subject to paragraph (i)(3)(v) of this section, the determination of whether industrial process refrigeration equipment has an annual leak rate that exceeds the applicable allowable annual leak rate will be made in accordance with parameters identified by the owner or operator in its notice to EPA regarding the failure of the initial follow-up verification test, if those parameters are acceptable to EPA; otherwise by parameters selected by EPA. The determination must be based on the full charge for the affected industrial process refrigeration equipment. The leak rate determination parameters in the owner's or operator's notice will be considered acceptable unless EPA notifies the owners or operators within 30 days of receipt of the notice. Where EPA does not accept the parameters identified by the owner or operator in its notice, EPA will not provide additional time beyond the additional time permitted in paragraph (i)(3)(v) of this section unless specifically stated in the parameters selected by EPA.

(5) Owners or operators of comfort cooling appliances normally containing more than 50 pounds of refrigerant and not covered by paragraph (i)(1) or (i)(2) of this section must have leaks repaired in accordance with paragraph (i)(9) of this section if the appliance is leaking at a rate such that the loss of refrigerant will exceed 15 percent of the total charge during a 12-month period, except as described in paragraphs (i)(6), (i)(8) and (i)(10) of this section and paragraphs (i)(5)(i), (i)(5)(ii) and (i)(5)(iii) of this section. Repairs must bring the annual leak rate to below 15 percent.

(i) - (iii) [Paragraphs 82.156(i)(5)(i) through (iii) are not applicable to GE.]

(6) Owners or operators are not required to repair leaks as provided in paragraphs (i)(1), (i)(2), and (i)(5) of this section if, within 30 days of discovering a leak greater than the applicable allowable leak rate, or within 30 days of a failed follow-up verification test, or after making good faith efforts to repair the leaks as described in paragraph (i)(6)(i) of this section, they develop a one-year retrofit or retirement plan for the leaking appliance. Owners or operators who decide to retrofit the appliance must use a refrigerant or substitute with a lower or equivalent ozone-depleting potential than the previous refrigerant and must include such a change in the retrofit plan. Owners or operators who retire and replace the appliance must replace the appliance with an appliance that uses a refrigerant or substitute with a lower or equivalent ozone-depleting potential and must include such a change in the retirement plan. The retrofit or retirement plan (or a legible copy) must be kept at the site of the appliance. The original plan must be made available for EPA inspection upon request. The plan must be dated, and all work performed in accordance with the plan must be completed within one year of the plan's date, except as described in paragraphs (i)(6)(i), (i)(7), and (i)(8) of this section. Owners or operators are temporarily relieved of this obligation if the appliance has undergone system mothballing as defined in §82.152.

(i) If the owner or operator has made good faith efforts to repair leaks from the appliance in accordance with paragraphs (i)(1), (i)(2), or (i)(5) of this section and has decided prior to completing a follow-up verification test, to retrofit or retire the appliance in accordance with paragraph (i)(6) of this section, the owner or operator must develop a retrofit or retirement plan within 30 days of the decision to retrofit or retire the appliance. The owner or operator must complete the retrofit or retirement of the appliance within one year and 30 days of when the owner or operator discovered that the leak rate exceeded the applicable allowable leak rate, except as provided in paragraphs (i)(7) and (i)(8) of this section.

(ii) In all cases, subject to paragraph (i)(6)(i) of this section, the written plan shall be prepared no later than 30 days after the owner or operator has determined to proceed with retrofitting or retiring the appliance. All reports required under §82.166(o) shall be due at the time specified in the paragraph imposing the specific reporting requirement, or no later than

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30 days after the decision to retrofit or retire the appliance, whichever is later.

(iii) In cases where the owner or operator of industrial process refrigeration equipment has made good faith efforts to retrofit or retire industrial process refrigeration equipment prior to August 8, 1995, and where these efforts are not complete, the owner or operator must develop a retrofit or retirement plan that will complete the retrofit or retirement of the affected appliance by August 8, 1996. This plan (or a legible copy) must be kept at the site of the appliance. The original must be made available for EPA inspection upon request. Where the conditions of paragraphs (i)(7) and (i)(8) of this section apply, and where the length of time necessary to complete the work is beyond August 8, 1996, all records must be submitted to EPA in accordance with §82.166(o), as well as maintained on-site.

(7) The owners or operators of industrial process refrigeration equipment will be allowed additional time to complete the retrofit or retirement of industrial process refrigeration equipment if the conditions described in paragraphs (i)(7)(i) or (i)(7)(ii) of this section are met. The owners or operators of industrial process refrigeration equipment will be allowed additional time beyond the additional time provided in paragraph (i)(7)(ii) of this section if the conditions described in paragraph (i)(7)(iii) of this section are met.

(i) Additional time, to the extent reasonably necessary will be allowed for retrofitting or retiring industrial process refrigeration equipment due to delays occasioned by the requirements of other applicable federal, state, or local laws or regulations, or due to the unavailability of a suitable replacement refrigerant with a lower ozone depletion potential. If these circumstances apply, the owner or operator of the facility must notify EPA within six months after the 30-day period following the discovery of an exceedance of the 35 percent leak rate. Records necessary to allow EPA to determine that these provisions apply and the length of time necessary to complete the work must be submitted to EPA in accordance with §82.166(o), as well as maintained on-site. EPA will notify the owner or operator of its determination within 60 days of receipt the submittal.

(ii) An additional one-year period beyond the initial one-year retrofit period is allowed for industrial process refrigeration equipment where the following criteria are met:

(A) The new or the retrofitted industrial process refrigerant equipment is custom-built;

(B) The supplier of the appliance or one or more of its critical components has quoted a delivery time of more than 30 weeks from when the order is placed;

(C) The owner or operator notifies EPA within six months of the expiration of the 30-day period following the discovery of an exceedance of the 35 percent leak rate to identify the owner or operator, describe the appliance involved, explain why more than one year is needed, and demonstrate that the first two criteria are met in accordance with §82.166(o); and

(D) The owner or operator maintains records that are adequate to allow a determination that the criteria are met.

(iii) The owners or operators of industrial process refrigeration equipment may request additional time to complete retrofitting or retiring industrial process refrigeration equipment beyond the additional one-year period if needed and where the initial additional one year was granted in accordance with paragraph (i)(7)(ii) of this section. The request shall be submitted to EPA before the end of the ninth month of the first additional year and shall include revisions of information required under §82.166(o). Unless EPA objects to this request submitted in accordance with §82.166(o) within 30 days of receipt, it shall be deemed approved.

(8) [Paragraph 82.156(i)(8) is not applicable to GE.]

(9) Owners or operators must repair leaks pursuant to paragraphs (i)(1), (i)(2) and (i)(5) of this section within 30 days after discovery, or within 30 days after when the leaks should have been discovered if the owners intentionally shielded themselves from information which would have revealed a leak, unless granted additional time pursuant to §82.156(i).

(10) The amount of time for owners and operators to complete repairs, retrofit plans or retrofits/replacements/ retirements under paragraphs (i)(1), (i)(2), (i)(5), (i)(6), (i)(7), (i)(8), and (i)(9) of this section is temporarily suspended at the

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time an appliance is mothballed as defined in §82.152. The time for owners and operators to complete repairs, retrofit plans, or retrofits/replacements will resume on the day the appliance is brought back on-line and is no longer considered mothballed. All initial and follow-up verification tests must be performed in accordance with paragraphs (i)(3), (i)(3)(i), and (i)(3)(ii) of this section.

(11) In calculating annual leak rates, purged refrigerant that is destroyed at a verifiable destruction efficiency of 98 percent or greater will not be counted toward the leak rate. Owners or operators destroying purged refrigerants must maintain information as set forth in §82.166(p)(1) and submit to EPA, within 60 days after the first time such exclusion is used by that facility, information set forth in §82.166(p)(2).

(j) Definitions for the leak repair provisions in 82.156(i). These definitions are not applicable to any other portion of subpart F other than 82.156(i). Along with paragraph (i) of this section, the definitions in this section apply only until January 1, 2019.

Appliance means, for the purposes of paragraph (i) of this section, any device which contains and uses a refrigerant and which is used for household or commercial purposes, including any air conditioner, refrigerator, chiller, or freezer.

Commercial refrigeration means, for the purposes of paragraph (i) of this section, the refrigeration appliances utilized in the retail food and cold storage warehouse sectors. Retail food includes the refrigeration equipment found in supermarkets, convenience stores, restaurants and other food service establishments. Cold storage includes the equipment used to store meat, produce, dairy products, and other perishable goods. All of the equipment contains large refrigerant charges, typically over 75 pounds.

Critical component means, for the purposes of paragraph (i) of this section, a component without which industrial process refrigeration equipment will not function, will be unsafe in its intended environment, and/or will be subject to failures that would cause the industrial process served by the refrigeration appliance to be unsafe.

Custom-built means, for the purposes of paragraph (i) of this section, that the equipment or any of its critical components cannot be purchased and/or installed without being uniquely designed, fabricated and/or assembled to satisfy a specific set of industrial process conditions.

Follow-up verification test means, for the purposes of paragraph (i) of this section, those tests that involve checking the repairs within 30 days of the appliance's returning to normal operating characteristics and conditions. Follow-up verification tests for appliances from which the refrigerant charge has been evacuated means a test conducted after the appliance or portion of the appliance has resumed operation at normal operating characteristics and conditions of temperature and pressure, except in cases where sound professional judgment dictates that these tests will be more meaningful if performed prior to the return to normal operating characteristics and conditions. A follow-up verification test with respect to repairs conducted without evacuation of the refrigerant charge means a reverification test conducted after the initial verification test and usually within 30 days of normal operating conditions. Where an appliance is not evacuated, it is only necessary to conclude any required changes in pressure, temperature or other conditions to return the appliance to normal operating characteristics and conditions.

Full charge means, for the purposes of paragraph (i) of this section, the amount of refrigerant required for normal operating characteristics and conditions of the appliance as determined by using one or a combination of the following four methods:

(i) Use the equipment manufacturer's determination of the correct full charge for the equipment;

(ii) Determine the full charge by making appropriate calculations based on component sizes, density of refrigerant, volume of piping, and other relevant considerations;

(iii) Use actual measurements of the amount of refrigerant added or evacuated from the appliance; and/or

(iv) Use an established range based on the best available data regarding the normal operating characteristics and conditions for the appliance, where the midpoint of the range will serve as the full charge, and where records are maintained in accordance with §82.166(q).

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Industrial process refrigeration means, for the purposes of paragraph (i) of this section, complex customized appliances used in the chemical, pharmaceutical, petrochemical and manufacturing industries. These appliances are directly linked to the industrial process. This sector also includes industrial ice machines, appliances used directly in the generation of electricity, and ice rinks. Where one appliance is used for both industrial process refrigeration and other applications, it will be considered industrial process refrigeration equipment if 50 percent or more of its operating capacity is used for industrial process refrigeration.

Industrial process shutdown means, for the purposes of paragraph (i) of this section, that an industrial process or facility temporarily ceases to operate or manufacture whatever is being produced at that facility.

Initial verification test means, for the purposes of paragraph (i) of this section, those leak tests that are conducted as soon as practicable after the repair is completed. An initial verification test, with regard to the leak repairs that require the evacuation of the appliance or portion of the appliance, means a test conducted prior to the replacement of the full refrigerant charge and before the appliance or portion of the appliance has reached operation at normal operating characteristics and conditions of temperature and pressure. An initial verification test with regard to repairs conducted without the evacuation of the refrigerant charge means a test conducted as soon as practicable after the conclusion of the repair work.

Leak rate means, for the purposes of paragraph (i) of this section, the rate at which an appliance is losing refrigerant, measured between refrigerant charges. The leak rate is expressed in terms of the percentage of the appliance's full charge that would be lost over a 12-month period if the current rate of loss were to continue over that period. The rate is calculated using only one of the following methods for all appliances located at an operating facility.

(i) Method 1.

(A) Step 1. Take the number of pounds of refrigerant added to the appliance to return it to a full charge and divide it by the number of pounds of refrigerant the appliance normally contains at full charge;

(B) Step 2. Take the shorter of the number of days that have passed since the last day refrigerant was added or 365 days and divide that number by 365 days;

(C) Step 3. Take the number calculated in Step 1. and divide it by the number calculated in Step 2.; and

(D) Step 4. Multiply the number calculated in Step 3. by 100 to calculate a percentage. This method is summarized in the following formula:

Leak rate (% per year) = [(pounds of refrigerant added) / (pounds of refrigerant in full charge)] * [(365 days/year) / (shorter of # days since refrigerant last added or 365 days)] * 100%

(ii) Method 2.

(A) Step 1. Take the sum of the quantity of refrigerant added to the appliance over the previous 365-day period (or over the period that has passed since leaks in the appliance were last repaired, if that period is less than one year),

(B) Step 2. Divide the result of Step 1. by the quantity (e.g., pounds) of refrigerant the appliance normally contains at full charge, and

(C) Step 3. Multiply the result of Step 2. by 100 to obtain a percentage. This method is summarized in the following formula:

Leak rate (% per year) = [(pounds of refrigerant added over past 365 days or since leaks were repaired if that period is less than 1 year) / (pounds of refrigerant in full charge)] * 100%

Normal operating characteristics or conditions means, for the purposes of paragraph (i) of this section, temperatures, pressures, fluid flows, speeds and other characteristics that would normally be expected for a given process load and ambient condition during operation. Normal operating characteristics and conditions are marked by the absence of

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atypical conditions affecting the operation of the refrigeration appliance.

Normally containing a quantity of refrigerant means, for the purposes of paragraph (i) of this section, containing the quantity of refrigerant within the appliance or appliance component when the appliance is operating with a full charge of refrigerant.

Refrigerant means, for the purposes of paragraph (i) of this section, any substance consisting in part or whole of a class I or class II ozone-depleting substance that is used for heat transfer purposes and provides a cooling effect.

Substitute means, for the purposes of paragraph (i) of this section, any chemical or product, whether existing or new, that is used by any person as an EPA approved replacement for a class I or II ozone-depleting substance in a given refrigeration or air-conditioning end-use.

Suitable replacement refrigerant means, for the purposes of paragraph (i) of this section, a refrigerant that is acceptable under section 612(c) of the Clean Air Act Amendments of 1990 and all regulations promulgated under that section, compatible with other materials with which it may come into contact, and able to achieve the temperatures required for the affected industrial process in a technically feasible manner.

System mothballing means, for the purposes of paragraph (i) of this section, the intentional shutting down of a refrigeration appliance undertaken for an extended period of time by the owners or operators of that facility, where the refrigerant has been evacuated from the appliance or the affected isolated section of the appliance, at least to atmospheric pressure.

[58 FR 28712, May 14, 1993, as amended at 59 FR 42956, 42962, Aug. 19, 1994; 59 FR 55926, Nov. 9, 1994; 60 FR 40440, Aug. 8, 1995; 68 FR 43807, July 24, 2003; 69 FR 11979, Mar. 12, 2004; 70 FR 1991, Jan. 11, 2005; 79 FR 29690, May 23, 2014; 8a FR 82354, Nov. 18, 2016]

 # 028 [40 CFR Part 82 Protection of Stratospheric Ozone §40 CFR 82.157]

Subpart F--Recycling and Emissions Reduction

Appliance maintenance and leak repair

(a) Applicability. This section applies as of January 1, 2019. As of April 10, 2020, this section applies only to appliances with a full charge of 50 or more pounds of any class I or class II refrigerant or blend containing a class I or class II refrigerant. Notwithstanding the use of the term refrigerant in this section, the requirements of this section do not apply to appliances containing solely substitute refrigerants. Unless otherwise specified, the requirements of this section apply to the owner or operator of the appliance.

(b) Leak Rate Calculation. Persons adding or removing refrigerant from an appliance must, upon conclusion of that service, provide the owner or operator with documentation that meets the applicable requirements of paragraph (l)(2) of this section. The owner or operator must calculate the leak rate every time refrigerant is added to an appliance unless the addition is made immediately following a retrofit, installation of a new appliance, or qualifies as a seasonal variance.

(c) Requirement to Address Leaks through Appliance Repair, or Retrofitting or Retiring an Appliance. (1) Owners or operators must repair appliances with a leak rate over the applicable leak rate in this paragraph in accordance with paragraphs (d) through (f) of this section unless the owner or operator elects to retrofit or retire the appliance in compliance with paragraphs (h) and (i) of this section. If the owner or operator elects to repair leaks, but fails to bring the leak rate below the applicable leak rate, the owner or operator must create and implement a retrofit or retirement plan in accordance with paragraphs (h) and (i) of this section.

(2) Leak Rates:

(i) 20 percent leak rate for commercial refrigeration equipment;

(ii) 30 percent leak rate for industrial process refrigeration equipment; and

(iii) 10 percent leak rate for comfort cooling appliances or other appliances with a full charge of 50 or more pounds of refrigerant not covered by (c)(2)(i) or (ii) of this section.

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(d) Appliance Repair. Owners or operators must identify and repair leaks in accordance with this paragraph within 30 days (or 120 days if an industrial process shutdown is required) of when refrigerant is added to an appliance exceeding the applicable leak rate in paragraph (c) of this section.

(1) A certified technician must conduct a leak inspection, as described in paragraph (g) of this section, to identify the location of leaks.

(2) Leaks must be repaired such that the leak rate is brought below the applicable leak rate. This must be confirmed by the leak rate calculation performed upon the next refrigerant addition. The leaks will be presumed to be repaired if there is no further refrigerant addition for 12 months after the repair or if the leak inspections required under paragraph (g) do not find any leaks in the appliance. Repair of leaks must be documented by both an initial and a follow-up verification test or tests.

(3) The time frames in paragraphs (d) through(f) of this section are temporarily suspended when an appliance is mothballed. The time will resume on the day additional refrigerant is added to the appliance (or component of an appliance if the leaking component was isolated).

(e) Verification tests. The owner or operator must conduct both initial and follow-up verification tests on each leak that was repaired under paragraph (d) of this section.

(1) Initial verification test. Unless granted additional time, an initial verification test must be performed within 30 days (or 120 days if an industrial process shutdown is required) of an appliance exceeding the applicable leak rate in paragraph (c) of this section. An initial verification test must demonstrate that leaks where a repair attempt was made are repaired.

(i) For repairs that can be completed without the need to open or evacuate the appliance, the test must be performed after the conclusion of the repair work and before any additional refrigerant is added to the appliance.

(ii) For repairs that require the evacuation of the appliance or portion of the appliance, the test must be performed before adding any refrigerant to the appliance.

(iii) If the initial verification test indicates that the repairs have not been successful, the owner or operator may conduct as many additional repairs and initial verification tests as needed within the applicable time period.

(2) Follow-up verification test. A follow-up verification test must be performed within 10 days of the successful initial verification test or 10 days of the appliance reaching normal operating characteristics and conditions (if the appliance or isolated component was evacuated for the repair(s)). Where it is unsafe to be present or otherwise impossible to conduct a follow-up verification test when the system is operating at normal operating characteristics and conditions, the verification test must, where practicable, be conducted prior to the system returning to normal operating characteristics and conditions.

(i) A follow-up verification test must demonstrate that leaks where a repair attempt was made are repaired. If the follow-up verification test indicates that the repairs have not been successful, the owner or operator may conduct as many additional repairs and verification tests as needed to bring the appliance below the leak rate within the applicable time period and to verify the repairs.

(f) Extensions to the appliance repair deadlines. Owners or operators are permitted more than 30 days (or 120 days if an industrial process shutdown is required) to comply with paragraphs (d) and (e) of this section if they meet the requirements of (f)(1) through (4) of this section or the appliance is mothballed. The request will be considered approved unless EPA notifies the owners or operators otherwise.

(1) One or more of the following conditions must apply:

(i) The appliance is located in an area subject to radiological contamination or shutting down the appliance will directly lead to radiological contamination. Additional time is permitted to the extent needed to conduct and finish repairs in a safe working environment.

(ii) Requirements of other applicable Federal, state, or local regulations make a repair within 30 days (or 120 days

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if an industrial process shutdown is required) impossible. Additional time is permitted to the extent needed to comply with the pertinent regulations.

(iii) Components that must be replaced as part of the repair are not available within 30 days (or 120 days if an industrial process shutdown is required). Additional time is permitted up to 30 days after receiving delivery of the necessary components, not to exceed 180 days (or 270 days if an industrial process shutdown is required) from the date the appliance exceeded the applicable leak rate.

(2) Repairs to leaks that the technician has identified as significantly contributing to the exceedance of the leak rate and that do not require additional time must be completed and verified within the initial 30 day repair period (or 120 day repair period if an industrial process shutdown is required);

(3) The owner or operator must document all repair efforts and the reason for the inability to make the repair within the initial 30 day repair period (or 120 day repair period if an industrial process shutdown is required); and

(4) The owner or operator must request an extension from EPA at the address specified in paragraph (m) of this section within 30 days (or 120 days if an industrial process shutdown is required) of the appliance exceeding the applicable leak rate in paragraph (c) of this section. Extension requests must include: Identification and address of the facility; the name of the owner or operator of the appliance; the leak rate; the method used to determine the leak rate and full charge; the date the appliance exceeded the applicable leak rate; the location of leak(s) to the extent determined to date; any repair work that has been performed thus far, including the date that work was completed; the reasons why more than 30 days (or 120 days if an industrial process shutdown is required) are needed to complete the repair; and an estimate of when the work will be completed. If the estimated completion date is to be extended, a new estimated date of completion and documentation of the reason for that change must be submitted to EPA within 30 days of identifying that the completion date must be extended. The owner or operator must keep a dated copy of this submission.

(g) Leak Inspections.

(1) The owner or operator must conduct a leak inspection in accordance with the following schedule on any appliance exceeding the applicable leak rate in paragraph (c)(2) of this section.

(i) For commercial refrigeration and industrial process refrigeration appliances with a full charge of 500 or more pounds, leak inspections must be conducted once every three months until the owner or operator can demonstrate through the leak rate calculations required under paragraph (b) of this section that the appliance has not leaked in excess of the applicable leak rate for four quarters in a row.

(ii) For commercial refrigeration and industrial process refrigeration appliances with a full charge of 50 or more pounds but less than 500 pounds, leak inspections must be conducted once per calendar year until the owner or operator can demonstrate through the leak rate calculations required under paragraph (b) of this section that the appliance has not leaked in excess of the applicable leak rate for one year.

(iii) For comfort cooling appliances and other appliances not covered by paragraphs (g (1)(i) and (ii) of this section, leak inspections must be conducted once per calendar year until the owner or operator can demonstrate through the leak rate calculations required under paragraph (b) of this section that the appliance has not leaked in excess of the applicable leak rate for one year.

(2) Leak inspections must be conducted by a certified technician using method(s) determined by the technician to be appropriate for that appliance.

(3) All visible and accessible components of an appliance must be inspected, with the following exceptions:

(i) Where components are insulated, under ice that forms on the outside of equipment, underground, behind walls, or are otherwise inaccessible;

(ii) Where personnel must be elevated more than two meters above a support surface; or

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(iii) Where components are unsafe to inspect, as determined by site personnel.

(4) Quarterly or annual leak inspections are not required on appliances, or portions of appliances, continuously monitored by an automatic leak detection system that is audited or calibrated annually. An automatic leak detection system may directly detect refrigerant in air, monitor its surrounding in a manner other than detecting refrigerant concentrations in air, or monitor conditions of the appliance.

(i) For systems that directly detect the presence of a refrigerant in air, the system must:

(A) Only be used to monitor components located inside an enclosed building or structure;

(B) Have sensors or intakes placed so that they will continuously monitor the refrigerant concentrations in air in proximity to the compressor, evaporator, condenser, and other areas with a high potential for a refrigerant leak;

(C) Accurately detect a concentration level of 10 parts per million of vapor of the specific refrigerant or refrigerants used in the refrigeration appliance(s); and

(D) Alert the owner or operator when a refrigerant concentration of 100 parts per million of vapor of the specific refrigerant or refrigerants used in the refrigeration appliance(s) is reached.

(ii) For a system that monitors its surrounding in a manner other than detecting refrigerant concentrations in air or monitor conditions of the appliance, the system must automatically alert the owner or operator when measurements indicate a loss of 50 pounds of refrigerant or 10 percent of the full charge, whichever is less.

(iii) When automatic leak detection equipment is only being used to monitor portions of an appliance, the remainder of the appliance continues to be subject to any applicable leak inspection requirements.

(h) Retrofit or retirement plans. (1) The owner or operator must create a retrofit or retirement plan within 30 days of:

(i) an appliance leaking above the applicable leak rate in paragraph (c) of this section if the owner or operator intends to retrofit or retire rather than repair the leak;

(ii) an appliance leaking above the applicable leak rate in paragraph (c) of this section if the owner or operator fails to take any action to identify or repair the leak; or

(iii) an appliance continues to leak above the applicable leak rate after having conducted the required repairs and verification tests under paragraphs (d) and (e) of this section.

(2) A retrofit or retirement plan must, at a minimum, contain the following information:

(i) Identification and location of the appliance;

(ii) Type and full charge of the refrigerant used in the appliance;

(iii) Type and full charge of the refrigerant to which the appliance will be converted, if retrofitted;

(iv) Itemized procedure for converting the appliance to a different refrigerant, including changes required for compatibility with the new substitute, if retrofitted;

(v) Plan for the disposition of recovered refrigerant;

(vi) Plan for the disposition of the appliance, if retired; and

(vii) A schedule, not to exceed one-year, for completion of the appliance retrofit or retirement.

(3) The retrofit or retirement plan must be signed by an authorized company official, dated, accessible at the site of the

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appliance in paper copy or electronic format, and available for EPA inspection upon request.

(4) All identified leaks must be repaired as part of any retrofit under such a plan.

(5) (i) Unless granted additional time, all work performed in accordance with the plan must be finished within one year of the plan's date (not to exceed 13 months from when the plan was required in paragraph (h)(1) of this section).

(ii) The owner or operator may request that EPA relieve it of the obligation to retrofit or retire an appliance if the owner or operator can establish within 180 days of the plan's date that the appliance no longer exceeds the applicable leak rate and if the owner or operator agrees in writing to repair all identified leaks within one year of the plan's date consistent with paragraph (h)(4) and (h)(5)(i) of this section. The owner or operator must submit to EPA the retrofit or retirement plan as well as the following information: The date that the requirement to develop a retrofit or retirement plan was triggered; the leak rate; the method used to determine the leak rate and full charge; the location of the leak(s) identified in the leak inspection; a description of repair work that has been completed; a description of repair work that has not been completed; a description of why the repair was not conducted within the time frames required under paragraphs (d) and (f) of this section; and a statement signed by an authorized official that all identified leaks will be repaired and an estimate of when those repairs will be completed (not to exceed one year from date of the plan). The request will be considered approved unless EPA notifies the owners or operators within 60 days of receipt of the request that it is not approved.

(i) Extensions to the one-year retrofit or retirement schedule. Owners or operators may request more than one year to comply with paragraph (h) of this section if they meet the requirements of this paragraph. The request will be considered approved unless EPA notifies the owners or operators within 60 days of receipt of the request that it is not approved. The request must be submitted to EPA at the address specified in §82.157(m) within seven months of discovering the appliance exceeded the applicable leak rate. The request must include the identification of the appliance; name of the owner or operator; the leak rate; the method used to determine the leak rate and full charge; the date the appliance exceeded the applicable leak rate; the location of leaks(s) to the extent determined to date; any repair work that has been finished thus far, including the date that work was finished; a plan to finish the retrofit or retirement of the appliance; the reasons why more than one year is necessary to retrofit or retire the appliance; the date of notification to EPA; and an estimate of when retrofit or retirement work will be finished. A dated copy of the request must be available on-site in either electronic or paper copy. If the estimated completion date is to be revised, a new estimated date of completion and documentation of the reason for that change must be submitted to EPA at the address specified in §82.157(m) within 30 days. Additionally, the time frames in paragraphs (h) and (i) of this section are temporarily suspended when an appliance is mothballed. The time will resume running on the day additional refrigerant is added to the appliance (or component of an appliance if the leaking component was isolated).

(1) Extensions available to any appliance. Owners or operators of commercial refrigeration, industrial process refrigeration, comfort-cooling, or other equipment are automatically allowed 18 months to retire an appliance if the replacement appliance uses a substitute refrigerant exempted under §82.154(a).

(2) Extensions available to industrial process refrigeration. Owners or operators of industrial process refrigeration equipment may request additional time beyond the one-year period in paragraph (h) of this section to finish the retrofit or retirement under the following circumstances.

(i) Requirements of other applicable Federal, state, or local regulations make a retrofit or retirement within one year impossible. Additional time is permitted to the extent needed to comply with the pertinent regulations;

(ii) The new or the retrofitted equipment is custom-built as defined in this subpart and the supplier of the appliance or one of its components has quoted a delivery time of more than 30 weeks from when the order is placed. The appliance or appliance components must be installed within 120 days after receiving delivery of the necessary parts; or

(iii) After receiving an extension under paragraph (i)(2)(ii) of this section, owners or operators may request additional time if necessary to finish the retrofit or retirement of equipment. The request must be submitted to EPA before the end of the ninth month of the initial extension and must include the same information submitted for that extension, with any necessary revisions. A dated copy of the request must be available on-site in either electronic or paper copy. The request will be considered approved unless EPA notifies the owners or operators within 60 days of receipt of the request that it is not approved.

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(3) [Paragraph 82.157(i)(3) is not applicable to GE.]

(j) Chronically leaking appliances. Owners or operators of appliances containing 50 pounds or more of refrigerant that leak 125 percent or more of the full charge in a calendar year must submit a report to EPA at the address in paragraph (m) of this section. This report must be submitted by March 1 of the subsequent year and describe efforts to identify leaks and repair the appliance.

(k) Purged refrigerant. In calculating annual leak rates, purged refrigerant that is destroyed at a verifiable destruction efficiency of 98 percent or greater will not be counted toward the leak rate.

(l) Recordkeeping. All records identified in this paragraph must be kept for at least three years in electronic or paper format, unless otherwise specified.

(1) Owners or operators must determine the full charge of all appliances with 50 or more pounds of refrigerant and maintain the following information for each appliance until three years after the appliance is retired:

(i) The identification of the owner or operator of the appliance;

(ii) The address where the appliance is located;

(iii) The full charge of the appliance and the method for how the full charge was determined;

(iv) If using method 4 (using an established range) for determining full charge, records must include the range for the full charge of the appliance, its midpoint, and how the range was determined;

(v) Any revisions of the full charge, how they were determined, and the dates such revisions occurred.

(2) Owners or operators must maintain a record including the following information for each time an appliance with a full charge of 50 or more pounds is maintained, serviced, repaired, or disposed of, when applicable. If the maintenance, service, repair, or disposal is done by someone other than the owner or operator, that person must provide a record containing the following information, with the exception of (l)(2)(vii) and (viii) of this section, to the owner or operator:

(i) The identity and location of the appliance;

(ii) The date of the maintenance, service, repair, or disposal performed;

(iii) The part(s) of the appliance being maintained, serviced, repaired, or disposed;

(iv) The type of maintenance, service, repair, or disposal performed for each part;

(v) The name of the person performing the maintenance, service, repair, or disposal;

(vi) The amount and type of refrigerant added to, or in the case of disposal removed from, the appliance;

(vii) The full charge of the appliance; and

(viii) The leak rate and the method used to determine the leak rate (not applicable when disposing of the appliance, following a retrofit, installing a new appliance, or if the refrigerant addition qualifies as a seasonal variance).

(3) Owners or operators must keep records of leak inspections that include the date of inspection, the method(s) used to conduct the leak inspection, a list of the location of each leak that was identified, and a certification that all visible and accessible parts of the appliance were inspected. Technicians conducting leak inspections must, upon conclusion of that service, provide the owner or operator of the appliance with documentation that meets these requirements.

(4) If using an automatic leak detection system, the owner or operator must maintain records regarding the installation and the annual audit and calibration of the system, a record of each date the monitoring system identified a leak, and the

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location of the leak.

(5) Owners or operators must maintain records of the dates and results of all initial and follow-up verification tests. Records must include the location of the appliance, the date(s) of the verification tests, the location(s) of all repaired leaks that were tested, the type(s) of verification test(s) used, and the results of those tests. Technicians conducting initial or follow-up verification tests must, upon conclusion of that service, provide the owner or operator of the appliance with documentation that meets these requirements.

(6) Owners or operators must maintain retrofit or retirement plans developed in accordance with paragraph (h) of this section.

(7) Owners or operators must maintain retrofit and/or extension requests submitted to EPA in accordance with paragraph (i) of this section.

(8) Owners or operators that suspend the deadlines in this section by mothballing an appliance must keep records documenting when the appliance was mothballed and when additional refrigerant was added to the appliance (or isolated component).

(9) Owners or operators who exclude purged refrigerants that are destroyed from annual leak rate calculations must maintain records to support the amount of refrigerant claimed as sent for destruction. Records must be based on a monitoring strategy that provides reliable data to demonstrate that the amount of refrigerant claimed to have been destroyed is not greater than the amount of refrigerant actually purged and destroyed and that the 98 percent or greater destruction efficiency is met. Records must include flow rate, quantity or concentration of the refrigerant in the vent stream, and periods of purge flow. Records must include:

(i) The identification of the facility and a contact person, including the address and telephone number;

(ii) A description of the appliance, focusing on aspects relevant to the purging of refrigerant and subsequent destruction;

(iii) A description of the methods used to determine the quantity of refrigerant sent for destruction and type of records that are being kept by the owners or operators where the appliance is located;

(iv) The frequency of monitoring and data-recording; and

(v) A description of the control device, and its destruction efficiency.

(10) Owners or operators that exclude additions of refrigerant due to seasonal variance from their leak rate calculation must maintain records stating that they are using the seasonal variance flexibility and documenting the amount added and removed under §82.157(l)(2).

(11) Owners or operators that submit reports to EPA in accordance with paragraph (m) of this section must maintain copies of the submitted reports and any responses from EPA.

(m) Reporting. All notifications must be submitted electronically to 608reports@epa.gov unless the notification contains confidential business information. If the notification contains confidential business information, the information should be submitted to: Section 608 Program Manager; Stratospheric Protection Division; Mail Code: 6205T; U.S. Environmental Protection Agency; 1200 Pennsylvania Avenue NW., Washington, DC 20460.

(1) Owners or operators must notify EPA at this address in accordance with paragraph (f) of this section when seeking an extension of time to complete repairs.

(2) Owners or operators must notify EPA at this address in accordance with paragraph (h)(5)(ii) of this section when seeking relief from the obligation to retrofit or retire an appliance.

(3) Owners or operators must notify EPA at this address in accordance with paragraph (i) of this section when seeking

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an extension of time to complete the retrofit or retirement of an appliance.

(4) Owners or operators must notify EPA at this address in accordance with paragraph (j) of this section for any appliance that leaks 125 percent or more of the full charge in a calendar year.

(5) When excluding purged refrigerants that are destroyed from annual leak rate calculations, owners or operators must notify EPA at this address within 60 days after the first time the exclusion is used by the facility where the appliance is located. The report must include the information included in paragraph (l)(9) of this section.

[81 FR 82356, Nov. 18, 2016, as amended at 85 FR 14171, Apr. 10, 2020]

 # 029 [40 CFR Part 82 Protection of Stratospheric Ozone §40 CFR 82.158]

Subpart F--Recycling and Emissions Reduction

Standards for recycling and recovery equipment.

Starting January 1, 2017, this section applies to recovery and/or recycling equipment for use during the maintenance, service, repair, or disposal of appliances containing any class I or class II refrigerant or any non-exempt substitute refrigerant.

(a) No person may manufacture or import recovery and/or recycling equipment for use during the maintenance, service, repair, or disposal of appliances unless the equipment is certified in accordance with this section.

(b) No person may alter the design of certified refrigerant recovery and/or recycling equipment in a way that would affect the equipment's ability to meet the certification standards in this section without resubmitting the altered design for certification testing. Until it is tested and shown to meet the certification standards in this section, equipment so altered will be considered uncertified.

(c) Recovery and/or recycling equipment manufactured or imported before November 15, 1993, intended for use during the maintenance, service, repair, or disposal of appliances (except small appliances, MVACs, and MVAC-like appliances) will be considered certified if it is capable of achieving the level of evacuation specified in Table 2 of this section when tested using a properly calibrated pressure gauge.

(d) [Paragraph (d) of the regulation is not applicable to GE.]

(e) Small Appliances. Equipment used during the maintenance, service, repair, or disposal of small appliances must be certified by an approved equipment testing organization to be capable of recovering 90 percent of the refrigerant in the test stand when the compressor of the test stand is operational and 80 percent of the refrigerant when the compressor of the test stand is not operational, when used in accordance with the manufacturer's instructions under the conditions of appendix C, Method for Testing Recovery Devices for Use with Small Appliances.

(1) Equipment manufactured or imported before November 15, 1993, will be considered certified if it is capable of either recovering 80 percent of the refrigerant in the system, whether or not the compressor of the test stand is operational, or achieving a four-inch vacuum when tested using a properly calibrated pressure gauge.

(2) Equipment manufactured or imported on or after November 15, 1993, may also be certified if it is capable of achieving a four-inch vacuum under the conditions of appendix B1 of this subpart, based upon ARI Standard 740-1993.

(3) Equipment manufactured or imported on or after September 22, 2003, and before January 1, 2017, may also be certified if it is capable of achieving a four-inch vacuum under the conditions of appendix B2 of this subpart, based upon ARI Standard 740-1995.

(4) Equipment manufactured or imported on or after January 1, 2017, may also be certified if it is capable of achieving a four-inch vacuum under the conditions of appendix B3 of this subpart (for non-flammable refrigerants), based upon AHRI Standard 740-2016 or appendix B4 of this subpart (for flammable refrigerants), based upon both AHRI Standard 740-2016 and UL 1963, Supplement SB, Requirements for Refrigerant Recovery/Recycling Equipment Intended for Use with a Flammable Refrigerant, Fourth Edition, June 1, 2011.

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(5) Equipment used to evacuate any class I or class II refrigerant or any non-exempt substitute refrigerant from small appliances before they are disposed of may also be certified if it is capable of achieving a four-inch vacuum when tested using a properly calibrated pressure gauge.

(f) MVAC-like appliances.

(1) Manufacturers and importers of recovery and/or recycling equipment intended for use during the maintenance, service, repair, or disposal of MVAC-like appliances must certify such equipment in accordance with subpart B of this part.

(2) Equipment manufactured or imported before November 15, 1993, intended for use during the maintenance, service, or repair of MVAC-like appliances must be capable of reducing the system pressure to 102 mm of mercury vacuum under the conditions of appendix A of subpart B of this part.

(g) - (k) [Paragraphs (g) through (k) of the regulation are not applicable to GE.]

[81 FR 82360, Nov. 18, 2016]

VII. ADDITIONAL REQUIREMENTS.

 # 030 [25 Pa. Code §121.1 M - Z]

Definitions.

[Definition from 25 Pa. Code § 121.1]

Stationary internal combustion engine or stationary reciprocating internal combustion engine—

(i) An internal combustion engine which uses reciprocating motion to convert heat energy into mechanical work and which is not mobile.

(ii) The term does not include the following:

(A) A combustion turbine.

(B) A nonroad engine as defined in 40 CFR 1068.30 (relating to what definitions apply to this part), excluding paragraph (2)(ii) of this definition.

(C) An engine used to propel a motor vehicle, an aircraft or a vehicle used solely for competition.

(D) A portable temporary source such as an air compressor or generator.

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[From 40 CFR § 1068.30]

Nonroad engine means:

(1) Except as discussed in paragraph (2) of this definition, a nonroad engine is an internal combustion engine that meets any of the following criteria:

(i) - (ii) [Not applicable]

(iii) By itself or in or on a piece of equipment, it is portable or transportable, meaning designed to be and capable of being carried or moved from one location to another. Indicia of transportability include, but are not limited to, wheels, skids, carrying handles, dolly, trailer, or platform.

(2) An internal combustion engine is not a nonroad engine if it meets any of the following criteria:

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(i) -(ii) [Not applicable]

(iii) The engine otherwise included in paragraph (1)(iii) of this definition remains or will remain at a location for more than 12 consecutive months. A location is any single site at a building, structure, facility, or installation. For any engine (or engines) that replaces an engine at a location and that is intended to perform the same or similar function as the engine replaced, include the time period of both engines in calculating the consecutive time period. See §1068.31 for provisions that apply if the engine is removed from the location. [Regulatory text pertaining to seasonal sources has been omitted from this paragraph.]

[81 FR 74218, Oct. 25, 2016]

[The definitions of stationary and nonroad engines are included in the permit since these definitions pertain to a source that is still onsite, but is no longer listed as a source in the Title V permit as of the 2017 TV permit renewal. A diesel-fueled 263 hp emergency generator which was previously considered to be a Stationary engine (Source 963) is now considered to be a non-road engine. This engine continues to function as an emergency generator, but it is mounted onto a skid so that it may be moved to supply emergency power wherever it is needed. When not in use, it is stored inside one of the maintenance buildings.]

 # 031 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee is granted 1.8 ton of VOC Emission Reduction Credits (ERCs) which shall expire if not consumed prior to December 31, 2006. The ERCs were generated from the shutdown of the following sources:

(1) Parts Cleaning Tank - Mineral Spirits

(2) Mineral Spirits Parts Washer

(b) The permittee is granted 0.93 ton of VOC internal offsets from the shutdown of the following sources:

(1) Paint Booth D41464

(2) Surface Coating D412738

(3) Surface Coating - Varnish Dip Tank D412117

(c) MEK usage for the facility shall not exceed 5,430 gallon per year based on a consecutive 12-month period.

(d) 1514 Thinner Solvent usage for the facility shall not exceed sixteen (16) 55-gallon drums per year based on a consecutive 12-month period.

(e) Odorless Mineral Spirits (Varnish Oil) usage for the facility shall not exceed thirty-six (36) 55-gallon drums per year based on a consecutive 12-month period.

(f) Xylene usage for the facility shall not exceed 621 gallons per year based on a consecutive 12-month period.

(g) SC100 usage for the facility shall not exceed eighteen (18) 55-gallon drums per year based on a consecutive 12-month period.

(h) The permittee and any subsequent user of the credits shall comply with the requirements of 25 PA Code 127.206, 127.207, and 127.208.

[Parts (a) - (h) from plan approval PA-25-025B]

(i) GE Transportation is granted the remaining 280.9 tpy of NOx and 1.7 tpy of VOC emission reduction credits (ERCs) after new source review (NSR) applicability. These ERCs are generated from the shutdown of boiler #2. Boiler #2 was shutdown on December 13, 2001. GE Transportation generated a total of 624.9 ton of NOx and 1.7 ton of VOC emission

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reduction credits with the shutdown of boiler #2. Subsequently, GE Transportation utilized 344 ton of NOx credits to net out of 25 Pa. Code, Subchapter E, NSR requirements.

(j) Pursuant to the provisions of 25 Pa. Code Section 127.206(f), the ERCs generated in this approval shall expire if not consumed within 10 years from the source shutdown date as shown in part (j).

(k) GE Transportation and any subsequent user of these credits shall comply with the requirements of 25 Pa. Code §127.206, §127.207, and §127.208 regarding ERC use and transfer requirements.

(l) These ERCs may be used, traded or sold after the approved entry of the ERCs by the Department into the Pennsylvania ERC Registry System.

(m) The #2 boiler (Babcock & Wilcox, 420 MMBtu/hr) shall remain permanently shutdown. If the company plans to bring the shutdown source back into production, the company shall submit an appropriate plan approval application. Any subsequent emissions from the shutdown source shall comply with New Source Review (NSR) regulations in 25 Pa. Code 127 Subchapter E.

(n) Pursuant to the provisions of 25 Pa. Code Section 127.207(7), if the ERC generating source has not been dismantled or removed, the company must submit to the Department on an annual basis the verification of the continuance of the shutdown.

[Parts (i) - (n) from PA: 25-025D Condition No. 21 - 26]

 # 032 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[From Plan Approval 25-025J]

(a) The Department hereby certifies the emission reduction credits (ERCs) as described below.

1. This ERC Approval is for the following source:

Shut Down Source	Shutdown Date
Babcock & Wilcox Coal Fired Boiler #1 (Source 031)	6/6/2005

(b) The ERC approval is subject to the special conditions listed below.

(1) These ERCs are subject to the requirements of 25 Pa. Code, Chapter 127, Subpart E.

(2) The facility shall notify the person below when the ERCs are transferred so that the proper ERC registry changes can be made.

(3) The facility has created and generated the following ERCs from the shutdown of the source listed in condition (a)(1):

(i) NOx: 197.2 tons expiring 6-6-15
(ii) SOx: 943.2 tons expiring 6-6-15
(iii) VOC: 1.1 tons expiring 6-6-15

(4) The facility as of plan approval issuance has the following ERCs at their disposal:
[reserverd-- see Additional Condition for Plan Approval L]

(5) The facility and any subsequent user of these credits shall comply with the requirements of 25 Pa. Code §127.206, §127.207, and §127.208 regarding ERC use and transfer requirements.

(6) Any future NOx and VOC emissions from this facility must comply with the New Source Review regulations under 25 Pa. Code §127, Subchapter E.

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(7) These ERCs may be used, traded or sold after the approved entry of the ERCs by the Department into the Pennsylvania ERC Registry System.

(8) The source listed in condition (a)(1) shall remain permanently shutdown. If the company plans to bring the shutdown sources back into production, the company shall submit an appropriate plan approval application. Any subsequent emissions from the shutdown source shall comply with New Source Review (NSR) regulations in 25 Pa. Code 127 Subchapter E.

(9) The ERCs generated from this source will expire for use as offsets after 10 years. The use of these ERCs in applicability determinations for netting purposes is limited to the period specified in Pa Code Section 127.211.

(10) Pursuant to the provisions of 25 Pa. Code Section 127.207(7), if the ERC generating source has not been dismantled or removed, the company must submit to the Department on an annual basis the verification of the continuance of the shutdown.

(11) Any notification as a result of any condition herein should be directed to:
Air Quality Program Manager
Department of Environmental Protection
230 Chestnut Street
Meadville, PA 16335

 # 033 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[From Plan Approval 25-025L]

(a) The Department hereby certifies the emission reduction credits (ERCs) as described below.
1. This ERC Approval is for the following source:

Shut Down Source:	Shutdown Date
Combustion Engineering Coal Fired Boiler #5 (Source 033):	6/30/2006
Babcock & Wilcox Coal Fired Boiler #9 (Source 035):	6/30/2006

(b) The ERC approval is subject to the special conditions listed below.

(1) These ERCs are subject to the requirements of 25 Pa. Code, Chapter 127, Subpart E.

(2) The facility shall notify the person below when the ERCs are transferred so that the proper ERC registry changes can be made.

(3) The facility has created and generated the following ERCs from the shutdown of the sources listed in condition (a)(1):

(A) Boiler # 5
(1) NOx: 74.5 tons expiring 6-30-16
(2) SOx: 383.0 tons expiring 6-30-16
(3) VOC: 0.39 tons expiring 6-30-16
(4) CO: 12.7 tons expiring 6-30-16
(5) PM/PM10/PM2.5: 14.6 tons expiring 6-30-16

(B) Boiler # 9
(1) NOx: 174.0 tons expiring 6-30-16
(2) SOx: 843.0 tons expiring 6-30-16
(3) VOC: 0.88 tons expiring 6-30-16
(4) CO: 26.2 tons expiring 6-30-16
(5) PM/PM10/PM2.5: 13.6 tons expiring 6-30-16

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(D) Total for Both Boilers
(1) NOx: 248.5 tons expiring 6-30-16
(2) SOx: 1,226.0 tons expiring 6-30-16
(3) VOC: 1.3 tons expiring 6-30-16
(4) CO: 38.9 tons expiring 6-30-16
(5) PM/PM10/PM2.5: 28.2 tons expiring 6-30-16

(4) The facility as of plan approval issuance has the following ERCs at their disposal based on the plan approval application and no additional changes to the registry:

(a) NOx: 565.1 tons of which
119.4 tons expiring 12-31-10
197.2 tons expiring 6-6-15
248.5 tons expiring 6-30-16
(b) SOx: 4,175.9 tons of which
2,006.7 tons expiring 12-31-10
943.2 tons expiring 6-6-15
1,226 tons expiring 6-30-16
(c) VOC: 4.1 tons of which
1.7 tons expiring 12-31-10
1.1 tons expiring 6-6-15
1.3 tons expiring 6-30-16
(d) PM/PM10/PM2.5: 57.7 tons of which
29.5 tons expiring 12-31-10
28.2 tons expiring 6-30-16
(e) CO: 150.8 tons of which
111.9 tons expiring 12-31-10
38.9 tons expiring 6-30-16

(5) The facility and any subsequent user of these credits shall comply with the requirements of 25 Pa. Code §127.206, §127.207, and §127.208 regarding ERC use and transfer requirements.

(6) Any future NOx and VOC emissions from this facility must comply with the New Source Review regulations under 25 Pa. Code §127, Subchapter E.

(7) These ERCs may be used, traded or sold after the approved entry of the ERCs by the Department into the Pennsylvania ERC Registry System.

(8) The sources listed in condition (a)(1) shall remain permanently shutdown. If the company plans to bring the shutdown sources back into production, the company shall submit an appropriate plan approval application. Any subsequent emissions from the shutdown source shall comply with New Source Review (NSR) regulations in 25 Pa. Code 127 Subchapter E.

(9) The ERCs generated from these sources will expire for use as offsets after 10 years. The use of these ERCs in applicability determinations for netting purposes is limited to the period specified in Pa Code Section 127.203a.

(10) Pursuant to the provisions of 25 Pa. Code Section 127.207(7), if the ERC generating source has not been dismantled or removed, the company must submit to the Department on an annual basis the verification of the continuance of the shutdown.

(11) Any notification as a result of any condition herein should be directed to:
Air Quality Program Manager
Department of Environmental Protection
230 Chestnut Street
Meadville, PA 16335

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 # 034 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

[From condition 016 of Plan Approval 25-025N]
(a) Emission Reduction Credit Requirements

(1) Not applicable. [Plan approval 25-025N condition 016(a)(1) has already been met and therefore is no longer applicable.]

(2) The company has entered into an agreement with International Paper to purchase emission reduction credits in the amount of 75 tons per year of VOCs to offset the contemporaneous increase in VOC emissions of 64.74 tons per year. The VOC ERCs were generated and created by the permanent shutdown of the International Paper facility in Erie County.

(3) If the amount of required emission reduction credits increases, the company shall secure emission offsets according to a schedule determined by the Department.

 # 035 [40 CFR Part 82 Protection of Stratospheric Ozone §40 CFR 82.150]
Subpart F--Recycling and Emissions Reduction
Purpose and scope.

(a) The purpose of this subpart is to reduce emissions of class I and class II refrigerants and their non-exempt substitutes to the lowest achievable level by maximizing the recapture and recycling of such refrigerants during the maintenance, service, repair, and disposal of appliances and restricting the sale of refrigerants consisting in whole or in part of a class I or class II ozone-depleting substance or their non-exempt substitutes in accordance with Title VI of the Clean Air Act.

(b) This subpart applies to any person maintaining, servicing, or repairing appliances containing class I, class II or non-exempt substitute refrigerants. This subpart also applies to persons disposing of such appliances (including small appliances and motor vehicle air conditioners), refrigerant reclaimers, technician certifying programs, appliance owners and operators, manufacturers of appliances, manufacturers of recovery and/or recycling equipment, approved recovery and/or recycling equipment testing organizations, and persons buying, selling, or offering to sell class I, class II, or non-exempt substitute refrigerants.

[81 FR 82349, Nov. 11, 2016]

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[The following subsections of 40 CFR Part 82 Subpart F are not applicable to GE Erie.]

82.160, Approved equipment testing organizations. This subsection is not applicable to GE because GE does not certify equipment and is not an "Approved equipment testing organization."

82.164, Reclaimer certification. This section does not apply to GE because GE does not ‘reclaim used Class I or II refrigerants or non-exempt substitute refrigerants for sale to a new owner. GE sends used refrigerants to third party commercial reclaimers for dispostion.

82.169, Suspension & revocation procedures. This section does not apply to GE because GE does not certify technicians, nor acts as a recovery/recycling equipment testing organization, nor maintains a reclaimer certification.

Appendix A, Specifications for Refrigerants. This table is not included in the permit because it applies to ‘Reclaimers’ as specified in 82.164 and GE does not reclaim any refrigerants. GE sends used refrigerants to third party commercial reclaimers for disposition.

Appendix A1, Generic Maximum Contaminant Levels. This appendix is not referenced by or from any subsection of Subpart F and therefore is not applicable to GE.

Appendix B1, Performance of Refrigerant Recovery, Recycling, and/or Reclaim Equipment.
Appendix B2, Performance of Refrigerant Recovery, Recycling, and/or Reclaim Equipment.

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Appendix B3, Performance of Refrigerant Recovery, Recycling, and/or Reclaim Equipment.
Appendix B4, Performance of Refrigerant Recovery, Recycling, and/or Reclaim Equipment.
Appendix C, Methods for Testing Recovery Devices for Use with Small Appliances.
None of Appendices B1, B2, B3, B4, or C apply to GE because GE does not certify equipment and is not an 'Approved equipment testing organization.'

Appendix D, Standards for Becoming a Certifying Program for Technicians. This appendix does not apply to GE because they do not certify technicians.

Appendix E, Test Procedure for Leaks From Containers Holding Two Pounds or Less of Refrigerant for Use in an MVAC. This appendix does not apply to GE because they do not service MVACs as defined in §§ 82.152 & 82.32.

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[The following appendices are applicable to GE and are incorporated into this Title V permit by reference to the regulation.]

Appendix A to Subpart A of Part 82 of Title 40 CFR, Class I Controlled Substances.
Appendix B to Subpart A of Part 82 of Title 40 CFR, Class II Controlled Substances.

 # 036 [40 CFR Part 82 Protection of Stratospheric Ozone §40 CFR 82.152]

Subpart F--Recycling and Emissions Reduction

Definitions.

[Selected definitions from 40 CFR § 82.152 are printed below. Refer to regulation for remaining definitions of 40 CFR Part 82 Subpart F.]

Appliance means any device which contains and uses a class I or class II substance or substitute as a refrigerant and which is used for household or commercial purposes, including any air conditioner, motor vehicle air conditioner, refrigerator, chiller, or freezer. For a system with multiple circuits, each independent circuit is considered a separate appliance.

Class I refers to an ozone-depleting substance that is listed in 40 CFR part 82 subpart A, appendix A.

Class II refers to an ozone-depleting substance that is listed in 40 CFR part 82 subpart A, appendix B.

Certified refrigerant recovery or recycling equipment means equipment manufactured before November 15, 1993, that meets the standards in §82.158(c), (e), or (g); equipment certified by an approved equipment testing organization to meet the standards in §82.158(b), (d), or (f); or equipment certified pursuant to §82.36(a).

Commercial refrigeration means the refrigeration appliances used in the retail food and cold storage warehouse sectors. Retail food appliances include the refrigeration equipment found in supermarkets, convenience stores, restaurants and other food service establishments. Cold storage includes the refrigeration equipment used to store meat, produce, dairy products, and other perishable goods.

Component means a part of the refrigerant circuit within an appliance including, but not limited to, compressors, condensers, evaporators, receivers, and all of its connections and subassemblies.

Custom-built means that the industrial process equipment or any of its components cannot be purchased and/or installed without being uniquely designed, fabricated and/or assembled to satisfy a specific set of industrial process conditions.

Disposal means the process leading to and including:

(1) The discharge, deposit, dumping or placing of any discarded appliance into or on any land or water;

(2) The disassembly of any appliance for discharge, deposit, dumping or placing of its discarded component parts into

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or on any land or water;

(3) The vandalism of any appliance such that the refrigerant is released into the environment or would be released into the environment if it had not been recovered prior to the destructive activity;

(4) The disassembly of any appliance for reuse of its component parts; or

(5) The recycling of any appliance for scrap.

Follow-up verification test means those tests that involve checking the repairs to an appliance after a successful initial verification test and after the appliance has returned to normal operating characteristics and conditions to verify that the repairs were successful. Potential methods for follow-up verification tests include, but are not limited to, the use of soap bubbles as appropriate, electronic or ultrasonic leak detectors, pressure or vacuum tests, fluorescent dye and black light, infrared or near infrared tests, and handheld gas detection devices.

Full charge means the amount of refrigerant required for normal operating characteristics and conditions of the appliance as determined by using one or a combination of the following four methods:

(1) Use of the equipment manufacturer's determination of the full charge;

(2) Use of appropriate calculations based on component sizes, density of refrigerant, volume of piping, and other relevant considerations;

(3) Use of actual measurements of the amount of refrigerant added to or evacuated from the appliance, including for seasonal variances; and/or

(4) Use of an established range based on the best available data regarding the normal operating characteristics and conditions for the appliance, where the midpoint of the range will serve as the full charge.

High-pressure appliance means an appliance that uses a refrigerant with a liquid phase saturation pressure between 170 psia and 355 psia at 104º F. Examples include but are not limited to appliances using R-22, R-407A, R-407C, R-410A, and R-502.

Industrial process refrigeration means complex customized appliances that are directly linked to the processes used in, for example, the chemical, pharmaceutical, petrochemical, and manufacturing industries. This sector also includes industrial ice machines, appliances used directly in the generation of electricity, and ice rinks. Where one appliance is used for both industrial process refrigeration and other applications, it will be considered industrial process refrigeration equipment if 50 percent or more of its operating capacity is used for industrial process refrigeration.

Industrial process shutdown means when an industrial process or facility temporarily ceases to operate or manufacture whatever is being produced at that facility.

Initial verification test means those leak tests that are conducted after the repair is finished to verify that a leak or leaks have been repaired before refrigerant is added back to the appliance.

Leak rate means the rate at which an appliance is losing refrigerant, measured between refrigerant charges. The leak rate is expressed in terms of the percentage of the appliance's full charge that would be lost over a 12-month period if the current rate of loss were to continue over that period. The rate must be calculated using one of the following methods. The same method must be used for all appliances subject to the leak repair requirements located at an operating facility.

(1) Annualizing Method.

(i) Step 1. Take the number of pounds of refrigerant added to the appliance to return it to a full charge, whether in one addition or if multiple additions related to same leak, and divide it by the number of pounds of refrigerant the appliance normally contains at full charge;

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(ii) Step 2. Take the shorter of the number of days that have passed since the last day refrigerant was added or 365 days and divide that number by 365 days;

(iii) Step 3. Take the number calculated in Step 1 and divide it by the number calculated in Step 2; and

(iv) Step 4. Multiply the number calculated in Step 3 by 100 to calculate a percentage. This method is summarized in the following formula:

Leak rate (% per year) = [(pounds of refrigerant added) / (pounds of refrigerant in full charge)] * [(365 days/year) / (shorter of # days since refrigerant last added or 365 days)] * 100%

(2) Rolling Average Method.

(i) Step 1. Take the sum of the pounds of refrigerant added to the appliance over the previous 365-day period (or over the period that has passed since the last successful follow-up verification test showing all identified leaks in the appliance were repaired, if that period is less than one year);

(ii) Step 2. Divide the result of Step 1 by the pounds of refrigerant the appliance normally contains at full charge; and

(iii) Step 3. Multiply the result of Step 2 by 100 to obtain a percentage. This method is summarized in the following formula:

Leak rate (% per year) = [(pounds of refrigerant added over past 365 days or since leaks were repaired if that period is less than 1 year) / (pounds of refrigerant in full charge)] * 100%

Low-loss fitting means any device that is intended to establish a connection between hoses, appliances, or recovery and/or recycling machines and that is designed to close automatically or to be closed manually when disconnected, minimizing the release of refrigerant from hoses, appliances, and recovery and/or recycling machines.

Low-pressure appliance means an appliance that uses a refrigerant with a liquid phase saturation pressure below 45 psia at 104º F. Examples include but are not limited to appliances using R-11, R-123, R-113, and R-245fa.

Major maintenance, service, or repair means any maintenance, service, or repair that involves the removal of any or all of the following appliance components: compressor, condenser, evaporator, or auxiliary heat exchange coil; or any maintenance, service, or repair that involves uncovering an opening of more than four (4) square inches of “flow area” for more than 15 minutes.

Medium-pressure appliance means an appliance that uses a refrigerant with a liquid phase saturation pressure between 45 psia and 170 psia at 104º F. Examples include but are not limited to appliances using R-114, R-124, R-12, R-134a, and R-500.

Mothball means to evacuate refrigerant from an appliance, or the affected isolated section or component of an appliance, to at least atmospheric pressure, and to temporarily shut down that appliance.

Motor vehicle air conditioner (MVAC) means any appliance that is a motor vehicle air conditioner as defined in 40 CFR part 82, subpart B.

MVAC-like appliance means a mechanical vapor compression, open-drive compressor appliance with a full charge of 20 pounds or less of refrigerant used to cool the driver's or passenger's compartment of off-road vehicles or equipment. This includes, but is not limited to, the air-conditioning equipment found on agricultural or construction vehicles. This definition is not intended to cover appliances using R-22 refrigerant.

One-time expansion device means an appliance that relies on the release of its refrigerant charge to the environment in order to provide a cooling effect. These are typically single releases but could also include products that are designed to release refrigerant to the environment through multiple individual charges.

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Opening an appliance means any maintenance, service, repair, or disposal of an appliance that would release any refrigerant in the appliance to the atmosphere. Connecting and disconnecting hoses and gauges to measure pressures, add refrigerant, or recover refrigerant from the appliance are not considered “opening an appliance.”

Process stub means a length of tubing that provides access to the refrigerant inside a small appliance or room air conditioner and that can be resealed at the conclusion of repair or service.

Reclaim means to reprocess recovered refrigerant to all of the specifications in appendix A of this subpart (based on AHRI Standard 700-2016, Specifications for Refrigerants) that are applicable to that refrigerant and to verify that the refrigerant meets these specifications using the analytical methodology prescribed in section 5 of appendix A of this subpart.

Recover means to remove refrigerant in any condition from an appliance and to store it in an external container without necessarily testing or processing it in any way.

Recovery efficiency means the percentage of refrigerant in an appliance that is recovered by a piece of recovery and/or recycling equipment.

Recycle, when referring to refrigerant, means to extract refrigerant from an appliance (except MVACs) and clean it for reuse in equipment of the same owner without meeting all of the requirements for reclamation. In general, recycled refrigerant is cleaned using oil separation and single or multiple passes through devices, such as replaceable core filter-driers, which reduce moisture, acidity, and particulate matter.

Refrigerant means, for purposes of this subpart, any substance, including blends and mixtures, consisting in part or whole of a class I or class II ozone-depleting substance or substitute that is used for heat transfer purposes and provides a cooling effect.

Refrigerant circuit means the parts of an appliance that are normally connected to each other (or are separated only by internal valves) and are designed to contain refrigerant.

Self-contained recovery equipment means refrigerant recovery and/or recycling equipment that is capable of removing the refrigerant from an appliance without the assistance of components contained in the appliance.

Self-sealing valve means a valve affixed to a container of refrigerant that automatically seals when not dispensing refrigerant and meets or exceeds established performance criteria as identified in §82.154(c)(2).

Small appliance means any appliance that is fully manufactured, charged, and hermetically sealed in a factory with five (5) pounds or less of refrigerant, including, but not limited to, refrigerators and freezers (designed for home, commercial, or consumer use), medical or industrial research refrigeration equipment, room air conditioners (including window air conditioners, portable air conditioners, and packaged terminal air heat pumps), dehumidifiers, under-the-counter ice makers, vending machines, and drinking water coolers.

Substitute means any chemical or product, whether existing or new, that is used as a refrigerant to replace a class I or II ozone-depleting substance. Examples include, but are not limited to hydrofluorocarbons, perfluorocarbons, hydrofluoroolefins, hydrofluoroethers, hydrocarbons, ammonia, carbon dioxide, and blends thereof. As used in this subpart, the term “exempt substitutes” refers to certain substitutes when used in certain end-uses that are specified in §82.154(a)(1) as exempt from the venting prohibition and the requirements of this subpart, and the term “non-exempt substitutes” refers to all other substitutes and end-uses not so specified in §82.154(a)(1).

System-dependent recovery equipment means refrigerant recovery equipment that requires the assistance of components contained in an appliance to remove the refrigerant from the appliance.

System receiver means the isolated portion of the appliance, or a specific vessel within the appliance, that is used to hold the refrigerant charge during the servicing or repair of that appliance.

Very high-pressure appliance means an appliance that uses a refrigerant with a critical temperature below 104º F or with a liquid phase saturation pressure above 355 psia at 104º F. Examples include but are not limited to appliances using R-13,

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R-23, R-503, R-508A, and R-508B.

[58 FR 28712, May 14, 1993, as amended at 59 FR 42956, Aug. 19, 1994; 59 FR 55925, Nov. 9, 1994; 60 FR 40439, Aug. 8, 1995; 68 FR 43806, July 24, 2003; 69 FR 11978, Mar. 12, 2004; 70 FR 1991, Jan. 11, 2005; 70 FR 19278, Apr. 13, 2005; 81 FR 82349, Nov. 18, 2016]

 # 037 [40 CFR Part 82 Protection of Stratospheric Ozone §40 CFR 82.168]

Subpart F--Recycling and Emissions Reduction

Incorporation by Reference.

(a) Certain material is incorporated by reference into this subpart part with the approval of the Director of the Federal Register under 5 U.S.C. 552(a) and 1 CFR part 51. You can obtain the material from the sources listed below. You may inspect a copy of the approved material at U.S. EPA's Air and Radiation Docket; EPA West Building, Room 3334, 1301 Constitution Ave. NW., Washington, DC, or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call (202) 741-6030 or go to http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

(b) Air-Conditioning, Heating, and Refrigeration Institute (AHRI), 2111 Wilson Boulevard, Suite 500, Arlington, VA 22201, www.ahrinet.org.

(1) AHRI Standard 110-2016, 2016 Standard for Air-Conditioning, Heating and Refrigerating Equipment Nameplate Voltages, copyright 2016, into Appendix B3 to subpart F.

(2) 2008 Appendix C to AHRI Standard 700-2014, 2008 Appendix C for Analytical Procedures for AHRI Standard 700-2014—Normative, copyright 2008, into Appendix A to subpart F.

(3) 2008 Appendix D to AHRI Standard 700-2014, 2012 Appendix D for Gas Chromatograms for AHRI Standard 700-2014—Informative, copyright 2012, into Appendix A to subpart F.

(c) American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc., (ASHRAE), 1791 Tullie Circle NE., Atlanta, GA 30329, U.S.A.

(1) ANSI/ASHRAE Standard 63.2-1996 (RA 2010), Method of Testing Liquid-Line Filter Drier Filtration Capability, Reaffirmed June 26, 2010, into Appendix B3 to subpart F.

(d) ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959, www.astm.org.

(1) ASTM D1296-01 (Reapproved 2012), Standard Test Method for Odor of Volatile Solvents and Diluents, approved July 1, 2012, into Appendix A to subpart F.

(2) [Reserved]

(e) Gas Processors Association, 6526 East 60th Street, Tulsa, Oklahoma 74145.

(1) GPA Standard STD-2177-13, Analysis of Natural Gas Liquid Mixtures Containing Nitrogen and Carbon Dioxide by Gas Chromatography, Revised, copyright 2013, into Appendix A to subpart F.

(2) [Reserved]

(f) General Services Administration, 301 7th St. SW., Washington, DC 20410.

(1) BB-F-1421B, Federal Specification for “Fluorocarbon Refrigerants,” dated March 5, 1982, IBR approved for Appendix A to subpart F.

(2) [Reserved]

(g) International Electrotechnical Commission (IEC), 3, rue de Varembé, P.O. Box 131. CH-1211 Geneva 20—Switzerland,

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41 22 919 02 11, http://www.iec.ch.

(1) IEC 60038, IEC Standard Voltages, Edition 7.0, 2009-06, into Appendix B3 to subpart F.

(2) [Reserved]

(h) Underwriters Laboratories (UL), 333 Pfingsten Road, Northbrook, IL 60062, 847-272-8800, http://www.ul.com.

(1) UL 1963, Standard for Safety Requirements for Refrigerant Recovery/Recycling Equipment, Fourth Edition (with revisions through October 13, 2013), June 1, 2011, in appendix B3 to subpart F, appendix B4 to subpart F.

(2) [Reserved]

[81 FR 82364, Nov. 18, 2016]

 # 038 [40 CFR Part 82 Protection of Stratospheric Ozone §40 CFR 82.30]

Subpart B - Servicing of Motor Vehicle Air Conditioners

Purpose and scope.

[This non-applicable subsection is included in the permit because Subpart B of Part 82 is referenced by 40 CFR §§ 82.152, 82.154, 82.155, 82.156, 82.158, & 82.161, some of which are applicable.]

(a) The purpose of the regulations in this subpart B is to implement section 609 of the Clean Air Act, as amended (Act) regarding the servicing of motor vehicle air conditioners (MVACs), and to implement section 608 of the Act regarding certain servicing, maintenance, repair and disposal of air conditioners in MVACs and MVAC-like appliances (as that term is defined in 40 CFR 82.152).

(b) These regulations apply to any person performing service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner.

[57 FR 31261, July 14, 1992, as amended at 62 FR 68046, Dec. 30, 1997]

 # 039 [40 CFR Part 82 Protection of Stratospheric Ozone §40 CFR 82.32]

Subpart B - Servicing of Motor Vehicle Air Conditioners

Definitions.

[Selected definitions which are applicable to and referred by 40 CFR Part 82 Subpart F are printed below. Refer to regulation for remaining definitions of 40 CFR § 82.32.]

(c) Motor vehicle as used in this subpart means any vehicle which is self-propelled and designed for transporting persons or property on a street or highway, including but not limited to passenger cars, light duty vehicles, and heavy duty vehicles. This definition does not include a vehicle where final assembly of the vehicle has not been completed by the original equipment manufacturer.

(d) Motor vehicle air conditioners means mechanical vapor compression refrigeration equipment used to cool the driver's or passenger's compartment of any motor vehicle. This definition is not intended to encompass the hermetically sealed refrigeration systems used on motor vehicles for refrigerated cargo and the air conditioning systems on passenger buses using HCFC-22 refrigerant.

[57 FR 31261, July 14, 1992, as amended at 60 FR 21687, May 2, 1995; 62 FR 68046, Dec. 30, 1997]

VIII. COMPLIANCE CERTIFICATION.

The permittee shall submit within thirty days of 10/31/2017 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: 036 Source Name: BOILER 4

Source Capacity/Throughput: 98.600 MMBTU/HR
98.600 MCF/HR Natural Gas

Conditions for this source occur in the following groups: 01 - BOILERS - STATE STANDARD
02 - NSPS FOR BOILERS
03 - NESHAP FOR BOILERS

CU 036 → STAC S036

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) NOx emissions from Boilers 4, 7, & 8, shall not exceed 64.8 tpy based on a 12-month consecutive period.

(b) NOx emissions from this boiler shall not exceed 0.05 lbs per million Btu based on a 30-day rolling average.

(c) CO emissions from this boiler shall not exceed 0.07 lbs per million Btu based on a 30-day rolling average.

(d) VOC emissions from this boiler shall not exceed 0.004 lbs per million Btu based on a 30-day rolling average.

[From Plan Approval 25-025H, Section D, Source 036, Condition # 003]

[Compliance with the NOx emission limit from plan approval 25-025H assures compliance with the presumptive RACT II emission limitation of 25 Pa. Code § 129.97(g)(1)(i).]

Fuel Restriction(s).

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The source shall only burn natural gas as a fuel.

[From Plan Approval 25-025H, Section D, Source 036, Condition # 004]

II. TESTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Stack testing required by the one-time requirement of plan approval 25-025H was conducted on Boiler 4 on February 22, 2006, and January 9, 10, 11, 2007.

Results as documented in the June 26, 2006, Department Source Test Review Memo for testing conducted on 2/22/2006 are as follows: NOx emission rate = 0.01 lbs/million Btu; CO emission rate = 0.00 lbs/million Btu.

Results as documented in the June 18, 2007, Department Source Test Review Memo for testing conducted on Jan 9-11, 2007, are as follows: NOx emission rate = 0.0085 lbs/million Btu; CO emission rate = 0.00 lbs/million Btu.]

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).

SECTION D. Source Level 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) 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.

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The company shall install, operate, and maintain the boiler in accordance with the manufacturer's recommendations as well as good air pollution control practices.

(b) The company shall install, operate and maintain a low NOx burner with flue gas recirculation in order to minimize the NOx emitted from the boiler.

[From Plan Approval 25-025H, Section D, Source 036, Condition # 006]

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).

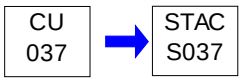
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 037 Source Name: BOILER 7

Source Capacity/Throughput: 98.600 MMBTU/HR
98.600 MCF/HR Natural Gas

Conditions for this source occur in the following groups: 01 - BOILERS - STATE STANDARD
02 - NSPS FOR BOILERS
03 - NESHAP FOR BOILERS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) NOx emissions from Boilers 4, 7, & 8, shall not exceed 64.8 tpy based on a 12-month consecutive period.

(b) NOx emissions from this boiler shall not exceed 0.05 lbs per million Btu based on a 30-day rolling average.

(c) CO emissions from this boiler shall not exceed 0.07 lbs per million Btu based on a 30-day rolling average.

(d) VOC emissions from this boiler shall not exceed 0.004 lbs per million Btu based on a 30-day rolling average.

[From Plan Approval 25-025H, Section D, Source 037, Condition # 003]

[Compliance with the NOx emission limit from plan approval 25-025H assures compliance with the presumptive RACT II emission limitation of 25 Pa. Code § 129.97(g)(1)(i).]

Fuel Restriction(s).

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The source shall only burn natural gas as a fuel.

[From Plan Approval 25-025H, Section D, Source 037, Condition # 004]

II. TESTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Stack testing required by the one-time requirement of plan approval 25-025H was conducted on Boiler 7 on January 9, 10, 11, 2007.

Results as documented in the June 18, 2007, Department Source Test Review Memo for testing conducted on Jan 9-11, 2007, are as follows: NOx emission rate = 0.011 lbs/million Btu; CO emission rate = 0.00 lbs/million Btu.]

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).

SECTION D. Source Level 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) 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.

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The company shall install, operate, and maintain the boiler in accordance with the manufacturer's recommendations as well as good air pollution control practices.

(b) The company shall install, operate and maintain a low NOx burner with flue gas recirculation in order to minimize the NOx emitted from the boiler.

[From Plan Approval 25-025H, Section D, Source 037, Condition # 006]

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).

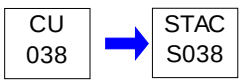
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 038 Source Name: BOILER 8

Source Capacity/Throughput: 98.600 MMBTU/HR
98.600 MCF/HR Natural Gas

Conditions for this source occur in the following groups: 01 - BOILERS - STATE STANDARD
02 - NSPS FOR BOILERS
03 - NESHAP FOR BOILERS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) NOx emissions from Boilers 4, 7, & 8, shall not exceed 64.8 tpy based on a 12-month consecutive period.

(b) NOx emissions from this boiler shall not exceed 0.05 lbs per million Btu based on a 30-day rolling average.

(c) CO emissions from this boiler shall not exceed 0.07 lbs per million Btu based on a 30-day rolling average.

(d) VOC emissions from this boiler shall not exceed 0.004 lbs per million Btu based on a 30-day rolling average.

[From Plan Approval 25-025H, Section D, Source 038, Condition # 003]

[Compliance with the NOx emission limit from plan approval 25-025H assures compliance with the presumptive RACT II emission limitation of 25 Pa. Code § 129.97(g)(1)(i).]

Fuel Restriction(s).

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The source shall only burn natural gas as a fuel.

[From Plan Approval 25-025H, Section D, Source 038, Condition # 004]

II. TESTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Stack testing required by the one-time requirement of plan approval 25-025H was conducted on Boiler 8 on January 9, 10, 11, 2007.

Results as documented in the June 18, 2007, Department Source Test Review Memo for testing conducted on Jan 9-11, 2007, are as follows: NOx emission rate = 0.013 lbs/million Btu; CO emission rate = 0.00 lbs/million Btu.]

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).

SECTION D. Source Level 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) 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.

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The company shall install, operate, and maintain the boiler in accordance with the manufacturer's recommendations as well as good air pollution control practices.

(b) The company shall install, operate and maintain a low NOx burner with flue gas recirculation in order to minimize the NOx emitted from the boiler.

[From Plan Approval 25-025H, Section D, Source 038, Condition # 006]

VII. ADDITIONAL REQUIREMENTS.

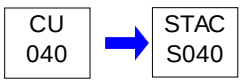
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

SECTION D. Source Level Requirements

Source ID: 040 Source Name: MISCELLANEOUS SMALL COMBUSTION SOURCES

Source Capacity/Throughput: 9.900 MMBTU/HR
9.900 MCF/HR Natural Gas



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.11]
Combustion units

A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of the rate of 0.4 pound per million Btu of heat input, when the heat input to the combustion unit in millions of Btus per hour is greater than 2.5 but less than 50.

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO2, from a combustion unit in excess of the rate of 4 pounds per million Btu of heat input over a 1-hour period.

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provisions in: SIP Approved Limits 40 CFR 52.2020(c)(1)]

Fuel Restriction(s).

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

The source shall only burn natural gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

 # 004 [25 Pa. Code §129.97]

Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.

The owner and operator of a source specified in this subsection, which is located at a major NOx emitting facility or major VOC emitting facility subject to § 129.96 shall install, maintain and operate the source in accordance with the manufacturer's specifications and with good operating practices.

[From § 129.97(c)(3). Compliance with this condition also assures compliance with § 129.93.]

VII. ADDITIONAL REQUIREMENTS.

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

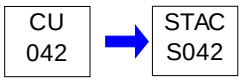
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 042 Source Name: BOILER #6

Source Capacity/Throughput: 95.000 MMBTU/HR
95.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: 01 - BOILERS - STATE STANDARD
02 - NSPS FOR BOILERS
03 - NESHAP FOR BOILERS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

(a) NOx emissions shall not exceed 20.81 tpy based on a 12-month consecutive period.

[From Plan Approval 25-025U, Section D, Source 042, condition 003(a). This condition replaces the following condition from Plan Approval 25-025E: NOx emissions shall not exceed 29.3 tpy based on a 12-month consecutive period.]

(b) NOx emissions shall not exceed 0.05 lbs per million Btu.

[From Plan Approval 25-025U, Section D, Source 042, condition 003(b). This condition replaces the following condition from Plan Approval 25-025E Condition 8: NOx emissions shall not exceed 0.05 lbs/MMBtu based on a 30-day rolling average.]

[Compliance with the NOx emission limit from plan approval 25-025U assures compliance with the presumptive RACT II emission limitation of 25 Pa. Code § 129.97(g)(1)(i).]

Fuel Restriction(s).

 # 002 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

The permittee shall only use natural gas for fuel for this source (boiler #6).

[From Plan Approval 25-025U, Section D, Source 042, Condition #005.]

II. TESTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

[A copy of the DEP Source Testing Manual is available at the following web address.
http://www.depgreenport.state.pa.us/elibrary/GetFolder?FolderID=4575]

(a) A stack test shall be conducted one time in each 5-year calendar period for NOx in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The stack test shall be performed while the aforementioned source is operating at the maximum or normal rated capacity as stated on the application.

(1) [25 Pa. Code § 139.53(a)(3)] At least 90 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department's Division of Source Testing and Monitoring and a copy to the appropriate Regional Office Department for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(2) [25 Pa. Code § 139.53(a)(3)] At least 15 calendar days prior to commencing an emission testing program,

notification as to the date and time of testing shall be given to the appropriate Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department. The 15-day advance notifications of emissions testing dates and supplemental testing information shall be submitted directly to both:

(i) the Protocol Reviewer at Central Office Division of Source Testing at the email address provided by the protocol reviewer; and

(ii) to the DEP's OnBase electronic upload website where it will be forwarded to the Northwest Regional Office Air Quality Inspector. Upload the written notification at this web address:

https://www.dep.pa.gov/DataandTools/Pages/Application-Form-Upload.aspx

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

(4) [40 CFR Part 60.8(a), 40 CFR Part 61.13(f) and 40 CFR Part 63.7(g)] A complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program. For those tests being conducted pursuant to 40 CFR Part 61, a complete test report shall be submitted within 31 days after completion of the test.

(5) [25 Pa. Code Section 139.53(b)] A complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or noncompliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

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

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

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

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

(6) [25 Pa. Code § 139.3] All submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

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

(8) [25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3)] Submittals pertaining to emissions testing, specifically test protocols and test reports, shall be made by emailing electronic copies submissions to PSIMS Administration in Central Office and to Regional Office AQ Program at the following email addresses:

CENTRAL OFFICE: RA-EPstacktesting@pa.gov

NORTHWEST REGIONAL OFFICE: RA-EPNWstacktesting@pa.gov

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

(10) Actions Related to Noncompliance Demonstrated by a Stack Test:

(i) If the results of a stack test, performed as required by this approval, exceed the level specified in any condition

SECTION D. Source Level Requirements

of this approval, the Permittee shall take appropriate corrective actions. Within 30 days of the Permittee receiving the stack test results, a written description of the corrective actions shall be submitted to the Department. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. The Department shall notify the Permittee within 30 days, if the corrective actions taken are deficient. Within 30 days of receipt of the notice of deficiency, the Permittee shall submit a description of additional corrective actions to the Department. The Department reserves the authority to use enforcement activities to resolve noncompliant stack tests.

(ii) If the results of the required stack test exceed any limit defined in this plan approval, the test was not performed in accordance with the stack test protocol or the source and/or air cleaning device was not operated in accordance with the plan approval, then another stack test shall be performed to determine compliance. Within 120 days of the Permittee receiving the original stack test results, a retest shall be performed. The Department may extend the retesting deadline if the Permittee demonstrates, to the Department's satisfaction, that retesting within 120 days is not practicable. Failure of the second test to demonstrate compliance with the limits in the plan approval, not performing the test in accordance with the stack test protocol or not operating the source and/or air cleaning device in accordance with the plan approval may be grounds for immediate revocation of the plan approval to operate the affected source.

[From the April 21, 2015, issuance of Plan Approval 25-025U, Section D, Source 042, Condition #006.]

[Source testing of Boiler #6 was conducted on September 15, 2015, and a August 23, 2016, Department Source Test Review memo of the test results indicated that the actual NOx emissions from Boiler #6 were 0.008 lbs/million Btu.]

III. MONITORING REQUIREMENTS.

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[There are no longer plan approval requirements for this source pertaining to CEMS. Requirements from Plan Approval 25-025E Condition 16 & 17 were removed as authorized by Plan Approval 25-025U, Section D, Source 042, Condition #007(a)-(b).]

IV. RECORDKEEPING REQUIREMENTS.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall maintain a record of all scheduled preventative maintenance inspections of the source. These records shall, at a minimum, contain the dates of the inspections, any problems or defects, the actions taken to correct the problem or defects, and any routine maintenance performed.

[From Plan Approval 25-025E Condition 19 and plan approval 25-025U, Section D, Source 042, Condition #008.]

V. REPORTING REQUIREMENTS.

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) (i) Annual NOx emissions for the boiler shall be updated every month by adding emissions during the most recent month and dropping the emissions from the corresponding month in the previous year.

(ii) 12-month NOx emissions reports for the boiler shall be submitted to the Department within 30 days of the end of each calendar quarter.

(A) for the period January 1 through March 31, reports shall be due April 30.
(B) for the period April 1 through June 30, reports shall be due July 30.
(C) for the period July 1 through September 30, reports shall be due October 30.
(D) for the period October 1 through December 31, reports shall be due January 30.

(iii) Compliance with the NOx emission limits cited in in the emission restriction for this source for firing natural gas shall be based on these reports.

SECTION D. Source Level Requirements

[From Plan Approval 25-025E Condition 15 and from plan approval 25-025U, Section D, Source 042, Condition 21 (a).]

(b) - (f) [No longer applicable] [Plan Approval 25-025U, Section D, Source 042, Condition 21(b) through (f) are not printed in the permit. These paragraphs document the removed of requirements from plan approval 25-025E conditions 73, 7g, 7h, 7c, & 6 which contained language from 40 CFR Part 60 Subpart Db which is no longer applicable to this boiler since the boiler has been de-rated to less than 100 million Btu/hr.]

(g) [No longer applicable] [Plan Approval 25-025U, Section D, Source 042, Condition # 021(g) are not printed in the permit. This paragraph detailed the ERCs at the facility's diposal and they expired on June 6, 2015, and June 30, 2016.]

VI. WORK PRACTICE REQUIREMENTS.

 # 007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The source shall be maintained and operated in accordance with the manufacturer's specifications, in accordance with good air pollution control practices, or in accordance with good engineering practices.

[From Plan Approval 25-025E Condition 18 and plan approval 25-025U, Section D, Source 042, Condition #017.]

(b) [Plan Approval 25-025U, Section D, Source 042, Condition #017(b) was a one-time requirement pertaining to the de-rating of this boiler and has already been met as demonstrated at the March 17, 2016, inspection by the Department Air Quality Engineer and documented on Attachment A, #17(b), of that inspection report.]

VII. ADDITIONAL REQUIREMENTS.

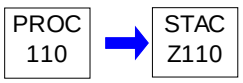
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

SECTION D. Source Level Requirements

Source ID: 110 Source Name: ANNEALING OVEN, ELECTRIC, (6-MS1-A-7)

Source Capacity/Throughput: 1.000 Gal/HR WD-4100 LUBE FLUID



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 §129.97]

Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.

The source shall be installed, maintained, and operated in accordance with the manufacturer's specifications and with good operating practices.

[Authority for this condition is derived from 129.97(c)(2) for a VOC air contamination source that has the potential to emit less than 2.7 tpy of VOC. Compliance with this condition assures compliance with the September 21, 2011, RFD approval for Source 110, the Electric Annealing Oven (6-MS1-A-7).]

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 121 Source Name: NATURAL GAS MOBILE FUELING SYSTEM

Source Capacity/Throughput: 1.000 CF/HR Natural Gas

PROC 121 → STAC Z121

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 §127.441]

Operating permit terms and conditions.

The permittee shall maintain and operate the source in accordance with the manufacturer's specifications and with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

 # 002 [25 Pa. Code §129.96]

Applicability

[ADDITIONAL RACT REQUIREMENTS FOR MAJOR SOURCES OF NOx AND VOCs]

This section and § § 129.97 - 129.100 do not apply to the owner and operator of a NOx air contamination source located at a major NOx emitting facility that has the potential to emit less than 1 TPY of NOx or a VOC air contamination source located at a major VOC emitting facility that has the potential to emit less than 1 TPY of VOC.

[From 129.96(c). VOC PTE is < 1 tpy as referenced in April 17, 2013, notification letter to the Department from GE.]

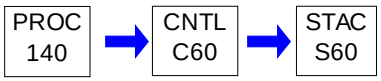
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 140 Source Name: CAB PREP AND PAINTING (7-G-25)

Source Capacity/Throughput: 36.000 Gal/HR PAINT

Conditions for this source occur in the following groups: 04 - SURFACE COATING WITH PM CONTROL
06 - ALL SURFACE COATING
07 - NESHAP FOR SURFACE COATING



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Pounds of VOC per gallon of coatings (minus water) for primer and polyurethane shall not exceed 3.41 and 3.38 respectively.

(b) VOC emissions shall not exceed 45.5 tpy based on a consecutive 12-month period.

[Parts (a) & (b) from plan approval 25-318-110, conditions 5 & 6 and from plan approval PA-25-025B.]

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.

 # 002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain monthly records of VOC emissions.

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.

 # 003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) The permittee shall replace the filters for booth (7-G-25) at least every 3 weeks.

(b) If the operational inspections show that the filters need to be replaced sooner than as stated in paragraph (a), the permittee shall replace the filters.

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).

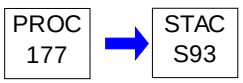
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 177 Source Name: VPI OPERATIONS (6-B-7 & 6-C-7)

Source Capacity/Throughput: 2.000 Gal/HR VARNISH

Conditions for this source occur in the following groups: 05 - SURFACE COATING WITHOUT CONTROL
06 - ALL SURFACE COATING
07 - NESHAP FOR SURFACE COATING



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: 178 Source Name: VPI OPERATIONS (6-C-19)

Source Capacity/Throughput: 3.000 Gal/HR VARNISH

Conditions for this source occur in the following groups: 05 - SURFACE COATING WITHOUT CONTROL
06 - ALL SURFACE COATING
07 - NESHAP FOR SURFACE COATING

PROC 178 → STAC S178

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source 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.

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The VOC emissions from the source shall not exceed 24.9 tpy based on a consecutive 12-month period.

[From Condition 003 of Plan Approval 25-025N]

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).

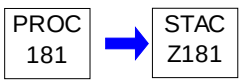
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 181 Source Name: VARNISH DIP & CURING (6-ANNEX-A-7)

Source Capacity/Throughput: 1.000 Gal/HR COATING

Conditions for this source occur in the following groups: 05 - SURFACE COATING WITHOUT CONTROL
06 - ALL SURFACE COATING
07 - NESHAP FOR SURFACE COATING



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).

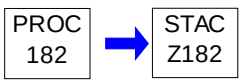
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 182 Source Name: VARNISH APPLICATION SYSTEMS (6-A-15; 6-D-13)(MOBILE)

Source Capacity/Throughput: 1.000 Gal/HR VARNISH & SOLVENTS

Conditions for this source occur in the following groups: 05 - SURFACE COATING WITHOUT CONTROL
06 - ALL SURFACE COATING
07 - NESHAP FOR SURFACE COATING



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).

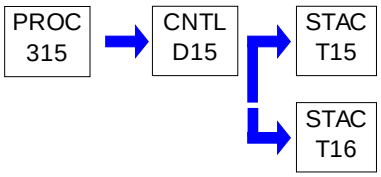
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 315 Source Name: LOCO PLATFORM PAINT BOOTH (9D)

Source Capacity/Throughput: 14.000 Gal/HR PAINT

Conditions for this source occur in the following groups: 04 - SURFACE COATING WITH PM CONTROL
06 - ALL SURFACE COATING
07 - NESHAP FOR SURFACE COATING



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The maximum amount of VOC per volume of coating solids for coatings used in this process shall not exceed 6.67 lbs VOC/gallon coating solids.

[Parargraph (a) of this condition was derived from plan approval 25-318-119A and plan approval PA-25-025B which stated: The weight of VOCs per gallon of coating (minus water) shall not exceed 3.5 pounds per gallon after adjustment to a standard solvent density of 7.36 pounds per gallon and to a solids basis.]

(b) VOC emissions shall not exceed 30.82 tpy based on a consecutive 12-month period.

[Paragraph (b) from plan approval 25-318-119A, condition 8 and plan approval PA-25-025B.]

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.

 # 002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain monthly records of VOC emissions.

V. REPORTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall submit a semi-annual report indicating VOC emissions based on a rolling total.

[From plan approval 25-318-119A, condition 10; and plan approval PA-25-025B.]

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

 # 004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) The permittee shall replace the filters at least every 6 weeks.

(b) If the operational inspections show that the filters need to be replaced sooner than as stated in paragraph (a), the permittee shall replace the filters.

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: 345 Source Name: BUILDING 10 PAINT BOOTHS

Source Capacity/Throughput: 1.000 Gal/HR PAINT

Conditions for this source occur in the following groups: 04 - SURFACE COATING WITH PM CONTROL
06 - ALL SURFACE COATING
07 - NESHAP FOR SURFACE COATING

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The maximum amount of VOC per volume of coating solids for coatings used in this process shall not exceed 6.67 lbs VOC/gallon coating solids.

[This condition was derived from plan approval 25-318-111, condition 6; and from plan approval PA-25-025B which stated: The weight of VOCs per gallon of coating (minus water) shall not exceed 3.5 pounds per gallon after adjustment to a standard solvent density of 7.36 pounds per gallon and to a solids basis.]

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions shall not exceed 158.92 tpy based on a consecutive 12-month period.

[From operating permit 25-318-111, condition 6 and from plan approval PA-25-025B.]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain monthly records of VOC emissions.

V. REPORTING REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall submit semi-annual reports of VOC emissions.

[From operating permit 25-318-111, condition 8 and from plan approval PA-25-025B.]

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall perform a weekly operational inspection control of the control device

[From Plan Approval 25-025G, Condition #007(a), Section D, Source 345]

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[This condition only applies to the Small Parts Booth]

(a) The permittee shall maintain a manometer or similar device to measure the pressure drop across the filters for the small parts booth. The pressure drop range across the filters shall be determined and this range shall be submitted to the Department for approval.

(b) Filter replacement for the small parts paint booth will be performed as necessary to maintain the proper pressure drop range across the filters. If the operational inspections shows that the filters need to be replaced sooner, the permittee shall replace the filters.

[From Plan Approval 25-025G, Condition #007(b) & (c), Section D, Source 345]

 # 007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[This condition only applies to the 8 Track Paint Booths]

The permittee shall replace the filters in the 8 track paint booths at least after every other locomotive that goes through the booth. If the operational inspection shows that the filters need to be replaced sooner, the permittee shall replace the filters.

[From Plan Approval 25-025G, Condition #007(d), Section D, Source 345]

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[This condition only apply to Small Parts Booth]

When using a different type of filter that has at least the same removal efficiencies as the current installed sets of filters, the permittee shall determine a new normal pressure range and submit this range to the Department for approval within sixty (60) days after installation of new filter type.

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).

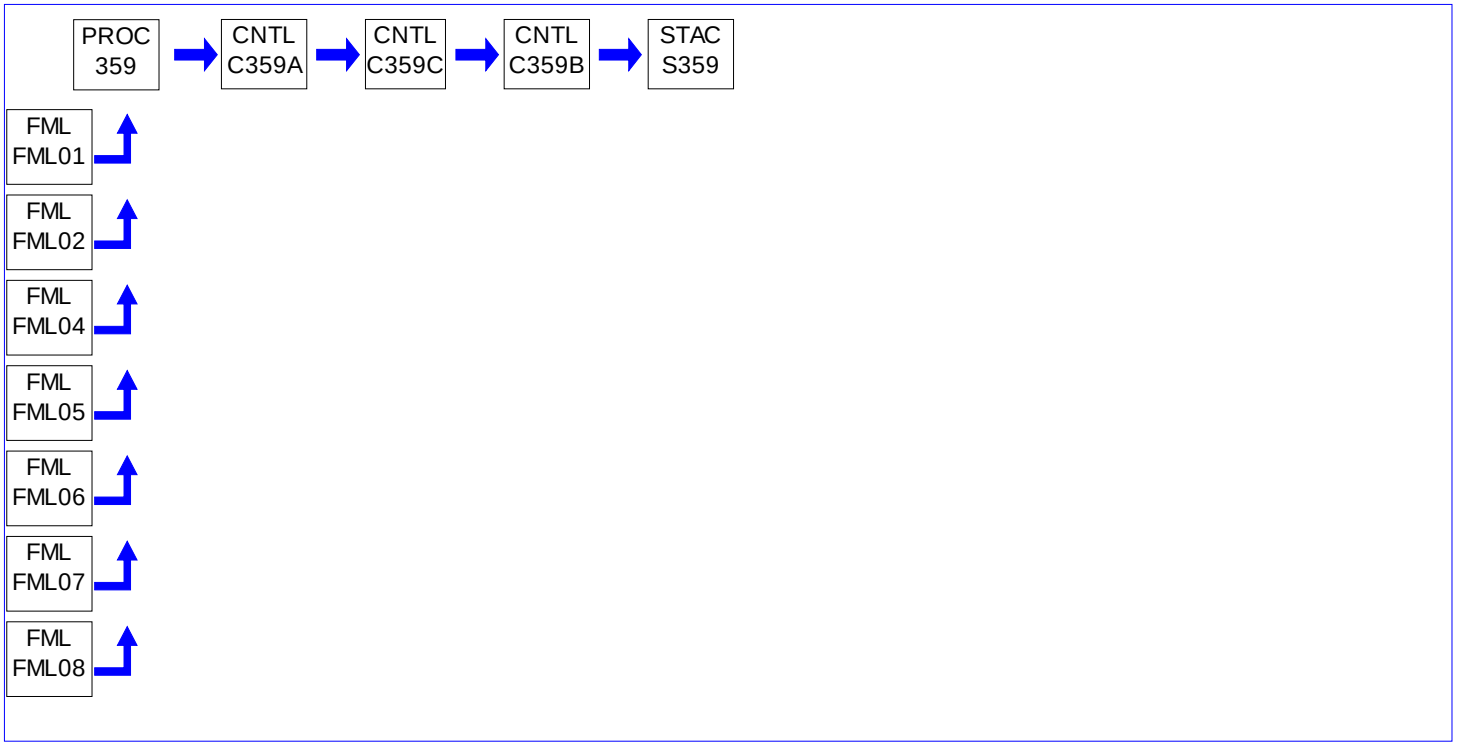
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 359 Source Name: BLDG 4E TEST CELL #1

Source Capacity/Throughput: 390.000 Gal/HR DIESEL, MARINE DIESEL
51.540 MCF/HR LNG, CNG, NG

Conditions for this source occur in the following groups: 13 - QC & QIP FOR CAM



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The following air contaminant emission limits are approved for the 3 engine test cells (Source 359, 361, & 364) located in Building 4E and area 10-K, combined.

(1) The company shall limit the emissions of nitrogen oxides (calculated as NO2) to 341.8 tons, or less, in any 12 consecutive month rolling period.

(2) The company shall limit the emissions of carbon monoxide (CO) to 29.4 tons, or less, in any 12 consecutive month rolling period.

(3) The company shall limit the emissions of sulfur dioxide (SO2) to 73.2 tons, or less, in any 12 consecutive month rolling period.

(4) The company shall limit the emissions of particulate matter to 12.7 tons, or less, in any 12 consecutive month rolling period.

(5) The 12-month period emission limit for the pollutants listed above includes the emissions from start-ups and shutdowns.

[From Plan Approval 25-025W, Section D, Condition # 004 of Sources 359, 361, and 364.]

SECTION D. Source Level Requirements

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The following short-term air contaminant emission limits are approved for each test cell.

(1) The company shall limit the emissions of ammonia to 10 ppmdv, or less.

(2) The company shall limit the emissions of nitrogen oxides (calculated as NO2) to 7.40 grams per brake horsepower per hour.

(3) The company shall limit the emissions of carbon monoxide (CO) to 3.73 grams per brake horsepower per hour.

(4) The company shall limit the emissions of sulfur dioxide (SO2) to 6.40 grams per brake horsepower per hour.

(5) The company shall limit the emissions of particulate matter (filterable and condensable) to 0.45 grams per brake horsepower per hour.

(6) The company shall limit the emissions of volatile organic compounds to 0.55 grams per brake horsepower per hour. The volatile organic compounds shall be calculated as methane.

(7) Compliance with the short-term emission limits shall be determined by the average of the 3 runs conducted during the stack test that is required by this plan approval.

(8) The short-term emission limits apply at all times except during start-up and shutdown periods.

[From Plan Approval 25-025W, Section D, Condition # 005 of Source 359 and from Plan Approval 25-025T, Section D, Condition # 005 of Source 359]

Fuel Restriction(s).

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The company shall limit the sulfur content of the fuel combusted in the engine to a maximum of 2.0 percent, by weight.

(b) If the company would like to combust fuel greater than 2.0 percent, by weight, the company shall apply to the Department, in writing, at least 10 days prior to combusting the fuel. In no event shall the concentration of sulfur dioxide in the exhaust stack exceed 500 ppm, by volume, dry basis.

The company shall demonstrate that the concentration of sulfur dioxide does not exceed 500 ppm, by volume, dry basis, by mass balance.

(c) The test cells may also use ULSD (ultra low sulfur diesel - 15 ppm sulfur), LNG (liquid natural gas), CNG (compressed natural gas), NG (natural gas), and/or hydrogen (H2) in this test cell.

For the purpose of this permit condition, diesel is defined as any fuel that meets an appropriate ASTM or equivalent standard for a diesel.

[From Plan Approval 25-025W, Section D, Condition # 006 of Source 359. Also from Plan Approval 25-025T; Section D; Condition # 006 for Source 359. Paragraph (c) is amended in this TV operating permit to add the May 16, 2022, Department approval of the use of hydrogen fuel in this source and to define diesel fuel.]

Throughput Restriction(s).

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The company shall limit the amount of fuel combusted in the three test cells (Source 359, 361, & 364) to a combined 11,000,000 gallons in a 12-month rolling period.

SECTION D. Source Level Requirements

(b) LNG/CNG/NG/H2 fuel use will be converted to gallon equivalents of #2 oil on a BTU basis for purposes of demonstrating compliance with the fuel limitation.

[From Plan Approval 25-025W, Section D, Condition # 007 of Sources 359, 361, and 364.] [Compliance with this plan approval throughput restriction assures compliance with the August 10, 2017, approval of the 25 Pa. Code § 129.99 Case-by-case alternative RACT II proposal for Source 359. Paragraph (c) is amended in this TV operating permit to add the May 16, 2022, Department approval of the use of hydrogen fuel in this source.]

II. TESTING REQUIREMENTS.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[The requirement for initial stack testing is a one-time requirement which has already been met. The requirements are from Plan Approval 25-025W, Section D, Condition # 008 of Source 359. And also from Plan Approval 25-025O; Section D; Condition # 008 for Source 359.]

[The initial stack tests were conducted as follows:

• Initial stack testing on Source 359 was conducted on 1/31/2012 & 2/1/2012 in accordance with plan approval 25-025Q (which was preceded by plan approval 25-025O and superseded by plan approvals 25-025T and 25-025W). Reference the Department Source Test Review Memo of December 12, 2012.]

III. MONITORING REQUIREMENTS.

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The company shall, prior to the testing of the engine and at the end of the testing, monitor the amount of fuel combusted.

[From Plan Approval 25-025W, Section D, Condition # 010(a) of Source 359. Also from Plan Approval 25-025O; Section D; Condition # 011(a) for Source 359.]

(b) The company shall continuously monitor the pH of the scrubbing liquid of the cloud chamber when an engine is operating in the test cell.

[From Plan Approval 25-025O; Section D; Condition # 011(b) for Source 359. Also from Plan Approval 25-025W; Section D; Condition # 010(b) for Source 359.]

(c) [Reserved. This condition was removed in plan approval 25-025W.]

(d) The company shall continuously monitor the temperature of the influent to the selective catalyst reduction system (Tri-Mer system) when an engine is operating in the test cell.

[From Plan Approval 25-025O; Section D; Condition # 011(e) for Source 359. Also from Plan Approval 25-025W; Section D; Condition # 010(e) for Source 359.]

(e) The company shall continuously monitor the temperature of the oxidation catalyst when an engine is operating in the test cell. The temperature monitor for the influent to the SCR required in part (d) will be accepted as representative of the oxidation catalyst.

[From Plan Approval 25-025W, Section D, Condition # 010(e) of Source 359.]

(f) The company shall, at least once per day, during daylight hours, when an engine is operating in the test cell, perform a Method 22-like visual observation to determine if there are any visible emissions from the stack of the test cell. If any emissions are detected by a Method 22-like procedure, a Method 9 test shall be performed immediately. If a Method 9 certified observer is not available at the time emissions are detected by the Method 22-like procedure, the Method 9 test shall be performed within 24-hours, except that the Method 9 test may be performed within 48 hours if emissions are detected on a Saturday, Sunday, or holiday. If a Method 9 test cannot be performed immediately, the rationale for testing at a

later time shall be documented and these records kept for a period of five years. The Department shall be notified, in writing, of any such occurrence immediately.

• The approved frequency is Method 22 like visual observation at least once per 24-hour period when in operation and Method 9 if emissions are detected by Method 22 like visual observation.

[From Plan Approval 25-025W, Section D, Condition # 010(f) of Source 359. Also from Plan Approval 25-025O; Section D; Condition # 011(g) for Source 359.]

(g) [Reserved]

[Compliance with Paragraphs (b), (d), and (e) of this condition assures compliance with the Compliance Assurance Monitoring (CAM) provisions of 40 CFR Part 64.]

IV. RECORDKEEPING REQUIREMENTS.

 # 007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Sufficient data shall be recorded so that compliance with the conditions in this Plan Approval can be determined. Records shall be kept for a minimum of 5 years and shall be made available to the Department upon request.

[From Plan Approval 25-025W, Section D, Condition # 011 of Source 359. Also from Plan Approval 25-025O; Section D; Condition # 012 for Source 359.]

 # 008 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The company shall keep a copy of the manufacturer's specifications for:

(1) the cloud chamber;

(2) the oxidation catalyst;

(3) the selective catalytic reduction system;

(4) [Reserved. This paragraph was removed with plan approval 25-025W.]

[From Plan Approval 25-025W, Section D, Condition # 011(a) of Source 359.]

(b) The company shall, on a monthly basis, keep a record of the fuel combusted in each test cell.

[From Plan Approval 25-025W, Section D, Condition # 011(b) of Source 359. Also from Plan Approval 25-025O; Section D; Condition # 012(b) of Source 359.]

(c) The company shall keep a record of the weight percentage of sulfur in the fuel being combusted in the test cell. When the fuel is natural gas, this condition may be satisfied by demonstrating that the natural gas combusted is pipeline natural gas from a natural gas distribution utility.

[From Plan Approval 25-025W, Section D, Condition # 011(c) of Source 359. Also from Plan Approval 25-025T; Section D; Condition # 012(c) of Source 359.]

(d) The company shall keep a record of the type of fuel that is combusted in each engine.

[From Plan Approval 25-025W, Section D, Condition # 011(d) of Source 359. Also from Plan Approval 25-025O; Section D; Condition # 012(d) of Source 359.]

(e) [Reserved] [The condition from Plan Approval 25-025W, Section D, Condition # 011(e) of Source 359 and also from Plan

SECTION D. Source Level Requirements

Approval 25-025O; Section D; Condition # 012(e) for Source 359 is removed from the operating permit effective with an October 17, 2022, Department memo based upon the May 16, 2022, approval of RFD #9520.]

(f) The company shall keep a record of:

(1) the date that engine started operation in the test cell;

(2) the date that the engine ceased operation in the test cell;

(3) the total amount of time that the engine operated in the test cell;

(4) the time that the engine started operation in the test cell;

(5) [Reserved. This paragraph was removed with plan approval 25-025W.]

(6) the time that the SCR catalyst achieved the minimum operating temperature.

[From Plan Approval 25-025W, Section D, Condition # 011(f) of Source 359. Also from Plan Approval 25-025T; Section D; Condition # 012(f) of Source 359.]

(g) The company shall keep a record of any mass balance calculation(s) for sulfur dioxide to demonstrate that the short-term emission limit for sulfur dioxide has not been exceeded.

[From Plan Approval 25-025W, Section D, Condition # 011(g) of Source 359. Also from Plan Approval 25-025O; Section D; Condition # 012(g) of Source 359.]

(h) The company shall keep a copy of the results of the stack testing required by this plan approval.

[From Plan Approval 25-025W, Section D, Condition # 011(h) of Source 359. Also from Plan Approval 25-025O; Section D; Condition # 012(h) of Source 359.]

(i) [Reserved. This paragraph was removed with plan approval 25-025W.]

(j) [Reserved.]

 # 009 [25 Pa. Code §129.100]

Compliance demonstration and recordkeeping requirements.

In accordance with § 129.100(d), the owner and operator of an air contamination source subject to this section and § § 129.96 -- 129.99 shall keep records to demonstrate compliance with § § 129.96 -- 129.99 in the following manner:

(1) The records must include sufficient data and calculations to demonstrate that the requirements of § § 129.96 -- 129.99 are met.

(2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

 # 010 [25 Pa. Code §129.100]

Compliance demonstration and recordkeeping requirements.

The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

[From 129.100(i)]

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.

 # 011 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall maintain the following parameters within their prescribed ranges.

(1) The range for the SCR (Selective catalytic reduction) influent temperature shall be 550 to 800 ºF. The temperature range may be amended upon the company demonstrating that the temperature range is different during operation.

(2) Liquid recirculation rate.

(i) The minimum scrubbing liquid recirculation rate for the Preconditioning Chamber (PCC) of the Cloud Chamber System (CCS) shall be 1,140 gpm, based upon the manufacturer specification.

(ii) The minimum scrubbing liquid recirculation rate for the Cloud Generation Vessel (CGV) of the Cloud Chamber System (CCS) shall be 720 gpm, based upon the manufacturer specification.

(3) pH of the scrubbing liquid.

(i) The range of scrubbing liquid pH for the PCC shall be 5.5 to 12, based upon the manufacturer specification.

(ii) The range of scrubbing liquid pH for the CGV shall be 4.5 to 12, based upon the manufacturer specification.

[From Plan Approval 25-025T, Section D, Source 359, Condition # 013(a). Also from Plan Approval 25-025W, Section D, Source 359, Condition # 012(a) as amended with the December 21, 2017, Addendum Memo to the 12/14/17 plan approval inspection report.]

(b) The company shall operate the cloud chamber, oxidation catalyst, and selective catalytic reduction system any time an engine is being operated in the test cell.

[From Plan Approval 25-025O, Section D, Source 359, Condition # 013(d). Also from Plan Approval 25-025W, Section D, Source 359, Condition # 012(b).]

(c) [Reserved. This paragraph was removed in Plan Approval 25-025W, Section D, Source 359, Condition # 012(c).]

[Compliance with paragraphs (a) and (b) of this operating permit condition assures compliance with the Compliance Assurance Monitoring (CAM) provisions of 40 CFR Part 64 pertaining to indicator ranges.]

[As indicated in plan approval 25-025W Section D Condition 010(e) of Source 359, the temperature monitor for the influent to the SCR will be accepted as representative of the oxidation catalyst.]

 # 012 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The company shall install, operate and maintain the engine test cell, cloud chamber, oxidation catalyst, and selective catalytic reduction system in accordance with the manufacturer's specifications as well as good air pollution control practices.

[From Plan Approval 25-025W, Section D, Condition # 013(a) of Source 359. Also from Plan Approval 25-025O; Section D; Condition # 014(a) for Source359.]

(b) [Reserved. This paragraph was removed with Plan Approval 25-025W, Section D, Condition # 013(b) of Source 359.]

SECTION D. Source Level Requirements

 # 013 [25 Pa. Code §129.99]

Alternative RACT proposal and petition for alternative compliance schedule.

The facility shall limit test cell engine idle to the extent possible under a given research and development test plan.

[From August 10, 2017, approval of Case-by-case alternative RACT II proposal.]

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).

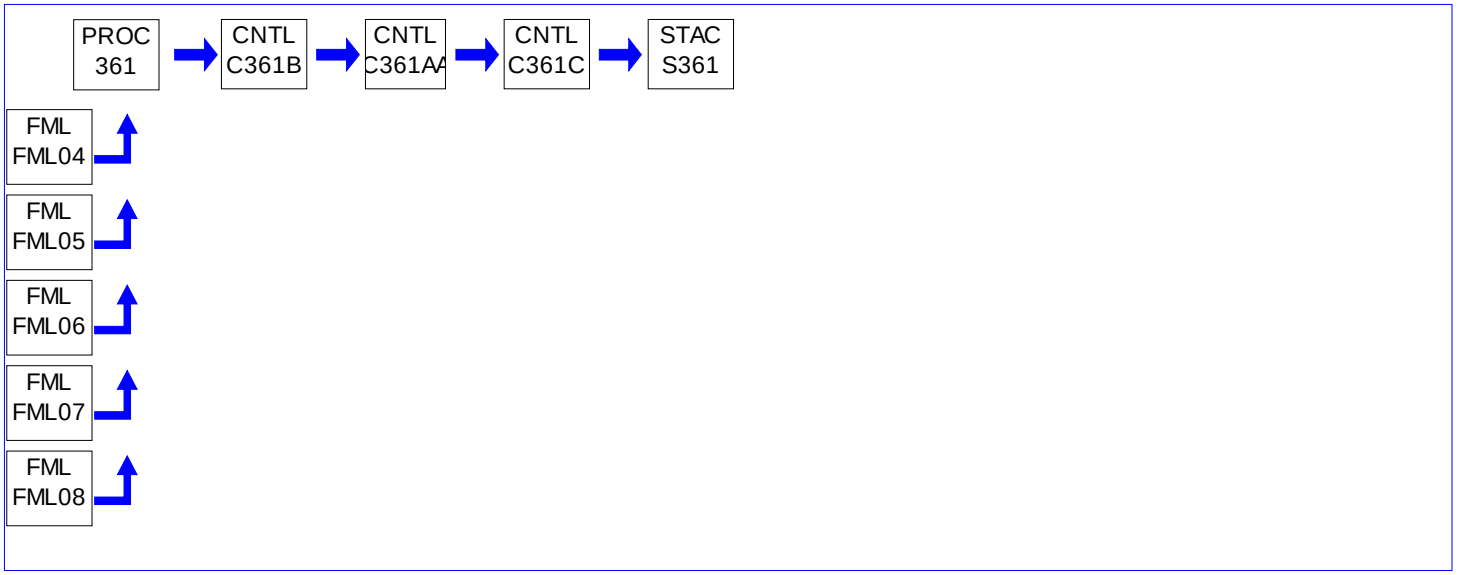
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 361 Source Name: BLDG 4E TEST CELL #3

Source Capacity/Throughput: 390.000 Gal/HR ULTRA LOW SULFUR DIESEL
51.540 MCF/HR LNG, CNG, NG

Conditions for this source occur in the following groups: 13 - QC & QIP FOR CAM



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The following short-term air contaminant emission limits are approved for each test cell.

(1) The company shall limit the emissions of ammonia to 10 ppmdv, or less.

(2) The company shall limit the emissions of nitrogen oxides (calculated as NO2) to 7.40 grams per brake horsepower per hour.

(3) The company shall limit the emissions of carbon monoxide (CO) to 3.73 grams per brake horsepower per hour.

(4) The company shall limit the emissions of sulfur dioxide (SO2) to 6.40 grams per brake horsepower per hour.

(5) The company shall limit the emissions of particulate matter (filterable and condensable) to 0.45 grams per brake horsepower per hour.

(6) The company shall limit the emissions of volatile organic compounds to 0.55 grams per brake horsepower per hour. The volatile organic compounds shall be calculated as methane.

(7) Compliance with the short-term emission limits shall be determined by the average of the 3 runs conducted during the stack test that is required by this plan approval.

(8) The short-term emission limits apply at all times except during start-up and shutdown periods.

[From Plan Approval 25-025W, Section D, Condition # 005 of Source 361 and from Plan Approval 25-025T, Section D, Condition # 005 of Source 361]

SECTION D. Source Level Requirements

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The following air contaminant emission limits are approved for the 3 engine test cells (Source 359, 361, & 364) located in Building 4E and area 10-K, combined.

(1) The company shall limit the emissions of nitrogen oxides (calculated as NO2) to 341.8 tons, or less, in any 12 consecutive month rolling period.

(2) The company shall limit the emissions of carbon monoxide (CO) to 29.4 tons, or less, in any 12 consecutive month rolling period.

(3) The company shall limit the emissions of sulfur dioxide (SO2) to 73.2 tons, or less, in any 12 consecutive month rolling period.

(4) The company shall limit the emissions of particulate matter to 12.7 tons, or less, in any 12 consecutive month rolling period.

(5) The 12-month period emission limit for the pollutants listed above includes the emissions from start-ups and shutdowns.

[From Plan Approval 25-025W, Section D, Condition # 004 of Sources 359, 361, and 364.]

Fuel Restriction(s).

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The test engines shall use only ULSD (ultra low sulfur diesel - 15 ppm sulfur), LNG (liquid natural gas), CNG (compressed natural gas), NG (natural gas), and/or hydrogen (H2) in this test cell.

For the purpose of this permit condition, diesel is defined as any fuel that meets an appropriate ASTM or equivalent standard for a diesel.

[From Plan Approval 25-025W, Section D, Condition # 006 of Source 361. Also from Plan Approval 25-025T; Section D; Condition # 006 for Source 361. This condition is amended in this TV operating permit to add the May 16, 2022, Department approval of the use of hydrogen fuel in this source and to define diesel fuel.]

Throughput Restriction(s).

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The company shall limit the amount of fuel combusted in the three test cells (Source 359, 361, & 364) to a combined 11,000,000 gallons in a 12-month rolling period.

(b) LNG/CNG/NG/H2 fuel use will be converted to gallon equivalents of #2 oil on a BTU basis for purposes of demonstrating compliance with the fuel limitation.

[From Plan Approval 25-025W, Section D, Condition # 007 of Sources 359, 361, and 364. This condition is amended in this TV operating permit to add the May 16, 2022, Department approval of the use of hydrogen fuel in this source and to define diesel fuel.]

II. TESTING REQUIREMENTS.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[The requirement for initial stack testing is a one-time requirement which has already been met. The requirements are from Plan Approval 25-025W, Section D, Condition # 008 of Source 361. And also from Plan Approval 25-025O; Section D;

SECTION D. Source Level Requirements

Condition # 008 for Source 361.]

[The initial stack tests were conducted as follows:
• Initial stack testing on Source 361 was conducted on 7/29/2014, 7/30/2014, & 7/31/2014 in accordance with plan approval 25-025Q (which was preceded by plan approval 25-025O and superseded by plan approvals 25-025T and 25-025W). Reference the Department Source Test Review Memo of April 8, 2016.]

III. MONITORING REQUIREMENTS.

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The company shall, prior to the testing of the engine and at the end of the testing, monitor the amount of fuel combusted.

[From Plan Approval 25-025W, Section D, Condition # 010(a) of Source 361. Also from Plan Approval 25-025O; Section D; Condition # 010(a) for Source 361.]

(b) - (c) [Paragraphs (b) and (c) are Reserved. They were removed with plan approval 25-025W.]

(d) The company shall continuously monitor the selective catalyst reduction system (Johnson Matthey system) outlet temperature when an engine is operating in the test cell.

[From Plan Approval 25-025T; Section D; Condition # 010(d) for Source 361. Also from Plan Approval 25-025W; Section D; Condition # 010(d) for Source 361.]

(e) The company shall continuously monitor the temperature of the oxidation catalyst when an engine is operating in the test cell. The temperature monitoring of the SCR outlet required in part (d) will be accepted as representative of the oxidation catalyst.

[From Plan Approval 25-025W, Section D, Condition # 010(e) of Source 361.]

(f) The company shall, at least once per day, during daylight hours, when an engine is operating in the test cell, perform a Method 22-like visual observation to determine if there are any visible emissions from the stack of the test cell. If any emissions are detected by a Method 22-like procedure, a Method 9 test shall be performed immediately. If a Method 9 certified observer is not available at the time emissions are detected by the Method 22-like procedure, the Method 9 test shall be performed within 24-hours, except that the Method 9 test may be performed within 48 hours if emissions are detected on a Saturday, Sunday, or holiday. If a Method 9 test cannot be performed immediately, the rationale for testing at a later time shall be documented and these records kept for a period of five years. The Department shall be notified, in writing, of any such occurrence immediately.

• The approved frequency is Method 22 like visual observation at least once per 24-hour period when in operation and Method 9 if emissions are detected by Method 22 like visual observation.

[From Plan Approval 25-025W, Section D, Condition # 010(f) of Source 361. Also from Plan Approval 25-025O; Section D; Condition # 010(g) for Source 361.]

(g) The permittee shall continuously monitor the pressure drop across the filter when an engine is operating in the test cell.

[From Plan Approval 25-025W, Section D, Condition # 010(g) of Source 361. Also from Plan Approval 25-025Q; Section F; Condition # 002(c) for Source 361.] [Compliance with Paragraphs (d) and (e) of this condition assures compliance with the Compliance Assurance Monitoring (CAM) provisions of 40 CFR Part 64.]

IV. RECORDKEEPING REQUIREMENTS.

 # 007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Sufficient data shall be recorded so that compliance with the conditions in this Plan Approval can be determined. Records

SECTION D. Source Level Requirements

shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

[From Plan Approval 25-025W, Section D, Condition # 011 of Source 361. Also from Plan Approval 25-025O; Section D; Condition # 012 for Source 361.]

 # 008 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The company shall keep a copy of the manufacturer's specifications for:

(1) the dry filter system;

(2) the oxidation catalyst;

(3) the selective catalytic reduction system;

(4) [Reserved. This paragraph was removed with plan approval 25-025W.]

[From Plan Approval 25-025W, Section D, Condition # 011(a) of Source 361.]

(b) The company shall, on a monthly basis, keep a record of the fuel combusted in each test cell.

[From Plan Approval 25-025W, Section D, Condition # 011(b) of Source 361. Also from Plan Approval 25-025O; Section D; Condition # 012(b) of Source 361.]

(c) The company shall keep a record of the weight percentage of sulfur in the fuel being combusted in the test cell. When the fuel is natural gas, this condition may be satisfied by demonstrating that the natural gas combusted is pipeline natural gas from a natural gas distribution utility.

[From Plan Approval 25-025W, Section D, Condition # 011(c) of Source 361. Also from Plan Approval 25-025T; Section D; Condition # 012(c) of Source 361.]

(d) The company shall keep a record of the type of fuel that is combusted in each engine.

[From Plan Approval 25-025W, Section D, Condition # 011(d) of Source 361. Also from Plan Approval 25-025O; Section D; Condition # 012(d) of Source 361.]

(e) [Reserved. Paragraph (e) was removed for this source with plan approval 25-025W.]

(f) The company shall keep a record of:

(1) the date that engine started operation in the test cell;

(2) the date that the engine ceased operation in the test cell;

(3) the total amount of time that the engine operated in the test cell;

(4) the time that the engine started operation in the test cell;

(5) [Reserved. This paragraph was removed with plan approval 25-025W.]

(6) the time that the SCR catalyst achieved the minimum operating temperature.

[From Plan Approval 25-025W, Section D, Condition # 011(f) of Source 361. Also from Plan Approval 25-025T; Section D; Condition # 012(f) of Source 361.]

(g) [Reserved. Paragraph (g) was removed for this source with the December 21, 2017, Addendum Memo to the 12/14/17

SECTION D. Source Level Requirements

inspection report for plan approval 25-025W.]

(h) The company shall keep a copy of the results of the stack testing required by this plan approval.

[From Plan Approval 25-025W, Section D, Condition # 011(h) of Source 361. Also from Plan Approval 25-025O; Section D; Condition # 012(h) of Source 361.]

(i) [Reserved. This paragraph was removed with plan approval 25-025W.]

(j) The permittee shall maintain records of the following:

(1) SCR outlet temperature continuously - defined as at least once every 15 minutes.

(2) Filter pressure drop continuously - defined as at least once every 15 minutes.

[From Plan Approval 25-025W, Section D, Condition # 011(j) of Source 361. Also from Plan Approval 25-025T; Section D; Condition # 012(j) for Source 361.]

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.

 # 009 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall maintain the following parameters within their prescribed ranges:

(1) SCR (Johnson Matthey selectic catalytic reduction system) outlet temperature range shall be 570 to 950 °F.

(2) Filter pressure drop shall be 20 inches water maximum, based upon manufacturer recommendation.

Within 24-hours of discovery of a reading outside of the prescribed range the permittee shall perform a maintenance inspection on the control device and take corrective action. Records of all maintenance inspections on the control device, and corrective actions taken, shall be maintained on site for a minimum period of five years. In the event of more than one documented excursion outside the prescribed range in any calendar quarter the permittee shall submit a corrective measure plan to the Department. Corrective measures may include an increase of the frequency of required preventative maintenance inspections of the control device, a modification of the prescribed range, or other appropriate action as approved by the Department. Upon receipt of a corrective measure plan the Department shall determine the appropriate corrective measure on a case-by case basis. The temperature range may be amended upon the company demonstrating that the temperature range is different during operation. The new temperature range will be incorporated in to the facility's operating permit.

[From Plan Approval 25-025W, Section D, Condition # 012(a) of Source 361. Also from Plan Approval 25-025T; Section D; Condition # 013(a) for Source 361, as amended with the December 21, 2017, Addendum Memo to the 12/14/17 plan approval inspection report.]

(b) - (c) [Reserved. These paragraphs were removed with plan approvals 25-025T and 25-025W.]

(d) The company shall operate the oxidation catalyst, dry filter system, and selective catalytic reduction system any time an engine is being operated in the test cell.

[From Plan Approval 25-025W, Section D, Condition # 012(d) of Source 361. Also from Plan Approval 25-025T; Section D; Condition # 013(d) for Source 361.]

SECTION D. Source Level Requirements

(e) [Reserved. These paragraphs were removed with plan approvals 25-025T and 25-025W.]

[Compliance with paragraph (a)(1) of this operating permit condition assures compliance with the Compliance Assurance Monitoring (CAM) provisions of 40 CFR Part 64 pertaining to indicator ranges.]

[As indicated in plan approval 25-025W Section D Condition 010(e) of Source 361, the temperature monitor for the influent to the SCR will be accepted as representative of the oxidation catalyst.]

 # 010 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The company shall install, operate and maintain the engine test cell, oxidation catalyst, dry filter system, and selective catalytic reduction system in accordance with the manufacturer's specifications as well as good air pollution control practices.

[From Plan Approval 25-025W, Section D, Condition # 013(a) of Sources 361 and 364. Also from Plan Approval 25-025T; Section D; Condition # 014(a) for Sources 361 and 364.]

(b) [Reserved. This paragraph was removed with plan approval 25-025W.]

VII. ADDITIONAL REQUIREMENTS.

 # 011 [25 Pa. Code §129.96]

Applicability

ADDITIONAL RACT REQUIREMENTS FOR MAJOR SOURCES OF NOx AND VOCs

[From 129.96(a)]

The NOx requirements of this section and § § 129.97 - 129.100 apply Statewide to the owner and operator of a major NOx emitting facility and the VOC requirements of this section and § § 129.97 - 129.100 apply Statewide to the owner and operator of a major VOC emitting facility that were in existence on or before July 20, 2012, for which a requirement or emission limitation, or both, has not been established in § § 129.51—129.52c, 129.54—129.69, 129.71—129.73, 129.75, 129.77, 129.101—129.107 and 129.301—129.310.

[Construction of Source 361, Building 4E Test Cell #3, began after July 20, 2012. Since this source was constructed after the applicability date for RACT II, it is not subject to the requirements of RACT II.]

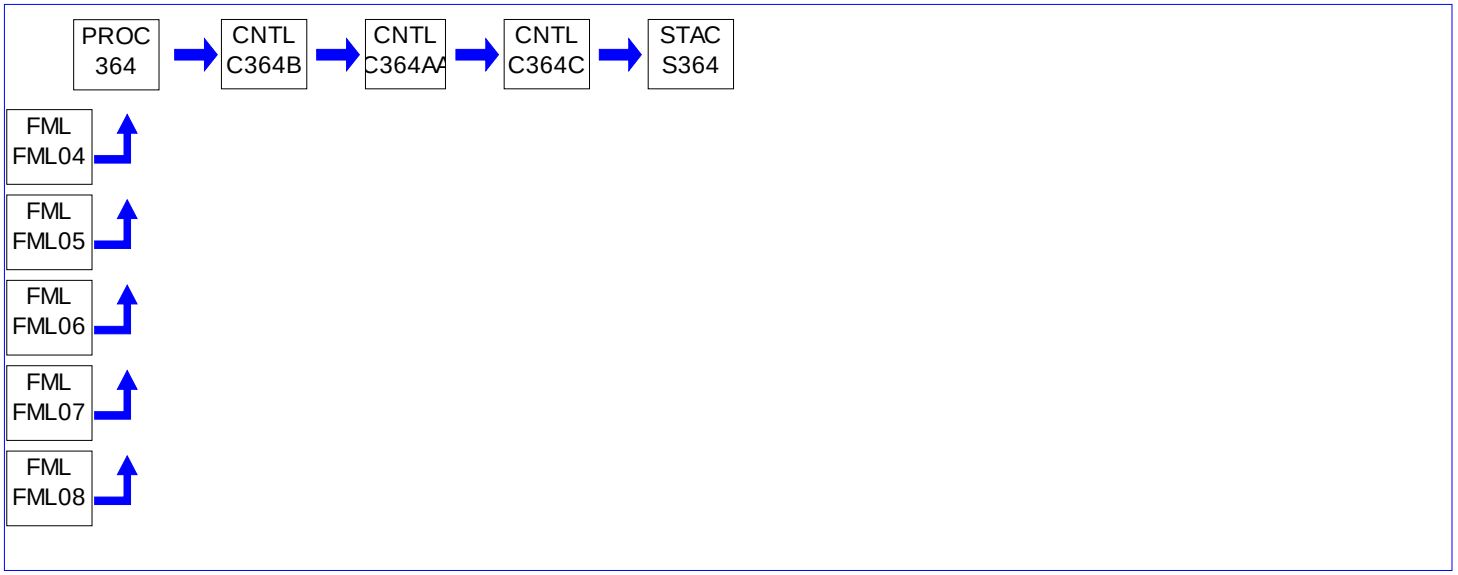
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 364 Source Name: AREA 10K TEST CELL #1

Source Capacity/Throughput:	390.000	Gal/HR	ULTRA LOW SULFUR DIESEL
	51.540	MCF/HR	LNG, CNG, NG

Conditions for this source occur in the following groups: 13 - QC & QIP FOR CAM



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The following short-term air contaminant emission limits are approved for each test cell.

(1) The company shall limit the emissions of ammonia to 10 ppmdv, or less.

(2) The company shall limit the emissions of nitrogen oxides (calculated as NO2) to 7.40 grams per brake horsepower per hour.

(3) The company shall limit the emissions of carbon monoxide (CO) to 3.73 grams per brake horsepower per hour.

(4) The company shall limit the emissions of sulfur dioxide (SO2) to 6.40 grams per brake horsepower per hour.

(5) The company shall limit the emissions of particulate matter (filterable and condensable) to 0.45 grams per brake horsepower per hour.

(6) The company shall limit the emissions of volatile organic compounds to 0.55 grams per brake horsepower per hour. The volatile organic compounds shall be calculated as methane.

(7) Compliance with the short-term emission limits shall be determined by the average of the 3 runs conducted during the stack test that is required by this plan approval.

(8) The short-term emission limits apply at all times except during start-up and shutdown periods.

[From Plan Approval 25-025W, Section D, Condition # 005 of Source 364 and from Plan Approval 25-025T, Section D, Condition # 005 of Source 364]

SECTION D. Source Level Requirements

 # 002 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

(a) The following air contaminant emission limits are approved for the 3 engine test cells (Source 359, 361, & 364) located in Building 4E and area 10-K, combined.

(1) The company shall limit the emissions of nitrogen oxides (calculated as NO2) to 341.8 tons, or less, in any 12 consecutive month rolling period.

(2) The company shall limit the emissions of carbon monoxide (CO) to 29.4 tons, or less, in any 12 consecutive month rolling period.

(3) The company shall limit the emissions of sulfur dioxide (SO2) to 73.2 tons, or less, in any 12 consecutive month rolling period.

(4) The company shall limit the emissions of particulate matter to 12.7 tons, or less, in any 12 consecutive month rolling period.

(5) The 12-month period emission limit for the pollutants listed above includes the emissions from start-ups and shutdowns.

[From Plan Approval 25-025W, Section D, Condition # 004 of Sources 359, 361, and 364.]

Fuel Restriction(s).

 # 003 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

The test engines shall use only ULSD (ultra low sulfur diesel - 15 ppm sulfur), LNG (liquid natural gas), CNG (compressed natural gas), NG (natural gas), and/or hydrogen (H2) in this test cell.

For the purpose of this permit condition, diesel is defined as any fuel that meets an appropriate ASTM or equivalent standard for a diesel.

[From Plan Approval 25-025W, Section D, Condition # 006 of Source 364. Also from Plan Approval 25-025T; Section D; Condition # 006 for Source 364. This condition is amended in this TV operating permit to add the May 16, 2022, Department approval of the use of hydrogen fuel in this source and to define diesel fuel.]

Throughput Restriction(s).

 # 004 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

(a) The company shall limit the amount of fuel combusted in the three test cells (Source 359, 361, & 364) to a combined 11,000,000 gallons in a 12-month rolling period.

(b) LNG/CNG/NG/H2 fuel use will be converted to gallon equivalents of #2 oil on a BTU basis for purposes of demonstrating compliance with the fuel limitation.

[From Plan Approval 25-025W, Section D, Condition # 007 of Sources 359, 361, and 364. This condition is amended in this TV operating permit to add the May 16, 2022, Department approval of the use of hydrogen fuel in this source and to define diesel fuel.]

II. TESTING REQUIREMENTS.

 # 005 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

[The requirement for initial stack testing is a one-time requirement which has already been met. The requirements are from Plan Approval 25-025W, Section D, Condition # 008 of Source 364. And also from Plan Approval 25-025O; Section D;

SECTION D. Source Level Requirements

Condition # 008 for Source 364.]

[The initial stack tests were conducted as follows:
• Initial stack testing on Source 364 was conducted on 2/21/2013 & 2/28/2013 in accordance with plan approval 25-025Q (which was preceded by plan approval 25-025O and superseded by plan approvals 25-025T and 25-025W). Reference the Department Source Test Review Memo of January 8, 2014.]

III. MONITORING REQUIREMENTS.

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The company shall, prior to the testing of the engine and at the end of the testing, monitor the amount of fuel combusted.

[From Plan Approval 25-025W, Section D, Condition # 010(a) of Source 364. Also from Plan Approval 25-025O; Section D; Condition # 010(a) for Source 364.]

(b) - (c) [Paragraphs (b) and (d) are Reserved. They were removed in plan approval 25-025W.]

(d) The company shall continuously monitor the selective catalyst reduction system (Johnson Matthey system) outlet temperature when an engine is operating in the test cell.

[From Plan Approval 25-025T; Section D; Condition # 010(d) for Source 364. Also from Plan Approval 25-025W; Section D; Condition # 010(d) for Source 364.]

(e) The company shall continuously monitor the temperature of the oxidation catalyst when an engine is operating in the test cell. The temperature monitoring of the SCR outlet required in part (d) will be accepted as representative of the oxidation catalyst.

[From Plan Approval 25-025W, Section D, Condition # 010(e) of Source 364.]

(f) The company shall, at least once per day, during daylight hours, when an engine is operating in the test cell, perform a Method 22-like visual observation to determine if there are any visible emissions from the stack of the test cell. If any emissions are detected by a Method 22-like procedure, a Method 9 test shall be performed immediately. If a Method 9 certified observer is not available at the time emissions are detected by the Method 22-like procedure, the Method 9 test shall be performed within 24-hours, except that the Method 9 test may be performed within 48 hours if emissions are detected on a Saturday, Sunday, or holiday. If a Method 9 test cannot be performed immediately, the rationale for testing at a later time shall be documented and these records kept for a period of five years. The Department shall be notified, in writing, of any such occurrence immediately.

• The approved frequency is Method 22 like visual observation at least once per 24-hour period when in operation and Method 9 if emissions are detected by Method 22 like visual observation.

[From Plan Approval 25-025W, Section D, Condition # 010(f) of Source 364. Also from Plan Approval 25-025O; Section D; Condition # 010(g) for Source 364.]

(g) The permittee shall continuously monitor the pressure drop across the filter when an engine is operating in the test cell.

[From Plan Approval 25-025W, Section D, Condition # 010(g) of Source 364. Also from Plan Approval 25-025Q; Section F; Condition # 002(c) for Source 364.] [Compliance with Paragraphs (d) and (e) of this condition assures compliance with the Compliance Assurance Monitoring (CAM) provisions of 40 CFR Part 64.]

IV. RECORDKEEPING REQUIREMENTS.

 # 007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Sufficient data shall be recorded so that compliance with the conditions in this Plan Approval can be determined. Records

SECTION D. Source Level Requirements

shall be kept for a minimum of 5 years and shall be made available to the Department upon request.

[From Plan Approval 25-025W, Section D, Condition # 011 of Source 364. Also from Plan Approval 25-025O; Section D; Condition # 012 for Source 364.]

 # 008 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The company shall keep a copy of the manufacturer's specifications for:

(1) the dry filter system;

(2) the oxidation catalyst;

(3) the selective catalytic reduction system;

(4) [Reserved. This paragraph was removed with plan approval 25-025W.]

[From Plan Approval 25-025W, Section D, Condition # 011(a) of Source 364.]

(b) The company shall, on a monthly basis, keep a record of the fuel combusted in each test cell.

[From Plan Approval 25-025W, Section D, Condition # 011(b) of Source 364. Also from Plan Approval 25-025O; Section D; Condition # 012(b) of Source 364.]

(c) The company shall keep a record of the weight percentage of sulfur in the fuel being combusted in the test cell. When the fuel is natural gas, this condition may be satisfied by demonstrating that the natural gas combusted is pipeline natural gas from a natural gas distribution utility.

[From Plan Approval 25-025W, Section D, Condition # 011(c) of Source 364. Also from Plan Approval 25-025T; Section D; Condition # 012(c) of Source 364.]

(d) The company shall keep a record of the type of fuel that is combusted in each engine.

[From Plan Approval 25-025W, Section D, Condition # 011(d) of Source 364. Also from Plan Approval 25-025O; Section D; Condition # 012(d) of Source 364.]

(e) [Reserved. Paragraph (e) was removed for this source with plan approval 25-025W.]

(f) The company shall keep a record of:

(1) the date that engine started operation in the test cell;

(2) the date that the engine ceased operation in the test cell;

(3) the total amount of time that the engine operated in the test cell;

(4) the time that the engine started operation in the test cell;

(5) [Reserved. This paragraph was removed with plan approval 25-025W.]

(6) the time that the SCR catalyst achieved the minimum operating temperature.

[From Plan Approval 25-025W, Section D, Condition # 011(f) of Source 364. Also from Plan Approval 25-025T; Section D; Condition # 012(f) of Source 364.]

(g) [Reserved. Paragraph (g) was removed for this source with the December 21, 2017, Addendum Memo to the 12/14/17

inspection report for plan approval 25-025W.]

(h) The company shall keep a copy of the results of the stack testing required by this plan approval.

[From Plan Approval 25-025W, Section D, Condition # 011(h) of Source 364. Also from Plan Approval 25-025O; Section D; Condition # 012(h) of Source 364.]

(i) [Reserved. This paragraph was removed with plan approval 25-025W.]

(j) The permittee shall maintain records of the following:

(1) SCR outlet temperature continuously - defined as at least once every 15 minutes.

(2) Filter pressure drop continuously - defined as at least once every 15 minutes.

[From Plan Approval 25-025W, Section D, Condition # 011(j) of Source 364. Also from Plan Approval 25-025T; Section D; Condition # 012(j) for Source 364.]

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.

 # 009 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall maintain the following parameters within their prescribed ranges:

(1) SCR (Johnson Matthey selectic catalytic reduction system) outlet temperature shall be 570 to 950 °F.

(2) Filter pressure drop shall be 20 inches water maximum, based upon manufacturer recommendation.

Within 24-hours of discovery of a reading outside of the prescribed range the permittee shall perform a maintenance inspection on the control device and take corrective action. Records of all maintenance inspections on the control device, and corrective actions taken, shall be maintained on site for a minimum period of five years. In the event of more than one documented excursion outside the prescribed range in any calendar quarter the permittee shall submit a corrective measure plan to the Department. Corrective measures may include an increase of the frequency of required preventative maintenance inspections of the control device, a modification of the prescribed range, or other appropriate action as approved by the Department. Upon receipt of a corrective measure plan the Department shall determine the appropriate corrective measure on a case-by case basis. The temperature range may be amended upon the company demonstrating that the temperature range is different during operation. The new temperature range will be incorporated in to the facility's operating permit.

[From Plan Approval 25-025W, Section D, Condition # 012(a) of Source 364. Also from Plan Approval 25-025T; Section D; Condition # 013(a) for Source 364 as amended with the December 21, 2017, Addendum Memo to the 12/14/17 plan approval inspection report.]

(b) - (c) [Reserved. These paragraphs were removed with plan approvals 25-025T and 25-025W.]

(d) The company shall operate the oxidation catalyst, dry filter system, and selective catalytic reduction system any time an engine is being operated in the test cell.

[From Plan Approval 25-025W, Section D, Condition # 012(d) of Source 364. Also from Plan Approval 25-025T; Section D; Condition # 013(d) for Source 364.]

SECTION D. Source Level Requirements

(e) [Reserved. These paragraphs were removed with plan approvals 25-025T and 25-025W.]

[Compliance with paragraph (a)(1) of this operating permit condition assures compliance with the Compliance Assurance Monitoring (CAM) provisions of 40 CFR Part 64 pertaining to indicator ranges.]

[As indicated in plan approval 25-025W Section D Condition 010(e) of Source 364, the temperature monitor for the influent to the SCR will be accepted as representative of the oxidation catalyst.]

 # 010 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The company shall install, operate and maintain the engine test cell, oxidation catalyst, dry filter system, and selective catalytic reduction system in accordance with the manufacturer's specifications as well as good air pollution control practices.

[From Plan Approval 25-025W, Section D, Condition # 013(a) of Sources 361 and 364. Also from Plan Approval 25-025T; Section D; Condition # 014(a) for Sources 361 and 364.]

(b) [Reserved. This paragraph was removed with plan approval 25-025W.]

VII. ADDITIONAL REQUIREMENTS.

 # 011 [25 Pa. Code §129.96]

Applicability

ADDITIONAL RACT REQUIREMENTS FOR MAJOR SOURCES OF NOx AND VOCs

[From 129.96(a)]

The NOx requirements of this section and § § 129.97 - 129.100 apply Statewide to the owner and operator of a major NOx emitting facility and the VOC requirements of this section and § § 129.97 - 129.100 apply Statewide to the owner and operator of a major VOC emitting facility that were in existence on or before July 20, 2012, for which a requirement or emission limitation, or both, has not been established in § § 129.51—129.52c, 129.54—129.69, 129.71—129.73, 129.75, 129.77, 129.101—129.107 and 129.301—129.310.

[Construction of Source 364, Area 10K Test Cell #1, began after July 20, 2012. Since this source was constructed after the applicability date for RACT II, it is not subject to the requirements of RACT II.]

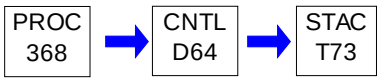
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 368 Source Name: PAINT BOOTH (18-A-35)

Source Capacity/Throughput: 1.000 Gal/HR PAINT

Conditions for this source occur in the following groups: 04 - SURFACE COATING WITH PM CONTROL
06 - ALL SURFACE COATING
07 - NESHAP FOR SURFACE COATING



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The weight of VOCs per gallon of coating (minus water) shall not exceed 3.5 pounds per gallon for primer and 4.3 for top coat after adjustment to a standard solvent density of 7.36 pounds per gallon and to a solids basis or will meet the requirements of 25 PA Code 129.52 Table 1 for Miscellaneous metal parts and products.

(b) VOC emissions shall not exceed 24 tpy based on a consecutive 12-month period.

[From plan approval 25-318-087, conditions 3 & 4; and from plan approval PA-25-025B]

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.

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall keep appropriate records of coating quantity (gallons of coating/unit time) and coating composition and should be available to Department personnel upon request. Coating composition records for each surface coating operation should at least include % solids (by volume), % solvents (by volume), % water (by volume), lbs of VOC/gallon of coating minus water and solvent density.

[From plan approval 25-318-087, condition 8; and plan approval PA-25-025B]

 # 003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain monthly records of VOC emissions.

V. REPORTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

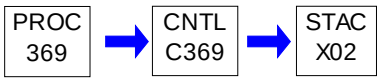
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 369 Source Name: PAINT BOOTH BAY (18-B-36)

Source Capacity/Throughput: 1.000 Gal/HR PAINT

Conditions for this source occur in the following groups: 04 - SURFACE COATING WITH PM CONTROL
06 - ALL SURFACE COATING
07 - NESHAP FOR SURFACE COATING



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The maximum amount of VOC per volume of coating solids for coatings used in this process shall not exceed 6.67 lbs VOC/gallon coating solids.

[Parargarph (a) of this condition was derived from plan approval 25-318-095, condition 2 and from plan approval PA-25-025B which read, "The weight of VOCs per gallon of coating (minus water) for primer and top coat shall not exceed 3.5 after adjustment to a standard solvent density of 7.36 pounds per gallon and to a solids basis."]

(b) VOC emissions shall not exceed 6.3 tpy based on a consecutive 12-month period.

[Paragraph (b) of this condition is from plan approval 25-318-095, condition 3; and plan approval PA: PA-25-025B.]

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.

 # 002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain monthly records of VOC emissions.

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.

 # 003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) The permittee shall replace the filters at least 4 times per year.

SECTION D. Source Level Requirements

(b) If the operational inspections show that the filters need to be replaced sooner than as stated in paragraph (a), the permittee shall replace the filters.

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: 372 Source Name: ENGINE TEST LAB, 7 TEST CELLS (A-G) (BLDG 18E)

Source Capacity/Throughput: 300.000 Gal/HR DIESEL, MARINE DIESEL

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from any process in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

 # 002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source 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.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Annual emission rate from all diesel engine testing in Building 18 shall not exceed the following based on a 12 consecutive month rolling average.

(a) NOx 214 tpy

(b) CO 87 tpy

(c) SOx 28 tpy

[From plan approval 25-399-025A]

 # 004 [25 Pa. Code §129.99]

Alternative RACT proposal and petition for alternative compliance schedule.

NOx emissions from Source 372 shall not exceed the following:
(1) 214 tpy for each full engine test cell; and
(2) 214 tpy for the single cylinder test cell.

[From August 10, 2017, approval of Case-by-case alternative RACT II proposal.]

SECTION D. Source Level Requirements

Throughput Restriction(s).

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The maximum annual diesel fuel consumption for Engine testing (Building 18) shall be limited to 1,100,000 gallons.

(b) Annual fuel consumption shall be based upon a quarterly rolling average.

(c) For the purpose of this permit condition, diesel is defined as any fuel that meets an appropriate ASTM or equivalent standard for a diesel. Hydrogen can be used as a blending fuel with diesel for testing novel fuel combinations. Hydrogen use will be converted to gallon equivalents of #2 oil on a BTU basis for purposes of demonstrating compliance with the fuel limitation.

[From condition #3 of plan approval PA 25-399-025A issued July 24, 1995. Compliance with this throughput restriction from plan approval assures compliance with the August 10, 2017, approval of 25 Pa. Code § 129.99 Case-by-case alternative RACT II proposal for Source 372. Paragraph (c) is added to this TV operating permit to incorporate the May 16, 2022, Department approval of the use of hydrogen fuel in this source and to define diesel fuel.]

II. TESTING REQUIREMENTS.

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) If the permittee is conducting emissions testing using the same testing protocol previously approved by the Department, submission of a new protocol prior to testing is not required.

(b) The permittee shall submit notification to the Department's Northwest Regional Office of the proposed test date and reference the previously approved protocol in the notification.

(c) The permittee shall also reference the previously approved protocol in the submission of the report of test results.

[This operating permit condition is derived from a September 18, 2013, email from David A. Clark, DEP AQ Source Testing, to James Verderese, GE Transportation, with copies emailed to Rick Begley and John Guth at the DEP.]

[The approved test protocol for Source 372 prepared by Steven Brockel of U. S. Nels, Inc., on February 25, 2013, was received by the Northwest Regional Office on March 12, 2013, and is filed in file GE Transp Sys Erie AQ/Facilities/Case/25-000-00025. A revision to the protocol (to use average F-Factor and Heating Value) was approved in a January 14, 2016, email from David A. Clark to Steven Brockel of U. S. Nels, Inc., with copies emailed to James Verderese at GE and Lori McNabb at the DEP. The revision is detailed in a January 13, 2016, email from Steven Brockel to David Clark. Copies of these emails are also filed in NWRO file GE Transp Sys Erie AQ/Facilities/Case/25-000-00025.]

 # 007 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall perform semi-annual portable analyzer testing for NOx, CO, & SOx in accordance with a preapproved testing protocol.

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.

 # 008 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain monthly records of the following:

(a) Diesel fuel consumption, equivalent;

SECTION D. Source Level Requirements

(b) NOx emissions;

(c) CO emissions;

(d) SOx emissions.

[Paragraph (a) of this operating permit condition is modified to add the word 'equivalent' to reflect the May 16, 2022, approval of eRFD 9520 which approved the use of Hydrogen as a blending fuel.]

 # 009 [25 Pa. Code §129.100]

Compliance demonstration and recordkeeping requirements.

In accordance with § 129.100(d), the owner and operator of an air contamination source subject to this section and § § 129.96 -- 129.99 shall keep records to demonstrate compliance with § § 129.96 -- 129.99 in the following manner:

(1) The records must include sufficient data and calculations to demonstrate that the requirements of § § 129.96 -- 129.99 are met.

(2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

 # 010 [25 Pa. Code §129.100]

Compliance demonstration and recordkeeping requirements.

The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

[From 129.100(i)]

V. REPORTING REQUIREMENTS.

 # 011 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Annual emissions shall be based upon a quarterly rolling average.

(b) The company shall submit quarterly reports indicating the NOx, CO, and SOx emissions for the diesel engine testing.

(c) Annual emissions shall be updated by adding emissions during the more recent quarter and dropping the emissions of the corresponding quarter in the preceding year.

[From condition # 6 of plan approval PA-25-399-025A issued July 24, 1995.]

 # 012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Emission reports shall be submitted to the Department within 30 days of the end of each calendar quarter.

[Authority for this condition is derived from 25 PA Code § 129.92]

VI. WORK PRACTICE REQUIREMENTS.

 # 013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's specifications and with good operating practices.

[Compliance with this operating permit conditions for all test cells of this source assurance compliance the presumptive RACT requirement of § 129.97(c)(3) for Turbo Charger Test Cell A.]

SECTION D. Source Level Requirements

 # 014 [25 Pa. Code §129.99]

Alternative RACT proposal and petition for alternative compliance schedule.

The facility shall limit test cell engine idle to the extent possible under a given research and development test plan.

[From August 10, 2017, approval of Case-by-case alternative RACT II proposal.]

VII. ADDITIONAL REQUIREMENTS.

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

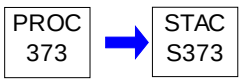
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 373 Source Name: 4 TEST CAR DIESEL GENERATORS, 108 KW, 145 HP (BLDG 60)

Source Capacity/Throughput: 3.000 Gal/HR DIESEL FUEL

Conditions for this source occur in the following groups: 08 - ALL ENGINES
09 - NSPS FOR CI ICE



I. RESTRICTIONS.

Fuel Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only burn diesel fuel.

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: 510 Source Name: COOLING TOWER BLDG 22D

Source Capacity/Throughput: 180,000.000 Gal/HR WATER

PROC 510 → STAC Z510

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 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).

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain and operate the source in accordance with the manufacturer's specifications and with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

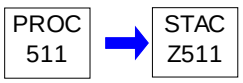
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

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

SECTION D. Source Level Requirements

Source ID: 511 Source Name: COOLING TOWER (10J)

Source Capacity/Throughput: 52,800.000 Gal/HR WATER



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

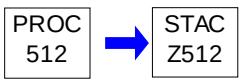
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

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

SECTION D. Source Level Requirements

Source ID: 512 Source Name: MECHANICAL DRAFT COOLING TOWER NEXT TO BLDG 4E

Source Capacity/Throughput: 324,000.000 Gal/HR WATER



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

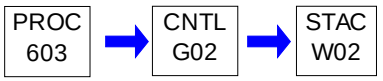
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 603 Source Name: PAINT BOOTH (2-C-36)

Source Capacity/Throughput: 1.500 Gal/HR PAINT

Conditions for this source occur in the following groups: 04 - SURFACE COATING WITH PM CONTROL
06 - ALL SURFACE COATING
07 - NESHAP FOR SURFACE COATING



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

VOC emissions shall not exceed 6.2 tpy based on a consecutive 12-month period.

[From plan approval 25-318-108, condition 5; plan approval PA-25-025B; and plan approval 25-025G, Section D, Source 603, Condition 2.]

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.

 # 002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain monthly records of the VOC emissions.

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.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall perform a weekly operational inspection of the control device

(b) The permittee shall maintain a manometer or similar device to measure the pressure drop across the filters. The pressure drop range across the filters shall be determined and this range shall be submitted to the Department for approval.

(c) Filters replacement will be performed as necessary to maintain the proper pressure drop range across the filters. If the operational inspection shows that the filters need to be replaced sooner that stated above, the permittee shall replace the

SECTION D. Source Level Requirements

filters.

[From Plan Approval 25-025G, Condition #005, Section D, Source 603]

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

When using a different type of filter that has at least the same removal efficiencies as the current installed sets of filters, the permittee shall determine a new normal pressure range and submit this range to the Department for approval within sixty (60) days after installation of new filter type.

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: 620 Source Name: COMMUTATOR LATHES (6-1-E-9)

Source Capacity/Throughput: 1.000 Lbs/HR METAL PARTS

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 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).

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 §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) The permittee shall maintain a record of all scheduled preventative maintenance inspections of the control devices. These records shall, at a minimum, contain the dates of the inspections, any problems or defects, the actions taken to correct the problem or defects, and any routine maintenance performed.

(b) The permittee shall maintain a record of the following parameter from the operational inspections:

- Pressure drop across the control device.

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 §127.441]

Operating permit terms and conditions.

(a) The permittee shall perform a weekly operational inspection of the control device for the weeks when the source is in operation.

(b) The permittee shall maintain a manometer or similar device to measure the pressure drop across the filter. The pressure drop across the filter shall be maintained in the appropriate range as dictated by the gauge manufacturer and developed gauge operating parameters.

SECTION D. Source Level Requirements

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall operate the control device at all times that the source is in operation.

(b) The permittee shall maintain and operate the source and control device in accordance with the manufacturer's specifications, in accordance with good air pollution control practices, or in accordance with good engineering practices.

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 631 Source Name: COMMUTATOR LATHES (6-1-E-4)

Source Capacity/Throughput: 2.000 Tons/HR MICA, COPPER

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 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).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall perform a weekly operational inspection of the control device for those weeks when the source is in operation.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain a record of all scheduled preventative maintenance inspections of the control devices. These records shall, at a minimum, contain the dates of the inspections, any problems or defects, the actions taken to correct the problem or defects, and any routine maintenance performed.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall operate the control device at all times that the source is in operation.

(b) The permittee shall maintain and operate the source and control device in accordance with the manufacturer's specifications, in accordance with good air pollution control practices, or in accordance with good engineering practices.

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

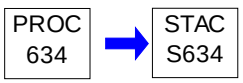
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 634 Source Name: VPI OPERATIONS (6-A-A20 LT)

Source Capacity/Throughput: 1.000 Gal/HR COATING

Conditions for this source occur in the following groups: 05 - SURFACE COATING WITHOUT CONTROL
06 - ALL SURFACE COATING
07 - NESHAP FOR SURFACE COATING



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).

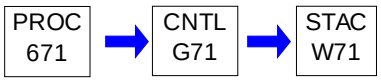
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 671 Source Name: PAINT BOOTH (6-A-31)

Source Capacity/Throughput: 2.000 Gal/HR PRIMER

Conditions for this source occur in the following groups: 04 - SURFACE COATING WITH PM CONTROL
06 - ALL SURFACE COATING
07 - NESHAP FOR SURFACE COATING



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: 672 Source Name: PAINT BOOTH (BLDG 6 BAY C COLUMN 27)

Source Capacity/Throughput: 1.000 Gal/HR PAINT

Conditions for this source occur in the following groups: 04 - SURFACE COATING WITH PM CONTROL
06 - ALL SURFACE COATING
07 - NESHAP FOR SURFACE COATING

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: 673 Source Name: PAINT BOOTH (6-B-31)

Source Capacity/Throughput: 1.000 Gal/HR PAINT & SOLVENTS

Conditions for this source occur in the following groups: 04 - SURFACE COATING WITH PM CONTROL
06 - ALL SURFACE COATING
07 - NESHAP FOR SURFACE COATING

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.

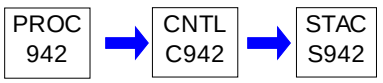
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

SECTION D. Source Level Requirements

Source ID: 942 Source Name: MISCELLANEOUS MACHINING & GRINDING

Source Capacity/Throughput: 1.000 Tons/HR METAL



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 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).

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 §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) The permittee shall maintain a record of all scheduled preventative maintenance inspections of the control devices. These records shall, at a minimum, contain the dates of the inspections, any problems or defects, the actions taken to correct the problem or defects, and any routine maintenance performed.

(b) The permittee shall maintain a record of the following parameter from the operational inspections:

- Pressure drop across the control device.

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 §127.12b]

Plan approval terms and conditions.

(a) The permittee shall perform a weekly operational inspection of the control device for the weeks when the source is in operation

(b) The permittee shall maintain a manometer or similar device to measure the pressure drop across the filter. The pressure drop range across the filters shall be determined and this range shall be submitted to the Department for approval.

[From Plan Approval 25-025G, Condition #003, Section D, Source 942]

SECTION D. Source Level Requirements

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

When using a different type of filter that has at least the same removal efficiencies as the current installed sets of filters, the permittee shall determine a new normal pressure range and submit this range to the Department for approval within 60 days after installation of new filter type.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall operate the control device at all times that the source is in operation.

(b) The permittee shall maintain and operate the source and control device in accordance with the manufacturer's specifications, in accordance with good air pollution control practices, or in accordance with good engineering practices.

VII. ADDITIONAL REQUIREMENTS.

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

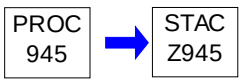
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 945 Source Name: INDUSTRIAL CLEANING SOLVENTS USAGE

Source Capacity/Throughput: 1.000 Lbs/HR SOLVENTS

Conditions for this source occur in the following groups: 12 - 129.63A CLEANING SOLVENT USE



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: 946 Source Name: COLD CLEANERS/DEGREASER

Source Capacity/Throughput: 1.000 Lbs/HR SOLVENT

PROC 946 → STAC Z946

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 §129.63]

Degreasing operations

(a) Cold cleaning machines. Except for those subject to the Federal National emissions standards for hazardous air pollutants (NESHAP) for halogenated solvent cleaners under 40 CFR Part 63 (relating to National emission standards for hazardous air pollutants for source categories), this subsection applies to cold cleaning machines that use 2 gallons or more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts.

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

(2) Immersion cold cleaning machines and remote reservoir cold cleaning machines shall:

(i) Have a permanent, conspicuous label summarizing the operating requirements in paragraph (3). In addition, the label shall include the following discretionary good operating practices:

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

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

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

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

(3) Cold cleaning machines shall be operated in accordance with the following procedures:

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

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

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

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

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

(4) After December 22, 2002, a person may not use, sell or offer for sale for use in a cold cleaning machine any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

(5) On and after December 22, 2002, a person who sells or offers for sale any solvent containing VOCs for use in a cold cleaning machine shall provide, to the purchaser, the following written information:

(i) The name and address of the solvent supplier.

(ii) The type of solvent including the product or vendor identification number.

(iii) The vapor pressure of the solvent measured in mm hg at 20°C (68°F).

(6) A person who operates a cold cleaning machine shall maintain for at least 2 years and shall provide to the Department, on request, the information specified in paragraph (5). An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this section.

(7) Paragraph (4) does not apply:

(i) To cold cleaning machines used in extreme cleaning service.

(ii) If the owner or operator of the cold cleaning machine demonstrates, and the Department approves in writing, that compliance with paragraph (4) will result in unsafe operating conditions.

(iii) To immersion cold cleaning machines with a freeboard ratio equal to or greater than 0.75.

(b) - (d) Not applicable

(e) Alternative provisions for solvent cleaning machines. This section applies to all solvent cleaning machines used to process metal parts that use solvents containing greater than 5% VOC by weight. As an alternative to complying with subsections (b)-(d), the operator of a solvent cleaning machine may demonstrate compliance with paragraph (1) or (2). The operator shall maintain records sufficient to demonstrate compliance. The records shall include, at a minimum, the quantity of solvent added to and removed from the solvent cleaning machine, the dates of the addition and removal and shall be maintained for at least 2 years.

SECTION D. Source Level Requirements

(1) If the solvent cleaning machine has a solvent/air interface, the owner or operator shall:

(i) Maintain a log of solvent additions and deletions for each solvent cleaning machine.

(ii) Not applicable

VII. ADDITIONAL REQUIREMENTS.

 # 002 [25 Pa. Code §129.96]

Applicability

ADDITIONAL RACT REQUIREMENTS FOR MAJOR SOURCES OF NOx AND VOCs

[Derived from § 129.96(a)]

The VOC requirements of this section and § § 129.97 - 129.100 apply Statewide to the owner and operator of a major VOC emitting facility that were in existence on or before July 20, 2012, for which a requirement or emission limitation, or both, has not been established in § § 129.54—129.69.

[Since this facility is subject to requirements or emission limitation established in 129.63, this source is not subject to the provisions of RACT II as indicated in this condition.]

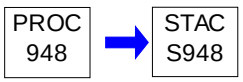
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 948 Source Name: EMERGENCY GENERATOR BLDG 5 MEZ, EAST END (30KW)

Source Capacity/Throughput: 402.000 CF/HR NATURAL GAS

Conditions for this source occur in the following groups: 08 - ALL ENGINES
11 - NESHAP FOR EMERGENCY ENGINES



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).

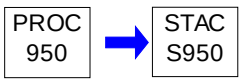
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 950 Source Name: EMERGENCY GENERATOR BLDG 7 LOADING DOCK AREA (75 KW)

Source Capacity/Throughput: 1,010.000 CF/HR NATURAL GAS

Conditions for this source occur in the following groups: 08 - ALL ENGINES
11 - NESHAP FOR EMERGENCY ENGINES



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).

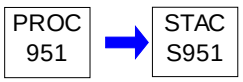
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 951 Source Name: EMERGENCY GENERATOR BLDG 24, INSIDE SW CORNER (30 KW)

Source Capacity/Throughput: 402.000 CF/HR NATURAL GAS

Conditions for this source occur in the following groups: 08 - ALL ENGINES
11 - NESHAP FOR EMERGENCY ENGINES



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).

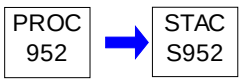
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 952 Source Name: EMERGENCY GENERATOR BLDG 63 MEZ. ABOVE MAINT. (50 KW)

Source Capacity/Throughput: 670.000 CF/HR NATURAL GAS

Conditions for this source occur in the following groups: 08 - ALL ENGINES
11 - NESHAP FOR EMERGENCY ENGINES



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).

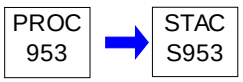
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 953 Source Name: EMERGENCY GENERATOR BEHIND BLDG 9; SW CORNER (66 HP)

Source Capacity/Throughput: 402.000 CF/HR NATURAL GAS

Conditions for this source occur in the following groups: 08 - ALL ENGINES
11 - NESHAP FOR EMERGENCY ENGINES



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.

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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.

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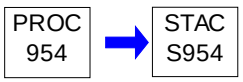
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 954 Source Name: EMERGENCY GENERATOR WEST SIDE BLDG 2 (60 KW)

Source Capacity/Throughput: 804.000 CF/HR NATURAL GAS

Conditions for this source occur in the following groups: 08 - ALL ENGINES
11 - NESHAP FOR EMERGENCY ENGINES



I. RESTRICTIONS.

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II. TESTING REQUIREMENTS.

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III. MONITORING REQUIREMENTS.

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IV. RECORDKEEPING REQUIREMENTS.

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V. REPORTING REQUIREMENTS.

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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.

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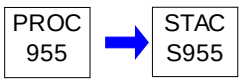
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 955 Source Name: EMERG GENERATOR MAIN GATE BEHIND GUARD 2D (60 KW 98 HP) GAS

Source Capacity/Throughput: 809.000 CF/HR NATURAL GAS

Conditions for this source occur in the following groups: 08 - ALL ENGINES
10 - NSPS FOR SI ICE



I. RESTRICTIONS.

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II. TESTING REQUIREMENTS.

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VI. WORK PRACTICE REQUIREMENTS.

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VII. ADDITIONAL REQUIREMENTS.

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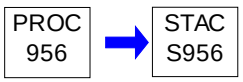
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 956 Source Name: EMERGENCY GENERATOR WEST SIDE BLDG 10 (75 KW)

Source Capacity/Throughput: 1,010.000 CF/HR NATURAL GAS

Conditions for this source occur in the following groups: 08 - ALL ENGINES
11 - NESHAP FOR EMERGENCY ENGINES



I. RESTRICTIONS.

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II. TESTING REQUIREMENTS.

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V. REPORTING REQUIREMENTS.

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VI. WORK PRACTICE REQUIREMENTS.

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VII. ADDITIONAL REQUIREMENTS.

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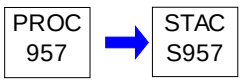
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 957 Source Name: EMERGENCY GENERATOR EAST SIDE BLDG 26 (40 KW)

Source Capacity/Throughput: 540.000 CF/HR NATURAL GAS

Conditions for this source occur in the following groups: 08 - ALL ENGINES
11 - NESHAP FOR EMERGENCY ENGINES



I. RESTRICTIONS.

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VI. WORK PRACTICE REQUIREMENTS.

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VII. ADDITIONAL REQUIREMENTS.

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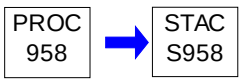
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 958 Source Name: EMERGENCY GENERATOR BEHIND BLDG 14 (100 KW)

Source Capacity/Throughput: 1,340.000 CF/HR NATURAL GAS

Conditions for this source occur in the following groups: 08 - ALL ENGINES
11 - NESHAP FOR EMERGENCY ENGINES



I. RESTRICTIONS.

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VI. WORK PRACTICE REQUIREMENTS.

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VII. ADDITIONAL REQUIREMENTS.

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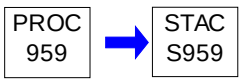
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 959 Source Name: EMERGENCY GENERATOR EAST SIDE BLDG 18 (100 KW)

Source Capacity/Throughput: 1,340.000 CF/HR NATURAL GAS

Conditions for this source occur in the following groups: 08 - ALL ENGINES
11 - NESHAP FOR EMERGENCY ENGINES



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VI. WORK PRACTICE REQUIREMENTS.

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VII. ADDITIONAL REQUIREMENTS.

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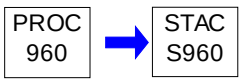
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 960 Source Name: EMERGENCY GENERATOR EAST SIDE BLDG 42 (75 KW)

Source Capacity/Throughput: 1,010.000 CF/HR NATURAL GAS

Conditions for this source occur in the following groups: 08 - ALL ENGINES
11 - NESHAP FOR EMERGENCY ENGINES



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VI. WORK PRACTICE REQUIREMENTS.

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VII. ADDITIONAL REQUIREMENTS.

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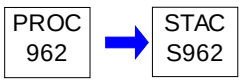
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 962 Source Name: EMERGENCY GENERATOR BLDG 12 NW CORNER (75 KW)

Source Capacity/Throughput: 1,010.000 CF/HR NATURAL GAS

Conditions for this source occur in the following groups: 08 - ALL ENGINES
11 - NESHAP FOR EMERGENCY ENGINES



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VII. ADDITIONAL REQUIREMENTS.

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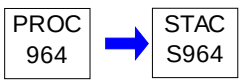
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 964 Source Name: EMERG. GENERATOR BLDG 4 MIDDLE FRONT AREA (60 KW 97 HP) GAS

Source Capacity/Throughput: 940.000 CF/HR NATURAL GAS

Conditions for this source occur in the following groups: 08 - ALL ENGINES
10 - NSPS FOR SI ICE
11 - NESHAP FOR EMERGENCY ENGINES



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VI. WORK PRACTICE REQUIREMENTS.

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VII. ADDITIONAL REQUIREMENTS.

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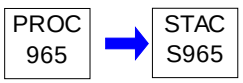
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 965 Source Name: EMERG GENERATOR BLDG 51 MIDDLE EAST AREA (131.3KW 176HP) GAS

Source Capacity/Throughput: 340.000 CF/HR NATURAL GAS

Conditions for this source occur in the following groups: 08 - ALL ENGINES
10 - NSPS FOR SI ICE
11 - NESHAP FOR EMERGENCY ENGINES



I. RESTRICTIONS.

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VI. WORK PRACTICE REQUIREMENTS.

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VII. ADDITIONAL REQUIREMENTS.

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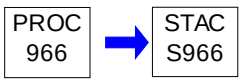
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 966 Source Name: EMERGENCY GENERATOR BLDG 50 MIDDLE SOUTH AREA (40 KW)

Source Capacity/Throughput: 540.000 CF/HR NATURAL GAS

Conditions for this source occur in the following groups: 08 - ALL ENGINES
11 - NESHAP FOR EMERGENCY ENGINES



I. RESTRICTIONS.

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

SECTION D. Source Level Requirements

Source ID: 968 Source Name: MISC VOC EMISSION SOURCES

Source Capacity/Throughput: 0.002 Tons/HR

PROC 968 → STAC Z73

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Source Definition]

This source includes use of miscellaneous VOC-containing materials that are not covered by another permitted source throughout the plant. Source ID 968 includes adhesives, sealants, adhesive and sealant primers, and surface preparation and cleanup solvents regulated under 25 Pa Code § 129.77 as well as other miscellaneous VOC emissions sources including alcohol, miscellaneous cleaners, aerosol spray paint used for touch up, miscellaneous chemicals, miscellaneous solvents, miscellaneous varnishes, body putty (e.g., Bondo), aerosol lubricants, and thread lockers.

 # 002 [25 Pa. Code §129.77.]

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

(a) This section applies to the owner or operator of a facility that uses or applies one or more of the following at the facility on or after January 1, 2012:

(1) An adhesive, sealant, adhesive primer or sealant primer subject to the VOC content limits in Table V.

(2) An adhesive or sealant product applied to the listed substrate subject to the VOC content limits in Table VI.

(3) A surface preparation solvent or cleanup solvent.

(b) On or after January 1, 2012, an owner or operator of a facility may not use or apply at the facility an adhesive, sealant, adhesive primer or sealant primer that exceeds the applicable VOC content limit in Table V or VI, except as provided elsewhere in this section.

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

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

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

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

(e) - (g) [Not applicable.]

(h) - (j) [Paragraphs (h) through (j) are printed under Work Practice Requirements in this section of permit.]

(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).

SECTION D. Source Level Requirements

(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) - (m) [Not applicable.]

(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) - (q) [Paragraphs (o) through (q) are printed under Recordkeeping Requirements in this section of permit.]

[Source: The provisions of this § 129.77 adopted December 24, 2010, effective December 25, 2010, 40 Pa.B. 7340; amended June 27, 2014, effective June 28, 2014, 44 Pa.B. 3929.]

 # 003 [25 Pa. Code §129.96]

Applicability

ADDITIONAL RACT REQUIREMENTS FOR MAJOR SOURCES OF NOx AND VOCs

[Derived from §129.96(a):]

(a) The VOC requirements of this section and § § 129.97—129.100 apply Statewide to the owner and operator of a major VOC emitting facility that were in existence on or before July 20, 2012, for which a requirement or emission limitation, or both, has not been established in § 129.77. [Text from the regulation which does not apply to this source is ommitted from this paragraph.]

(b) [Not applicable]

(c) This section and § § 129.97—129.100 do not apply to the owner and operator of a NOx air contamination source located at a major NOx emitting facility that has the potential to emit less than 1 TPY of NOx or a VOC air contamination source located at a major VOC emitting facility that has the potential to emit less than 1 TPY of VOC.

(d) [Not applicable]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [25 Pa. Code §129.100]

Compliance demonstration and recordkeeping requirements.

ADDITIONAL RACT REQUIREMENTS FOR MAJOR SOURCES OF NOx AND VOCs

The owner and operator of an air contamination source subject to this section and §§ 129.96 - 129.99 shall keep records to demonstrate compliance with §§ 129.96 - 129.99 in the following manner:

(1) The records must include sufficient data and calculations to demonstrate that the requirements of §§ 129.96 - 129.99 are met.

(2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

[From § 129.100(d). Compliance with this condition will demonstrate the applicability of and compliance with the presumptive RACT condition of 129.97(c)(2) for VOC air contamination sources that have the potential to emit less than 2.7 tpy of VOC.]

 # 005 [25 Pa. Code §129.77.]

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

(a) - (g) [Paragraphs (a) through (g) are printed under Emission Restrictions in this section of permit.]

(h) - (j) [Paragraphs (h) through (j) are printed under Work Practice Requirements in this section of permit.]

(k) - (n) [Paragraphs (k) through (n) are printed under Emission Restrictions in this section of permit.]

(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 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) [Not applicable]

(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.

[Source: The provisions of this § 129.77 adopted December 24, 2010, effective December 25, 2010, 40 Pa.B. 7340; amended June 27, 2014, effective June 28, 2014, 44 Pa.B. 3929.]

SECTION D. Source Level Requirements

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 006 [25 Pa. Code §129.77.]

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

(a) - (g) [Paragraphs (a) through (g) are printed under Emission Restrictions in this section of permit.]

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

(i) An owner or operator of a facility subject to this section may not solicit, require or specify the use or application of an adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent or cleanup solvent if the use or application would result in a violation of this section, unless the emissions are controlled through the use of add-on air pollution control equipment as specified in subsection (g). The prohibition of this subsection applies to all written or oral contracts created on or after January 1, 2012, under which an adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent or cleanup solvent subject to this section is to be used or applied at a facility in this Commonwealth.

(j) An owner or operator of a facility subject to this section who uses or applies an adhesive, sealant, adhesive primer or sealant primer subject to this section may not add solvent to the adhesive, sealant, adhesive primer or sealant primer in an amount in excess of the manufacturer's recommendation for application, if this addition causes the adhesive, sealant, adhesive primer or sealant primer to exceed the applicable VOC content limit listed in Table V or VI, unless the emissions are controlled through the use of add-on air pollution control equipment as specified in subsection (g).

(k) - (n) [Paragraphs (k) through (n) are printed under Emission Restrictions in this section of permit.]

(o) - (q) [Paragraphs (o) through (q) are printed under Recordkeeping Requirements in this section of permit.]

[Source: The provisions of this § 129.77 adopted December 24, 2010, effective December 25, 2010, 40 Pa.B. 7340; amended June 27, 2014, effective June 28, 2014, 44 Pa.B. 3929.]

 # 007 [25 Pa. Code §129.97]

Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.

The permittee shall install, maintain and operate the source in accordance with the manufacturer's specifications and with good operating practices.

[Derived from 129.97(c)(2)]

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 969 Source Name: EMERGENCY GENERATOR SE CORNER BLDG 9 (500 KW, 750 HP DIESEL)

Source Capacity/Throughput: 1.000 Gal/HR DIESEL FUEL

Conditions for this source occur in the following groups: 08 - ALL ENGINES
11 - NESHAP FOR EMERGENCY ENGINES

PROC 969 → STAC S969

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

This emergency diesel engine shall at a minimum comply with the NOx emission standard of 6.9 gms/hp-hr.

[From BAQ-GPA/GP-9 (Rev 6/2006) General Plan Approval # GP-25-00025 Condition 7b(ii)]

 # 002 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

If the diesel-fired internal combustion engine has an engine rating greater than 100 brake horsepower, the engine shall, at a minimum, comply with a Total Hydrocarbon (THC) emission standard of 1.0 gm/bhp-hr.

[From BAQ-GPA/GP-9 (Rev 6/2006) General Plan Approval # GP-25-00025 Condition 7b(i)]

 # 003 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

This emergency diesel engine shall at a minimum comply with CO emission standard of 2.0 gms/bhp-hr.

[From BAQ-GPA/GP-9 (Rev 6/2006) General Plan Approval # GP-25-00025 Condition 7b(iii)]

 # 004 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

The particulate matter emissions from each engine shall not exceed 0.4 gms/bhp-hr.

[From BAQ-GPA/GP-9 (Rev 6/2006) General Plan Approval # GP-25-00025 Condition 7b(v)]

 # 005 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

Visible emissions from diesel engine(s) stacks shall not exceed the following limitations:
(a) Equal to or greater than 10% for a period or periods aggregating more than three (3) minutes in any one (1) hour; and
(b) Equal to or greater than 30% at any time.

[From BAQ-GPA/GP-9 (Rev 6/2006) General Plan Approval # GP-25-00025 Condition 7b(vi)]

 # 006 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

Start-up and Shut-down Exclusion:
The emission limitations for this source included in the Source Level Restrictions Section of this permit shall apply at all times except during periods of start-up and shut-down, provided, however, that the duration of start-up and shut-down do not exceed one hour per occurrence.

[From BAQ-GPA/GP-9 (Rev 6/2006) General Plan Approval # GP-25-00025 Condition 19]

SECTION D. Source Level Requirements

Fuel Restriction(s).

 # 007 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

The sulfur content in diesel fuel shall not, at any time, exceed 0.3 percent (by weight).

[From BAQ-GPA/GP-9 (Rev 6/2006) General Plan Approval # GP-25-00025 Condition 7b(iv)]

II. TESTING REQUIREMENTS.

 # 008 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

In accordance with BAQ-GPA/GP-9 (Rev 6/2006) General Plan Approval # GP-25-00025 Condition 8(e), the Department accepted the Cummins Power Generation vendor exhaust emission data sheet to show compliance with the NOx emission limit for Source 969. The initial stack test cited in GP-9 condition 8(b) and the subsequent annual portable analyzer testing of GP-9 condition 8(c) are not required.

[Reference September 8, 2011, letter from the Department to GE in response to the August 17, 2011, submission of vendor datain the Department's NWRO file for GE Transp Sys Erie: AQ/Facilities/Case/25-000-00025 01/11 – 12/11.]

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.

 # 009 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

(a) The permittee shall maintain accurate records, which, at a minimum, shall include:
(i) The number of hours per calendar year that each engine or piece of equipment operated using non-resettable hour meter.
(ii) The amount of fuel used per calendar year in each engine or piece of equipment.

(b) When a new diesel-fired internal combustion engine is installed in accordance with [BAQ-GPA/GP-9 General Plan Approval # GP-25-00025] Conditions 2 and 7.b and is required to conduct a performance test, the permittee shall maintain records or report the following:
(i) Records including a description of testing methods, results, all engine operating data collected during the tests and a copy of the calculations performed to determine compliance with emission standards.
(ii) Copies of the report that demonstrates that the engines were operating at rated brake horsepower and rated speed conditions during performance testing.
(iii) Submittal of reports in accordance with the requirements and schedules outlined in this Permit.

[From BAQ-GPA/GP-9 (Rev 6/2006) General Plan Approval # GP-25-00025 Condition 9]

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).

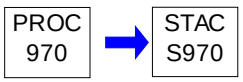
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 970 Source Name: EMERGENCY WATER PUMP GENERATOR E OF 19A YARD (610 HP DIESEL)

Source Capacity/Throughput: 27.500 Gal/HR DIESEL FUEL

Conditions for this source occur in the following groups: 08 - ALL ENGINES
11 - NESHAP FOR EMERGENCY ENGINES



I. RESTRICTIONS.

Fuel Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall burn only diesel fuel.

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.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The source shall be maintained and operated in accordance with the manufacturer's specifications, in accordance with good air pollution control practices, or in accordance with good engineering practices.

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).

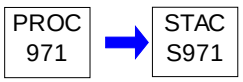
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 971 Source Name: EMERGENCY GENERATOR, WWTP BLDG 13B (400 KW, 755 HP, DIESEL)

Source Capacity/Throughput: 112.000 Gal/HR DIESEL

Conditions for this source occur in the following groups: 08 - ALL ENGINES
09 - NSPS FOR CI ICE



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).

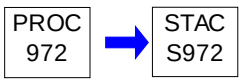
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 972 Source Name: EMERGENCY GENERATOR AT 4H (150 KW, 230 HP, DIESEL)

Source Capacity/Throughput: 11.300 Gal/HR DIESEL

Conditions for this source occur in the following groups: 08 - ALL ENGINES
09 - NSPS FOR CI ICE



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).

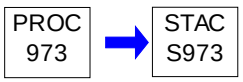
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 973 Source Name: EMERG. GENERATOR BLDG 6 WEST SUB 6-L (100KW 114HP) NAT GAS

Source Capacity/Throughput: 1,090.000 CF/HR Natural Gas

Conditions for this source occur in the following groups: 08 - ALL ENGINES
10 - NSPS FOR SI ICE



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).

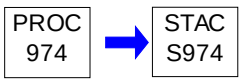
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 974 Source Name: EMERGENCY GENERATOR BLDG 20 (70 BHP) NATURAL GAS

Source Capacity/Throughput: 519.000 CF/HR Natural Gas

Conditions for this source occur in the following groups: 08 - ALL ENGINES
10 - NSPS FOR SI ICE



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).

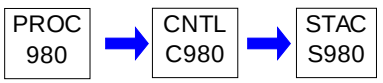
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 980 Source Name: BUILDING 6 PAINT BOOTH (BAY C - COLUMNS 12 & 13)

Source Capacity/Throughput: 1.000 Gal/HR PAINT

Conditions for this source occur in the following groups: 04 - SURFACE COATING WITH PM CONTROL
06 - ALL SURFACE COATING
07 - NESHAP FOR SURFACE COATING



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The VOC emissions from the source shall not exceed 6.06 tpy in any 12 consecutive month period.

[From Plan Approval 25-025S, Section D, Source 980, Condition #002.]

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).

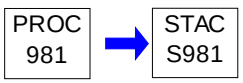
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 981 Source Name: ELECTRO-COAT DIP PAINTING (BDLG 7)

Source Capacity/Throughput: 11.000 Gal/HR COATING

Conditions for this source occur in the following groups: 05 - SURFACE COATING WITHOUT CONTROL
06 - ALL SURFACE COATING
07 - NESHAP FOR SURFACE COATING



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).

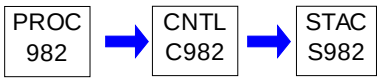
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 982 Source Name: WET PAINT BOOTH (BDLG 7)

Source Capacity/Throughput: 0.750 Gal/HR COATING

Conditions for this source occur in the following groups: 04 - SURFACE COATING WITH PM CONTROL
06 - ALL SURFACE COATING
07 - NESHAP FOR SURFACE COATING



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: 983 Source Name: HAND APPLICATION OF COATINGS

Source Capacity/Throughput: 5.000 Gal/HR COATINGS

Conditions for this source occur in the following groups: 05 - SURFACE COATING WITHOUT CONTROL
06 - ALL SURFACE COATING
07 - NESHAP FOR SURFACE COATING

PROC 983 → STAC Z983

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.

 # 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.

[In accordance with 25 Pa. Code § 129.52d(g)(8), printed in Section E of this permit, GE submitted a request for approval of this source, involving hand application of surface coatings, on November 7, 2016. The Department approved the hand application coating methods on December 16, 2016.]

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

SECTION E. Source Group Restrictions.

Group Name: 01 - BOILERS - STATE STANDARD

Group Description: 25 PA Code PM & SOx emission restrictions for boilers

Sources included in this group

ID	Name
036	BOILER 4
037	BOILER 7
038	BOILER 8
042	BOILER #6

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.11]

Combustion units

(a) A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of the following:

(1) The rate of 0.4 pound per million Btu of heat input, when the heat input to the combustion unit in millions of Btus per hour is greater than 2.5 but less than 50.

(2) The rate determined by the following formula:

A = 3.6E^(-0.56)

where

A = Allowable emissions in pounds per million BTUs of heat input, and

E = Heat input to the combustion unit in millions of BTUs per hour,

when E is equal to or greater than 50 but less than 600.

(3) [Not applicable]

(b) Allowable emissions under subsection (a) are graphically indicated in Appendix A of Chapter 123 of Title 25 of the Pa. Code.

 # 002 [25 Pa. Code §123.22]

Combustion units

[From 25 Pa. Code § 123.22(b) for Erie Air Basin]

A person may not permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO2, from a combustion unit in excess of the rate of 4 pounds per million Btu of heat input over a 1-hour period.

 # 003 [25 Pa. Code §129.97]

Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.

From 129.97(a)(1):

(a) The owner and operator of a source listed in one or more of subsections (b)—(h) located at a major NOx emitting facility or major VOC emitting facility subject to § 129.96 (relating to applicability) shall comply with the applicable presumptive RACT requirement or RACT emission limitation, or both, beginning with the specified compliance date as follows, unless an alternative compliance schedule is submitted and approved under subsections (k)—(m) or § 129.99 (relating to alternative RACT proposal and petition for alternative compliance schedule):

(1) January 1, 2017, for a source subject to § 129.96(a).

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 # 004 [25 Pa. Code §129.97]

Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.

[Boilers 4, 7, 8, & #6 (Sources 036, 037, 038, 042) are subject to the § 129.97(g)(1)(i) RACT II emission restriction of 0.10 lbs NOx per million Btu heat input. However, this emission restriction is streamlined out of the Title V operating permit in favor of the 0.05 lbs NOx per million Btu heat input emission restrictions from Plan Approvals 25-025H and 25-025U as printed in Section D of this permit.]

II. TESTING REQUIREMENTS.

 # 005 [25 Pa. Code §129.100]

Compliance demonstration and recordkeeping requirements.

From 129.100(a):

Except as provided in subsection (c), the owner and operator of an air contamination source subject to a NOx requirement or RACT emission limitation or VOC requirement or RACT emission limitation, or both, listed in § 129.97 (relating to presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule) shall demonstrate compliance with the applicable RACT requirement or RACT emission limitation by performing the following monitoring or testing procedures:

(1) - (3) [Paragraphs (a)(1) through (a)(3) of 25 Pa. Code § 129.100 are not applicable to the existing boilers at GET.]

(4) For an air contamination source without a CEMS, monitoring and testing in accordance with a Department-approved emissions source test that meets the requirements of Chapter 139, Subchapter A (relating to sampling and testing methods and procedures).

The source test shall be conducted one time in each 5-year calendar period.

 # 006 [25 Pa. Code §129.100]

Compliance demonstration and recordkeeping requirements.

From 129.100(b)(1):

Except as provided in § 129.97(k) and § 129.99(i) (relating to alternative RACT proposal and petition for alternative compliance schedule), the owner and operator of an air contamination source subject to subsection (a) shall demonstrate compliance with the applicable RACT requirement or RACT emission limitation in accordance with the procedures in subsection (a) not later than:

(1) January 1, 2017, for a source subject to § 129.96(a) (relating to applicability).

(2) [Paragraph (b)(2) of the regulation 25 Pa. Code § 129.100 is not applicable to GET.]

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.

 # 007 [25 Pa. Code §129.100]

Compliance demonstration and recordkeeping requirements.

From § 129.100(d):

The owner and operator of an air contamination source subject to this section and §§ 129.96 - 129.99 shall keep records to demonstrate compliance with §§ 129.96 - 129.99 in the following manner:

(1) The records must include sufficient data and calculations to demonstrate that the requirements of §§ 129.96 - 129.99 are met.

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(2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

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From 129.100(i):

The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

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.

 # 008 [25 Pa. Code §129.97]

Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.

From 129.97(d):

The owner and operator of a combustion unit or other combustion source located at a major VOC emitting facility subject to § 129.96 shall install, maintain and operate the source in accordance with the manufacturer's specifications and with good operating practices for the control of the VOC emissions from the combustion unit or other combustion source.

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: 02 - NSPS FOR BOILERS

Group Description: 40 CFR Part 60 Subpart Dc for boilers rated between 10 MMBtu/hr and 100 MMBtu/hr

Sources included in this group

ID	Name
036	BOILER 4
037	BOILER 7
038	BOILER 8
042	BOILER #6

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

All records required under 40 CFR Part 60 Subpart Dc shall be maintained by the owner or operator of the affected facility for a period of 5 years following the date of such record.

 # 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Reporting and recordkeeping requirements.

(a) [This is a one-time requirement for notification of startup which has already been completed.]

(b) - (f) [Not applicable.]

(g) (1) Except as provided under paragraphs (g)(2) and (g)(3) of this section, the owner or operator of each affected facility shall record and maintain records of the amount of each fuel combusted during each operating day.

(2) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in §60.48c(f) to demonstrate compliance with the SO2 standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month.

(3) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility or multiple affected facilities located on a contiguous property unit where the only fuels combusted in any steam generating unit (including steam generating units not subject to this subpart) at that property are natural gas, wood, distillate oil meeting the most current requirements in §60.42C to use fuel certification to demonstrate compliance with the SO2 standard, and/or fuels, excluding coal and residual oil, not subject to an emissions standard (excluding opacity) may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month.

(h) [Not applicable.]

(i) [Paragraph (i) of the regulation is streamlined out of the permit in favor of a 25 Pa. Code § 127.441 condition requiring records to be maintained for 5 years.]

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(j) [Not applicable.]

[72 FR 32759, June 13, 2007, as amended at 74 FR 5091, Jan. 28, 2009]

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: 03 - NESHAP FOR BOILERS

Group Description: 40 CFR Part 63 Subpart DDDDD (ICI Boilers and Process Heaters)

Sources included in this group

ID	Name
036	BOILER 4
037	BOILER 7
038	BOILER 8
042	BOILER #6

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

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

What records must I keep?

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

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

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

(3) [Not applicable]

(b) - (h) [Not applicable]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7185, Jan. 31, 2013; 80 FR 72816, Nov. 20, 2015]

 # 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]

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

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

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

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

(c) You must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1). You can keep the records off site for the remaining 3 years.

[Source: 76 FR 15664, Mar. 21, 2011]

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V. REPORTING REQUIREMENTS.

 # 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart DDDDD Table 9]

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

Reporting Requirements

As stated in §63.7550, you must comply with the following requirements for reports:

[References to deviations from emission or operating limits, references to CMS's, and references to semi-annual, annual, and biennial reports are not applicable to GE Boilers 4, 7, 8, & 6 and are omitted from this condition.]

(1) You must submit a Compliance Report. The report must contain:

(a) Information required in §63.7550(c)(1) through (5); and

(b) If there are no deviations from the requirements for work practice standards for periods of startup and shutdown in Table 3 to this subpart that apply to you, a statement that there were no deviations from the emission limitations and work practice standards during the reporting period; and

(c) If you have a deviation from a work practice standard for periods of startup and shutdown, during the reporting period, the report must contain the information in §63.7550(d); and

(d) [Not applicable]

(2) You must submit the report every 5 years according to the requirements in § 63.7550(b).

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7205, Jan. 31, 2013; 80 FR 72830, Nov. 20, 2015]

 # 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

[There are no longer any application notification requirements in 40 CFR § 63.7545 for GE Erie Boilers 4, 7, 8, & 6. The applicable requirements were met as follows.]

[The Initial Notification is a one-time requirement which was already completed with GE's May 8, 2013, submission to both the EPA and the PA DEP.]

[The Notification of Compliance Status is no longer applicable for these sources since it is a one-time requirement which was already met with the March 15, 2016, submission to the EPA and DEP.]

[These requirements were fulfilled according to the provisions of § 63.7545 as promulgated in 76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7183, Jan. 31, 2013; 80 FR 72814, Nov. 20, 2015.]

 # 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

[Note: All references to semi-annual, annual, and biennial compliance reports in § 63.7550 are omitted from the Title V permit since they are not applicable to GE Boilers 4, 7, 8, & 6.]

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

(b) Unless the EPA Administrator has approved a different schedule for submission of reports under §63.10(a), you must submit each report, according to paragraph (h) of this section, by the date in Table 9 to this subpart and according to the requirements in paragraphs (b)(1) through (4) of this section. For units that are subject only to a requirement to conduct subsequent 5-year tune-up according to §63.7540(a)(12), and not subject to emission limits or Table 4 operating limits, you may submit only a 5-year compliance report as specified in paragraphs (b)(1) through (4) of this section, instead of a semi-annual compliance report.

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(1) The first 5-year compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in §63.7495 and ending on December 31 within 1, 2, or 5 years, as applicable, after the compliance date that is specified for your source in §63.7495.

[The first compliance report for GE Boilers 4, 7, 8 & 6 will cover the period from January 31, 2016, through December 31, 2021.]

(2) The first 5-year compliance report must be postmarked or submitted no later than January 31.

[The First Compliance Report is due no later than January 31, 2022.]

(3) Each subsequent 5-year compliance report must cover the applicable 5-year periods from January 1 to December 31.

(4) Each subsequent 5-year compliance report must be postmarked or submitted no later than January 31 following the end of the reporting period.

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

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

(1) If the facility is subject to the requirements of a tune up you must submit a compliance report with the information in paragraphs (c)(5)(i) through (iii) of this section, (xiv) and (xvii) of this section. [Non-applicable text from regulation is omitted from this paragraph.]

(2) - (4) [Not applicable]

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

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

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

(iv)-(xiii) [Not applicable]

(xiv) Include the date of the most recent tune-up for each unit subject to only the requirement to conduct a 5-year tune-up according to §63.7540(a)(12). Include the date of the most recent burner inspection if it was not done on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.

(xv)-(xvi) [Not applicable]

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

(xviii) [Not applicable]

(d)- (e) [Not applicable]

(f) - (g) [Reserved]

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

(1) - (2) [Not applicable]

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

[78 FR 7183, Jan. 31, 2013, as amended at 80 FR 72814, Nov. 20, 2015]

VI. WORK PRACTICE REQUIREMENTS.

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart DDDDD Table 3]

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

Work Practice Standards

Table 3 to Subpart DDDDD of Part 63 -- Work Practice Standards

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

[Item 1 applies to Source ID's 036, 037, 038, & 042; Boilers 4, 7, 8, & 6, all of which are equipped with continuous oxygen trim systems that maintain optimum air to fuel ratio. Item 1 is printed below.]

[Non-applicable items and non-applicable language from the regulation are omitted from this condition.]

[Item 4 is a one-time requirement for an energy assessment (Item 4 of Table 3) which is no longer applicable since it was completed December 1 & 2, 2015, for Boilers 4, 7, 8, & 6. A copy of the energy assessment is available in the Department NWRO Case file, AQ\Facilities\Case\25-000-00025.]

Item 1: If your unit is a new or existing boiler or process heater with a continuous oxygen trim system that maintains an optimum air to fuel ratio, or a heat input capacity of less than or equal to 5 million Btu per hour in any of the following subcategories: unit designed to burn gas 1; unit designed to burn gas 2 (other); or unit designed to burn light liquid, or a limited use boiler or process heater, you must meet the following . . .

Conduct a tune-up of the boiler or process heater every 5 years as specified in § 63.7540.

[78 FR 7198, Jan. 31, 2013, as amended at 80 FR 72823, Nov. 20, 2015]

****

Note: At the time of the 2017 Title V operating permit renewal, the most recent boiler tune-ups at GE Erie were conducted on the following dates.

Source 042, Boiler 6: July 25, 2015;
Source 038, Boiler 8: July 31, 2015;
Source 037, Boiler 7: November 16, 2016;
Source 036, Boiler 4: November 18, 2016.

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

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

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

(a) You must meet the requirements in paragraphs (a)(1) through (3) of this section, except as provided in paragraphs (b), through (e) of this section. You must meet these requirements at all times the affected unit is operating, except as provided in paragraph (f) of this section.

(1) You must meet each work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source. [Non-applicable text from the regulation is omitted from this paragraph,

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including the non-applicable references to Tables 1, 2, 11, 12, 13, and the non-applicable reference to § 63.7522.]

(i) - (iii) [Paragraphs (a)(1)(i) through (iii) of the regulation are not applicable.]

(2) [Not applicable.]

(3) At all times, you must operate and maintain any affected source (as defined in §63.7490), including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

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

(c) - (d) [Not applicable.]

(e) Boilers and process heaters in the units designed to burn gas 1 fuels subcategory are not subject to the emission limits in Tables 1 and 2 or 11 through 13 to this subpart, or the operating limits in Table 4 to this subpart. [Non-applicable text from the regulation pertaining to boilers rated less than 10 million Btu/hr is omitted from this paragraph.]

(f) These standards apply at all times the affected unit is operating, except during periods of startup and shutdown during which time you must comply only with items 5 and 6 of Table 3 to this subpart. [Note: items 5 and 6 of Table 3 to 40 CFR Part 63 Subpart DDDDD are not applicable to Sources 036, 037, 038, 042.]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013; 80 FR 72807, Nov. 20, 2015]

 # 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7505]

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

What are my general requirements for complying with this subpart?

(a) You must be in compliance with the emission limits, work practice standards, and operating limits in this subpart. These emission and operating limits apply to you at all times the affected unit is operating except for the periods noted in §63.7500(f).

(b) - (e) [Paragraphs (b) through (e) of the regulation are not applicable to these sources.]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7164, Jan. 31, 2013; 80 FR 72807, Nov. 20, 2015]

 # 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]

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

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

(a) - (c) [Paragraphs (a) through (c) of the regulation are not applicable to these sources.]

(d) If you are required to meet an applicable tune-up work practice standard, you must conduct an annual, biennial, or 5-year performance tune-up according to §63.7540(a)(10), (11), or (12), respectively. Each annual tune-up specified in §63.7540(a)(10) must be no more than 13 months after the previous tune-up. Each biennial tune-up specified in §63.7540(a)(11) must be conducted no more than 25 months after the previous tune-up. Each 5-year tune-up specified in §63.7540(a)(12) must be conducted no more than 61 months after the previous tune-up. For a new or reconstructed affected source (as defined in §63.7490), the first annual, biennial, or 5-year tune-up must be no later than 13 months, 25 months, or 61 months, respectively, after April 1, 2013 or the initial startup of the new or reconstructed affected source, whichever is later.

[Note: 5-year performance tune-ups are required for GE Erie Boilers 4, 7, 8, & 6.]

(e) - (f) [Paragraphs (e) and (f) of the regulation are not applicable to these sources.]

(g) For affected sources (as defined in §63.7490) that have not operated since the previous compliance demonstration and

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more than one year has passed since the previous compliance demonstration, you must complete the subsequent compliance demonstration, if subject to the emission limits in Tables 1, 2, or 11 through 13 to this subpart, no later than 180 days after the re-start of the affected source and according to the applicable provisions in §63.7(a)(2) as cited in Table 10 to this subpart. You must complete a subsequent tune-up by following the procedures described in §63.7540(a)(10)(i) through (vi) and the schedule described in §63.7540(a)(13) for units that are not operating at the time of their scheduled tune-up.

[Note: Tables 1, 2, and 11 through 13 are not applicable to GE Erie Boilers 4, 7, 8, & 6.]

(h) - (i) [Paragraphs (h) and (i) of the regulation are not applicable to these sources.]

[78 FR 7165, Jan. 31, 2013, as amended at 80 FR 72808, Nov. 20, 2015]

 # 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]

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

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

(a) You must demonstrate continuous compliance with the work practice standards in Table 3 to this subpart according to the methods specified in Table 8 to this subpart and paragraphs (a)(1) through (19) of this section. [Non-applicable text in the regulation is omitted from this paragraph.]

(1) - (9) [Not applicable.]

(10) If your boiler or process heater has a heat input capacity of 10 million Btu per hour or greater, you must conduct an annual tune-up of the boiler or process heater to demonstrate continuous compliance as specified in paragraphs (a)(10)(i) through (vi) of this section. You must conduct the tune-up while burning the type of fuel (or fuels in case of units that routinely burn a mixture) that provided the majority of the heat input to the boiler or process heater over the 12 months prior to the tune-up. This frequency does not apply to limited-use boilers and process heaters, as defined in §63.7575, or units with continuous oxygen trim systems that maintain an optimum air to fuel ratio.

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may perform the burner inspection any time prior to the tune-up or delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;

(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;

(v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

(vi) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section,

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

SECTION E. Source Group Restrictions.

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

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

(11) [Not applicable.]

(12) If your boiler or process heater has a continuous oxygen trim system that maintains an optimum air to fuel ratio, or a heat input capacity of less than or equal to 5 million Btu per hour and the unit is in the units designed to burn gas 1; units designed to burn gas 2 (other); or units designed to burn light liquid subcategories, or meets the definition of limited-use boiler or process heater in §63.7575, you must conduct a tune-up of the boiler or process heater every 5 years as specified in paragraphs (a)(10)(i) through (vi) of this section to demonstrate continuous compliance. You may delay the burner inspection specified in paragraph (a)(10)(i) of this section until the next scheduled or unscheduled unit shutdown, but you must inspect each burner at least once every 72 months. If an oxygen trim system is utilized on a unit without emission standards to reduce the tune-up frequency to once every 5 years, set the oxygen level no lower than the oxygen concentration measured during the most recent tune-up.

(13) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

(14) - (19) [Not applicable.]

(b) You must report each instance in which you did not meet each emission limit and operating limit in Tables 1 through 4 or 11 through 13 to this subpart that apply to you. These instances are deviations from the emission limits or operating limits, respectively, in this subpart. These deviations must be reported according to the requirements in §63.7550.

(c) - (d) [Not applicable.]

[78 FR 7179, Jan. 31, 2013, as amended at 80 FR 72813, Nov. 20, 2015]

VII. ADDITIONAL REQUIREMENTS.

 # 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]

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

When do I have to comply with this subpart?

(a) [Not applicable.]

(b) If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in § 63.6(i).

(c) [Not applicable.]

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

(e) - (i) [Not applicable.]

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

 # 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7565]

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

What parts of the General Provisions apply to me?

Table 10 to this subpart shows which parts of the General Provisions in §§ 63.1 through 63.15 apply to you.

SECTION E. Source Group Restrictions.

[Refer to regulation for Table 10 to 40 CFR Part 63 Subpart DDDDD.]

 # 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7575]

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

What definitions apply to this subpart?

Terms used in this subpart are defined in the Clean Air Act, in § 63.2 (the General Provisions), and in this section as follows:

[Selected definitions are printed below. Refer to 40 CFR § 63.7575 for remaining definitions applicable to Part 63 Subpart DDDDD.]

Boiler means an enclosed device using controlled flame combustion and having the primary purpose of recovering thermal energy in the form of steam or hot water. Controlled flame combustion refers to a steady-state, or near steady-state, process wherein fuel and/or oxidizer feed rates are controlled. A device combusting solid waste, as defined in §241.3 of this chapter, is not a boiler unless the device is exempt from the definition of a solid waste incineration unit as provided in section 129(g)(1) of the Clean Air Act. Waste heat boilers are excluded from this definition.

Boiler system means the boiler and associated components, such as, the feed water system, the combustion air system, the fuel system (including burners), blowdown system, combustion control systems, steam systems, and condensate return systems.

Deviation.

(1) Deviation means any instance in which an affected source subject to this subpart, or an owner or operator of such a source:

(i) Fails to meet any applicable requirement or obligation established by this subpart including, but not limited to, any emission limit, operating limit, or work practice standard; or

(ii) Fails to meet any term or condition that is adopted to implement an applicable requirement in this subpart and that is included in the operating permit for any affected source required to obtain such a permit.

(2) A deviation is not always a violation.

Oxygen trim system means a system of monitors that is used to maintain excess air at the desired level in a combustion device over its operating load range. A typical system consists of a flue gas oxygen and/or CO monitor that automatically provides a feedback signal to the combustion air controller or draft controller.

Process heater means an enclosed device using controlled flame, and the unit's primary purpose is to transfer heat indirectly to a process material (liquid, gas, or solid) or to a heat transfer material (e.g., glycol or a mixture of glycol and water) for use in a process unit, instead of generating steam. Process heaters are devices in which the combustion gases do not come into direct contact with process materials. A device combusting solid waste, as defined in §241.3 of this chapter, is not a process heater unless the device is exempt from the definition of a solid waste incineration unit as provided in section 129(g)(1) of the Clean Air Act. Process heaters do not include units used for comfort heat or space heat, food preparation for on-site consumption, or autoclaves. Waste heat process heaters are excluded from this definition.

Shutdown means the period in which cessation of operation of a boiler or process heater is initiated for any purpose. Shutdown begins when the boiler or process heater no longer supplies useful thermal energy (such as heat or steam) for heating, cooling, or process purposes and/or generates electricity or when no fuel is being fed to the boiler or process heater, whichever is earlier. Shutdown ends when the boiler or process heater no longer supplies useful thermal energy (such as steam or heat) for heating, cooling, or process purposes and/or generates electricity, and no fuel is being combusted in the boiler or process heater.

Startup means:

(1) Either the first-ever firing of fuel in a boiler or process heater for the purpose of supplying useful thermal energy for heating and/or producing electricity, or for any other purpose, or the firing of fuel in a boiler after a shutdown event for any purpose. Startup ends when any of the useful thermal energy from the boiler or process heater is supplied for heating, and/or producing electricity, or for any other purpose, or

SECTION E. Source Group Restrictions.

(2) The period in which operation of a boiler or process heater is initiated for any purpose. Startup begins with either the first-ever firing of fuel in a boiler or process heater for the purpose of supplying useful thermal energy (such as steam or heat) for heating, cooling or process purposes, or producing electricity, or the firing of fuel in a boiler or process heater for any purpose after a shutdown event. Startup ends four hours after when the boiler or process heater supplies useful thermal energy (such as heat or steam) for heating, cooling, or process purposes, or generates electricity, whichever is earlier.

Tune-up means adjustments made to a boiler or process heater in accordance with the procedures outlined in §63.7540(a)(10).

Unit designed to burn gas 1 subcategory includes any boiler or process heater that burns only natural gas, refinery gas, and/or other gas 1 fuels. Gaseous fuel boilers and process heaters that burn liquid fuel for periodic testing of liquid fuel, maintenance, or operator training, not to exceed a combined total of 48 hours during any calendar year, are included in this definition. Gaseous fuel boilers and process heaters that burn liquid fuel during periods of gas curtailment or gas supply interruptions of any duration are also included in this definition.

[78 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013; 80 FR 72817, Nov. 20, 2015]

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

SECTION E. Source Group Restrictions.

Group Name: 04 - SURFACE COATING WITH PM CONTROL

Group Description: Surface coating in paint booths for PM control or with use of water curtain

Sources included in this group

ID	Name
140	CAB PREP AND PAINTING (7-G-25)
315	LOCO PLATFORM PAINT BOOTH (9D)
345	BUILDING 10 PAINT BOOTHS
368	PAINT BOOTH (18-A-35)
369	PAINT BOOTH BAY (18-B-36)
603	PAINT BOOTH (2-C-36)
671	PAINT BOOTH (6-A-31)
672	PAINT BOOTH (BLDG 6 BAY C COLUMN 27)
673	PAINT BOOTH (6-B-31)
980	BUILDING 6 PAINT BOOTH (BAY C - COLUMNS 12 & 13)
982	WET PAINT BOOTH (BDLG 7)

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 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).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[This condition applies to Sources 672, 980, & 982.]

The permittee shall maintain a manometer or similar device to measure the pressure drop across the control device.

[Compliance with this operating permit condition for all sources of this source group assures compliance with the following plan approval requirements.

- Plan Approval 25-025R, Section D, Source 672, Condition #009(b);
- Plan Approval 25-025S, Section D, Source 980, Condition #010(b);
- Plan Approval 25-025V, Section D, Source 982, Condition #003(b).]

 # 003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[This condition applies to all source of this source group except Source ID's 672, 980, & 982.]

The permittee shall maintain a manometer or similar device to measure the pressure drop across the control device unless the filters are on a regular replacement schedule as stated under the source requirements.

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain a record of all scheduled preventative maintenance inspections of the control device. These records shall, at a minimum, contain the dates of the inspections, any problems or defects, the actions taken to correct the problem or defects, and any routine maintenance performed.

SECTION E. Source Group Restrictions.

[Compliance with this operating permit condition for all sources of this source group assures compliance with the following plan approval requirements.
- Plan Approval 25-025R, Section D, Source 672, Condition #004(b);
- Plan Approval 25-025S, Section D, Source 980, Condition #005(b);
- Plan Approval 25-025V, Section D, Source 982, Condition #002(a).]

 # 005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain a record of the following parameter from the operational inspections:
- Pressure drop across the control device.

[Compliance with this operating permit condition for all sources of this source group assures compliance with the following plan approval requirements.
- Plan Approval 25-025R, Section D, Source 672, Condition #004(c);
- Plan Approval 25-025S, Section D, Source 980, Condition #005(c);
- Plan Approval 25-025V, Section D, Source 982, Condition #002(b).]

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.

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate the control device at all times that the source is in operation.

[Compliance with this operating permit condition for all sources of this source group assures compliance with the following plan approval requirements.
- Plan Approval 25-025R, Section D, Source 672, Condition #009(c);
- Plan Approval 25-025S, Section D, Source 980, Condition #010(c);
- Plan Approval 25-025V, Section D, Source 982, Condition #003(c).]

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain and operate the source and control device in accordance with the manufacturer's specifications, in accordance with good air pollution control practices, or in accordance with good engineering practices.

[Compliance with this operating permit condition for all sources of this source group assures compliance with the following plan approval requirements.
- Plan Approval 25-025R, Section D, Source 672, Condition #009(d);
- Plan Approval 25-025S, Section D, Source 980, Condition #010(d);
- Plan Approval 25-025V, Section D, Source 982, Condition #003(d).]

 # 008 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall perform a weekly operational inspection of the control device.

[Compliance with this operating permit condition for all sources of this source group assures compliance with the following plan approval requirements.
- Plan Approval 25-025R, Section D, Source 672, Condition #009(a);
- Plan Approval 25-025S, Section D, Source 980, Condition #010(a);
- Plan Approval 25-025V, Section D, Source 982, Condition #003(a).]

VII. ADDITIONAL REQUIREMENTS.

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

SECTION E. Source Group Restrictions.

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

SECTION E. Source Group Restrictions.

Group Name: 05 - SURFACE COATING WITHOUT CONTROL

Group Description: Surface coating with no PM control

Sources included in this group

ID	Name
177	VPI OPERATIONS (6-B-7 & 6-C-7)
178	VPI OPERATIONS (6-C-19)
181	VARNISH DIP & CURING (6-ANNEX-A-7)
182	VARNISH APPLICATION SYSTEMS (6-A-15; 6-D-13)(MOBILE)
634	VPI OPERATIONS (6-A-A20 LT)
981	ELECTRO-COAT DIP PAINTING (BDLG 7)
983	HAND APPLICATION OF COATINGS

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 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).

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The source shall be maintained and operated in accordance with the manufacturer's specifications, in accordance with good air pollution control practices, or in accordance with good engineering practices.

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: 06 - ALL SURFACE COATING

Group Description: 25 Pa. Code § 129.52d

Sources included in this group

ID	Name
140	CAB PREP AND PAINTING (7-G-25)
177	VPI OPERATIONS (6-B-7 & 6-C-7)
178	VPI OPERATIONS (6-C-19)
181	VARNISH DIP & CURING (6-ANNEX-A-7)
182	VARNISH APPLICATION SYSTEMS (6-A-15; 6-D-13)(MOBILE)
315	LOCO PLATFORM PAINT BOOTH (9D)
345	BUILDING 10 PAINT BOOTHS
368	PAINT BOOTH (18-A-35)
369	PAINT BOOTH BAY (18-B-36)
603	PAINT BOOTH (2-C-36)
634	VPI OPERATIONS (6-A-A20 LT)
671	PAINT BOOTH (6-A-31)
672	PAINT BOOTH (BLDG 6 BAY C COLUMN 27)
673	PAINT BOOTH (6-B-31)
980	BUILDING 6 PAINT BOOTH (BAY C - COLUMNS 12 & 13)
981	ELECTRO-COAT DIP PAINTING (BDLG 7)
982	WET PAINT BOOTH (BDLG 7)
983	HAND APPLICATION OF COATINGS

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §129.52d]

Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surfa

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		Baked	
	kg VOC/ liter coating	lb VOC/ gal coating	kg VOC/ liter coating	lb VOC/ gal coating
General One-component	0.34	2.8	0.28	2.3
General Multicomponent	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 Multicomponent	0.42	3.5	0.28	2.3
Prefabricated Architectural One-component	0.42	3.5	0.28	2.3

SECTION E. Source Group Restrictions.

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

[Source: The provisions of this § 129.52d adopted October 21, 2016, effective October 22, 2016, 46 Pa.B. 6758.]

 # 002 [25 Pa. Code §129.52d]

Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surf

(a) Applicability.

(1) This section 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) This section applies, as specified, 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 below 2.7 tons per 12-month rolling period, before consideration of controls.

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

(4) [Paragraph (a)(4) is not applicable to this facility.]

(5) This section 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 subsections (e) and (f).
(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) [Refer to ADDITIONAL REQUIREMENTS in this section of permit for the definitions of paragraph (b) of the regulation.]

(c) Existing RACT permit. The requirements of this section supersede the requirements of a RACT permit issued under § § 129.91 - 129.95 (relating to stationary sources of NOx and VOCs) to the owner or operator of a source subject to subsection (a) prior to January 1, 2017, to control, reduce or minimize VOCs from a miscellaneous metal part or miscellaneous plastic

SECTION E. Source Group Restrictions.

part surface coating process, except to the extent the RACT permit contains more stringent requirements.

(d) Emission limitations. Beginning January 1, 2017, a person subject to subsection (a)(1) 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 paragraph (1), (2) or (3).

(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 - V. [Note: Table I is applicable to sources at this facility and is printed in this permit; Tables II - V are not applicable.]

(2) [Paragraph (d)(2) is not applicable to this facility.]

(3) [Paragraph (d)(3) is not applicable to this facility.]

(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 multicomponent coating. The corresponding general one component coating or general multicomponent coating limit applies. [Note, only Table I applies to this facility; Tables II, VI, and VII do not apply.]

(6) [Paragraph (d)(6) is not applicable to this facility.]

(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 subsection (a)(1) or (2), shall comply with this section as specified throughout this section. For an owner or operator subject only to subsection (a)(2), the compliance requirements are the recordkeeping requirements in subsection (f)(2).

(2) [Paragraph (e)(2) is not applicable to this facility.]

(f) [Paragraph (f) is printed under RECORDKEEPING REQUIREMENTS in this section of permit.]

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

(1) Electrostatic coating.
(2) Flow coating.
(3) Dip coating, including electrodeposition.
(4) Roll coating.
(5) High volume-low pressure (HVLP) spray coating.
(6) Airless spray coating.
(7) Air-assisted airless spray coating.
(8) Other coating application method if approved in writing by the Department prior to use.
(i) The coating application method must be capable of achieving a transfer efficiency equivalent to or better than that achieved by HVLP spray coating.
(ii) The owner or operator shall submit the request for approval to the Department in writing.

(h) Exempt coatings and exempt coating unit operations.

(1) The requirements of subsections (d) and (g) do not apply to the application of the following coatings to a metal part:

SECTION E. Source Group Restrictions.

(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) [Paragraph (h)(2) is not applicable to this facility.]

(3) [Paragraph (h)(3) is not applicable to this facility.]

(4) The requirements of subsection (g) do not apply to the following activities:

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

(ii) Application of a powder coating to the following:

(A) Plastic part.
(B) Automotive-transportation plastic part.
(C) 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) Use of an add-on air pollution control device to comply with subsection (d).

(v) Application of extreme high-gloss coating in a pleasure craft surface coating operation.

(i) [Paragraph (i) is printed under WORK PRACTICE REQUIREMENTS in this section of permit.]

(j) [Paragraph (j) is printed under WORK PRACTICE REQUIREMENTS in this section of permit.]

(k) [Paragraph (k) is printed under RECORDKEEPING REQUIREMENTS in this section of permit.]

[Source: The provisions of this § 129.52d adopted October 21, 2016, effective October 22, 2016, 46 Pa.B. 6758.]

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 §127.441]

Operating permit terms and conditions.

The permittee shall maintain a record of certification of the VOC content of each coating used. A certification will be required when there is a new supplier, a reformulation of an existing coating, or the addition of a new coating not previously certified.

SECTION E. Source Group Restrictions.

The certification must demonstrate that the VOC content was determined in accordance with 40 CFR 60, Appendix A - Reference Method 24.

[Compliance with this operating permit condition for all sources of this source group assures compliance with the following plan approval requirements.
- Plan Approval 25-025R, Section D, Source 672, Condition #004(a);
- Plan Approval 25-025S, Section D, Source 980, Condition #005(a)
- Plan Approval 25-025V, Section D, Source 982, Condition #002(a).]

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Records maintained to demonstrate compliance with 25 Pa. Code §§ 129.52 and 129.52d shall be maintained for 5 years.

[Compliance with this operating permit condition assures compliance with 25 Pa. §§ Code 129.52(g) and 129.52d(f)(3). And compliance with this operating permit condition for all sources of this source group also assures compliance with the following plan approval requirements.
- Plan Approval 25-025V, Section D, Source 982, Condition #002(a).]

 # 005 [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.

[From § 129.52d(k). Refer to Emission Restrictions in this section of permit for remaining paragraphs of § 129.52d.]

(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 demonstrated to provide results that are acceptable for purposes of determining compliance with this section if prior approval is obtained in writing from the Department.

(5) Add-on air pollution control devices shall be equipped with the applicable monitoring equipment according to manufacturers' specifications. The monitoring equipment shall be installed, calibrated, operated and maintained according to manufacturers' specifications at all times the add-on air pollution control device is in use.

(6) EPA calculations information in the following:

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

(ii) Procedures for Certifying Quantity of Volatile Organic Compounds Emitted by Paint, Ink, and Other Coatings, EPA-450/3-84-019, including updates and revisions.

[Source: The provisions of this § 129.52d adopted October 21, 2016, effective October 22, 2016, 46 Pa.B. 6758.]

 # 006 [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.

[From § 129.52d(f). Refer to Emission Restrictions in this section of permit for remaining paragraphs of § 129.52d.]

(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,

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subject to subsection (a)(1) shall maintain monthly records sufficient to demonstrate compliance with this section. The records must include the following information:

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

(A) Name and identification number of the coating, thinner, other component or cleaning solvent.
(B) Volume used.
(C) Mix ratio.
(D) Density or specific gravity.
(E) Weight percent of total volatiles, water, solids and exempt solvents.
(F) Volume percent of total volatiles, water and exempt solvents for the applicable table of limits in Tables I—V.
(G) [Paragraph (G) is not applicable to this facility because Tables VI - IX are not applicable to this facility.]

(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 subsections (d) and (e).

(v) [Not applicable]

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

(3) [This paragraph of the regulation is streamlined out of the operating permit in favor of the more restriction § 127.441 condition requiring that records be maintained for 5 years.]

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

[Source: The provisions of this § 129.52d adopted October 21, 2016, effective October 22, 2016, 46 Pa.B. 6758.]

[Compliance with this condition for all sources of this source group assures compliance with Plan Approval 25-025R, Section D, Source 672, Condition #004(d) and assures compliance with Plan Approval 25-025S, Section D, Source 980 .]

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.

 # 007 [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.

[From § 129.52d(i) & (j). Refer to Emission Restrictions in this section of permit for remaining paragraphs of § 129.52d.]

(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 subsection (a)(1) shall comply with the following work practices for coating-related activities:

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

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

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

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immediately.

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

(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 subsection (a)(1) 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.

[Source: The provisions of this § 129.52d adopted October 21, 2016, effective October 22, 2016, 46 Pa.B. 6758.]

VII. ADDITIONAL REQUIREMENTS.

 # 008 [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.

[Selected definitions from 25 Pa. Code § 129.52d(b) are printed below. Refer to regulation for remaining definitions.]

(b) Definitions. The following words and terms, when used in this section, have the following meanings unless the context clearly indicates otherwise:

Adhesion primer — A coating applied to a polyolefin part to promote the adhesion of a subsequent coating. This type of coating is clearly identified on its accompanying MSDS by this term or as an adhesion promoter.

Air-dried coating — A coating that is cured or dried at a temperature below 90°C (194°F).

Baked coating — A coating cured at a temperature at or above 90°C (194°F).

Cleaning material or cleaning solvent — A material used during cleaning activities or cleaning operations to remove residue or other unwanted materials from equipment.

Clear coating —

(i) A colorless coating that contains binders, but no pigment, and is formulated to form a transparent film.

(ii) The term includes a transparent coating that uses the undercoat as a reflectant base or undertone color.

Coating —

(i) A material applied onto or into a substrate for protective, decorative or functional purposes.

(ii) The term includes paints, sealants, caulks, primers, inks and maskants.

(iii) The term does not include protective oils, acids or bases, or combinations of these materials.

Coating unit — A series of one or more coating applicators and associated drying area or oven or both wherein a coating is applied and dried or cured, or both. The unit ends at the point where the coating is dried or cured, or prior to subsequent

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application of a different coating.

Drum — A cylindrical metal shipping container larger than 12 gallons capacity but not larger than 110 gallons capacity.

EMI/RFI shielding coating — A coating used on electrical or electronic equipment to provide shielding against electromagnetic interference, radio frequency interference or static discharge.

Electric dissipating coating — A coating that rapidly dissipates a high voltage electric charge.

Electric-insulating varnish — A non-convertible-type coating applied to electric motors, components of electric motors or power transformers to provide electrical, mechanical or environmental protection or resistance

Extreme high-gloss coating — A coating that achieves the following:

(i) For miscellaneous metal part surface coatings or miscellaneous plastic part surface coatings, other than pleasure craft surface coatings, a coating when tested by the American Society for Testing Material Test Method D-523-08 shows a reflectance of at least 75% on a 60° meter.

(ii) [Non-applicable; this facility does not apply coatings to pleasure crafts.]

Extreme-performance coating —

(i) A coating used on a metal or plastic surface where the coated surface is, in its intended use, subject to one or more of the following:

(A) Chronic exposure to corrosive, caustic or acidic agents, chemicals, chemical fumes, chemical mixtures or solutions.

(B) Repeated exposure to temperatures in excess of 250°F.

(C) Repeated heavy abrasion, including mechanical wear and repeated scrubbing with industrial grade solvents, cleansers or scouring agents.

(ii) The term includes coatings applied to locomotives, railroad cars, farm machinery and heavy duty trucks.

Finish primer/surfacer — A coating applied with a wet film thickness of less than 10 mils prior to the application of a topcoat for purposes of providing corrosion resistance, adhesion of subsequent coatings, a moisture barrier or promotion of a uniform surface necessary for filling in surface imperfections.

Heat-resistant coating — A coating that must withstand a temperature of at least 400°F during normal use.

Heavier vehicle — A self-propelled vehicle designed for transporting persons or property on a street or highway that has a gross vehicle weight rating over 8,500 pounds.

High bake coating — A coating designed to cure only at temperatures of more than 90°C (194°F).

High build primer/surfacer — A coating applied with a wet film thickness of 10 mils or more prior to the application of a topcoat for purposes of providing corrosion resistance, adhesion of subsequent coatings, a moisture barrier or promotion of a uniform surface necessary for filling in surface imperfections.

Mask coating — A thin film coating applied through a template to coat a small portion of a substrate.

Miscellaneous metal parts and miscellaneous plastic parts — Metal or plastic components of parts or products, as well as the parts or products themselves, constructed either entirely or partially from metal or plastic, or both, including the following:

(i) Fabricated metal products.

(ii) Molded plastic parts.

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(iii) Farm machinery.
(iv) Commercial and industrial machinery and equipment.
(v) Automotive or transportation equipment.
(vi) Interior or exterior automotive parts.
(vii) Construction equipment.
(viii) Motor vehicle accessories.
(ix) Bicycles and sporting goods.
(x) Toys.
(xi) Recreational vehicles.
(xii) Watercraft.
(xiii) Extruded aluminum structural components.
(xiv) Railroad cars.
(xv) Heavier vehicles.
(xvi) Lawn and garden equipment.
(xvii) Business machines.
(xviii) Laboratory and medical equipment.
(xix) Electronic equipment.
(xx) Steel drums.
(xxi) Metal pipes.

Multicomponent coating — A coating requiring the addition of a separate reactive resin, commonly known as a catalyst or hardener, before application to the substrate to form an acceptable dry film.

One-component coating — A coating that is ready for application as it comes out of its container to form an acceptable dry film. A thinner may be added to reduce the viscosity, but is not considered a component.

Pretreatment coating — A coating that contains no more than 12% solids by weight and at least 0.5% acid by weight that is used to provide surface etching and that is applied directly to metal surfaces to provide corrosion resistance, adhesion and ease of stripping.

Pretreatment wash primer — A coating that contains no more than 12% solids by weight and at least 0.5% acid by weight that is used to provide surface etching and that is applied directly to fiberglass and metal surfaces to provide corrosion resistance and adhesion of subsequent coatings.

Repair coating — A coating used to recoat portions of a previously coated product that has sustained mechanical damage to the coating following normal coating operations.

Topcoat — A final coating applied in a surface coating process that applies two or more coatings.

[Source: The provisions of this § 129.52d adopted October 21, 2016, effective October 22, 2016, 46 Pa.B. 6758.]

 # 009 [25 Pa. Code §129.96]

Applicability

ADDITIONAL RACT REQUIREMENTS FOR MAJOR SOURCES OF NOx AND VOCs

[Derived from § 129.96(a)]

The VOC requirements of this section and § § 129.97 - 129.100 apply Statewide to the owner and operator of a major VOC emitting facility that were in existence on or before July 20, 2012, for which a requirement or emission limitation, or both, has not been established in § § 129.51 - 129.52c.

[The emission limits of § 129.52 do apply to this facility. However, this facility is also subject to requirements and emission limitation established in 129.52d. Since, as indicated in § 129.52d(a)(3), compliance with § 129.52d assures compliance with § 129.52, the sources of this source group are not subject to the provisions of RACT II as indicated in this condition.]

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

SECTION E. Source Group Restrictions.

Group Name: 07 - NESHAP FOR SURFACE COATING

Group Description: 40 CFR Part 63 Subpart MMMM (Surface Coating of Miscellaneous Metal Parts & Products)

Sources included in this group

ID	Name
140	CAB PREP AND PAINTING (7-G-25)
177	VPI OPERATIONS (6-B-7 & 6-C-7)
178	VPI OPERATIONS (6-C-19)
181	VARNISH DIP & CURING (6-ANNEX-A-7)
182	VARNISH APPLICATION SYSTEMS (6-A-15; 6-D-13)(MOBILE)
315	LOCO PLATFORM PAINT BOOTH (9D)
345	BUILDING 10 PAINT BOOTHS
368	PAINT BOOTH (18-A-35)
369	PAINT BOOTH BAY (18-B-36)
603	PAINT BOOTH (2-C-36)
634	VPI OPERATIONS (6-A-A20 LT)
671	PAINT BOOTH (6-A-31)
672	PAINT BOOTH (BLDG 6 BAY C COLUMN 27)
673	PAINT BOOTH (6-B-31)
980	BUILDING 6 PAINT BOOTH (BAY C - COLUMNS 12 & 13)
981	ELECTRO-COAT DIP PAINTING (BDLG 7)
982	WET PAINT BOOTH (BDLG 7)
983	HAND APPLICATION OF COATINGS

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.3890]

Subpart MMMM - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products

What emission limits must I meet?

(a) [Not applicable.]

(b) For an existing affected source, you must limit organic HAP emissions to the atmosphere from the affected source to the applicable limit specified in paragraphs (b)(1) through (5) of this section, except as specified in paragraph (c) of this section, determined according to the requirements in §63.3941, §63.3951, or §63.3961.

(1) For each existing general use coating affected source, limit organic HAP emissions to no more than 0.31 kg (2.6 lb) organic HAP per liter (gal) coating solids used during each 12-month compliance period.

(2) - (5) [Not applicable.]

(c) [Not applicable.]

[Source: 69 FR 157, Jan. 2, 2004]

II. TESTING REQUIREMENTS.

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

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).

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.3891]

Subpart MMMM - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products

What are my options for meeting the emission limits?

You must include all coatings (as defined in §63.3981), thinners and/or other additives, and cleaning materials used in the affected source when determining whether the organic HAP emission rate is equal to or less than the applicable emission limit in §63.3890. To make this determination, you must use at least one of the three compliance options listed in paragraphs (a) through (c) of this section. You may apply any of the compliance options to an individual coating operation, or to multiple coating operations as a group, or to the entire affected source. You may use different compliance options for different coating operations, or at different times on the same coating operation. You may employ different compliance options when different coatings are applied to the same part, or when the same coating is applied to different parts. However, you may not use different compliance options at the same time on the same coating operation. If you switch between compliance options for any coating operation or group of coating operations, you must document this switch as required by §63.3930(c), and you must report it in the next semiannual compliance report required in §63.3920.

(a) [Not applicable.]

(b) Emission rate without add-on controls option. Demonstrate that, based on the coatings, thinners and/or other additives, and cleaning materials used in the coating operation(s), the organic HAP emission rate for the coating operation(s) is less than or equal to the applicable emission limit in §63.3890, calculated as a rolling 12-month emission rate and determined on a monthly basis. You must meet all the requirements of §§63.3950, 63.3951, and 63.3952 to demonstrate compliance with the emission limit using this option.

(c) [Not applicable]

[Source: 69 FR 157, Jan. 2, 2004]

 # 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.3930]

Subpart MMMM - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products

What records must I keep?

You must collect and keep records of the data and information specified in this section. Failure to collect and keep these records is a deviation from the applicable standard.

(a) A copy of each notification and report that you submitted to comply with this subpart, and the documentation supporting each notification and report. If you are using the predominant activity alternative under § 63.3890(c), you must keep records of the data and calculations used to determine the predominant activity. If you are using the facility-specific emission limit alternative under § 63.3890(c), you must keep records of the data used to calculate the facility-specific emission limit for the initial compliance demonstration. You must also keep records of any data used in each annual predominant activity determination and in the calculation of the facility-specific emission limit for each 12-month compliance period included in the semi-annual compliance reports.

(b) A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner and/or other additive, and cleaning material, and the volume fraction of coating solids for each coating. If you conducted testing to determine mass fraction of organic HAP, density, or volume fraction of coating solids, you must keep a copy of the complete test report. If you use information provided to you by the manufacturer or supplier of the material that was based on testing, you must keep the summary sheet of results provided to you by the manufacturer or supplier. You are not required to obtain the test report or other supporting documentation from the manufacturer or supplier.

(c) For each compliance period, the records specified in paragraphs (c)(1) through (4) of this section.

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(1) A record of the coating operations on which you used each compliance option and the time periods (beginning and ending dates and times) for each option you used.

(2) [Not applicable]

(3) For the emission rate without add-on controls option, a record of the calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equations 1, 1A through 1C, and 2 of § 63.3951; and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to § 63.3951(e)(4); the calculation of the total volume of coating solids used each month using Equation 2 of § 63.3951; and the calculation of each 12-month organic HAP emission rate using Equation 3 of § 63.3951.

(4) [Not applicable]

(d) A record of the name and volume of each coating, thinner and/or other additive, and cleaning material used during each compliance period. If you are using the compliant material option for all coatings at the source, you may maintain purchase records for each material used rather than a record of the volume used.

(e) A record of the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each compliance period unless the material is tracked by weight.

(f) A record of the volume fraction of coating solids for each coating used during each compliance period.

(g) If you use either the emission rate without add-on controls or the emission rate with add-on controls compliance option, the density for each coating, thinner and/or other additive, and cleaning material used during each compliance period.

(h) If you use an allowance in Equation 1 of § 63.3951 for organic HAP contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to § 63.3951(e)(4), you must keep records of the information specified in paragraphs (h)(1) through (3) of this section.

(1) The name and address of each TSDF to which you sent waste materials for which you use an allowance in Equation 1 of § 63.3951; a statement of which subparts under 40 CFR parts 262, 264, 265, and 266 apply to the facility; and the date of each shipment.

(2) Identification of the coating operations producing waste materials included in each shipment and the month or months in which you used the allowance for these materials in Equation 1 of § 63.3951.

(3) The methodology used in accordance with § 63.3951(e)(4) to determine the total amount of waste materials sent to or the amount collected, stored, and designated for transport to a TSDF each month; and the methodology to determine the mass of organic HAP contained in these waste materials. This must include the sources for all data used in the determination, methods used to generate the data, frequency of testing or monitoring, and supporting calculations and documentation, including the waste manifest for each shipment.

(i) [Reserved]

(j) Before January 5, 2021, you must keep records of the date, time, and duration of each deviation. On and after January 5, 2021, for each deviation from an emission limitation reported under § 63.3920(a)(5) through (7), a record of the information specified in paragraphs (j)(1) through (4) of this section, as applicable.

(1) The date, time, and duration of the deviation, as reported under § 63.3920(a)(5) through (7).

(2) A list of the affected sources or equipment for which the deviation occurred and the cause of the deviation, as reported under § 63.3920(a)(5) through (7).

(3) An estimate of the quantity of each regulated pollutant emitted over any applicable emission limit in § 63.3890 or any applicable operating limit in table 1 to this subpart, and a description of the method used to calculate the estimate, as reported under § 63.3920(a)(5) through (7).

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(4) A record of actions taken to minimize emissions in accordance with § 63.3900(b) and any corrective actions taken to return the affected unit to its normal or usual manner of operation.

(k) [Not applicable]

[69 FR 157, Jan. 2, 2004, as amended at 85 FR 41141, July 8, 2020]

 # 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.3931]

Subpart MMMM - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products

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

(a) Your records must be in a form suitable and readily available for expeditious review, according to § 63.10(b)(1). Where appropriate, the records may be maintained as electronic spreadsheets or as a database. On and after January 5, 2021, any records required to be maintained by this subpart that are in reports that were submitted electronically via the EPA's CEDRI may be maintained in electronic format. This ability to maintain electronic copies does not affect the requirement for facilities to make records, data, and reports available upon request to a delegated air agency or the EPA as part of an on-site compliance evaluation.

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

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

[69 FR 157, Jan. 2, 2004, as amended at 85 FR 41141, July 8, 2020]

 # 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.3952]

Subpart MMMM - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products

How do I demonstrate continuous compliance with the emission limitations?

(a) To demonstrate continuous compliance, the organic HAP emission rate for each compliance period, determined according to §63.3951(a) through (g), must be less than or equal to the applicable emission limit in §63.3890. A compliance period consists of 12 months. Each month after the end of the initial compliance period described in §63.3950 is the end of a compliance period consisting of that month and the preceding 11 months. You must perform the calculations in §63.3951(a) through (g) on a monthly basis using data from the previous 12 months of operation. [Non-applicable text referring to 'facility-specific emission limit under 63.3890(c)' is omitted from this paragraph.]

(b) - (c) [Paragraphs (b) & (c) of the regulation are printed under REPORTING REQUIREMENTS in this section of permit.]

(d) You must maintain records as specified in §§63.3930 and 63.3931.

[Source: 69 FR 157, Jan. 2, 2004]

V. REPORTING REQUIREMENTS.

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.3920]

Subpart MMMM - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products

What reports must I submit?

(a) Semiannual compliance reports. You must submit semiannual compliance reports for each affected source according to the requirements of paragraphs (a)(1) through (7) of this section. The semiannual compliance reporting requirements may be satisfied by reports required under other parts of the Clean Air Act (CAA), as specified in paragraph (a)(2) of this section.

(1) Dates. Unless the Administrator has approved or agreed to a different schedule for submission of reports under § 63.10(a), you must prepare and submit each semiannual compliance report according to the dates specified in paragraphs (a)(1)(i) through (iv) of this section. Note that the information reported for each of the months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.

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(i) The first semiannual compliance report must cover the first semiannual reporting period which begins the day after the end of the initial compliance period described in § 63.3940, § 63.3950, or § 63.3960 that applies to your affected source and ends on June 30 or December 31, whichever date is the first date following the end of the initial compliance period.

(ii) Each subsequent semiannual compliance report must cover the subsequent semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

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

(iv) For each affected source that is subject to permitting regulations pursuant to 40 CFR part 70 or 40 CFR part 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the date specified in paragraph (a)(1)(iii) of this section.

(2) Inclusion with title V report. Each affected source that has obtained a title V operating permit pursuant to 40 CFR part 70 or 40 CFR part 71 must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a semiannual compliance report pursuant to this section along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), and the semiannual compliance report includes all required information concerning deviations from any emission limitation in this subpart, its submission will be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a semiannual compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.

(3) General requirements. The semiannual compliance report must contain the information specified in paragraphs (a)(3)(i) through (vii) of this section, and the information specified in paragraphs (a)(4) through (7) and (c)(1) of this section that is applicable to your affected source.

(i) Company name and address.

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

(iii) Date of report and beginning and ending dates of the reporting period. The reporting period is the 6-month period ending on June 30 or December 31. Note that the information reported for each of the 6 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.

(iv) Identification of the compliance option or options specified in § 63.3891 that you used on each coating operation during the reporting period. If you switched between compliance options during the reporting period, you must report the beginning and ending dates for each option you used.

(v) If you used the emission rate without add-on controls or the emission rate with add-on controls compliance option (§ 63.3891(b) or (c)), the calculation results for each rolling 12-month organic HAP emission rate during the 6-month reporting period.

(vi) - (vii) [Not applicable.]

(4) No deviations. If there were no deviations from the emission limitations in §§ 63.3890, 63.3892, and 63.3893 that apply to you, the semiannual compliance report must include a statement that there were no deviations from the emission limitations during the reporting period. If you used the emission rate with add-on controls option and there were no periods during which the continuous parameter monitoring systems (CPMS) were out-of-control as specified in § 63.8(c)(7), the semiannual compliance report must include a statement that there were no periods during which the CPMS were out-of-control during the reporting period.

(5) Deviations: Compliant material option. [Not applicable.]

SECTION E. Source Group Restrictions.

(6) Deviations: Emission rate without add-on controls option. If you used the emission rate without add-on controls option and there was a deviation from the applicable emission limit in § 63.3890, the semiannual compliance report must contain the information in paragraphs (a)(6)(i) through (iv) of this section.

(i) The beginning and ending dates of each compliance period during which the 12-month organic HAP emission rate exceeded the applicable emission limit in § 63.3890.

(ii) The calculations used to determine the 12-month organic HAP emission rate for the compliance period in which the deviation occurred. You must submit the calculations for Equations 1, 1A through 1C, 2, and 3 of § 63.3951; and if applicable, the calculation used to determine mass of organic HAP in waste materials according to § 63.3951(e)(4). You do not need to submit background data supporting these calculations (e.g., information provided by materials suppliers or manufacturers, or test reports).

(iii) Before January 5, 2021, a statement of the cause of each deviation. On and after January 5, 2021, a statement of the cause of each deviation (including unknown cause, if applicable).

(iv) On and after January 5, 2021, the number of deviations and, for each deviation, the date, time, duration, a list of the affected source or equipment, an estimate of the quantity of each regulated pollutant emitted over any applicable emission limit in § 63.3890, a description of the method used to estimate the emissions, and the actions you took to minimize emissions in accordance with § 63.3900(b).

(7) Deviations: Emission rate with add-on controls option. [Not applicable.]

(b) Performance test reports. [Not applicable]

(c) SSM reports. [Not applicable]

(d) Performance test reports. [Not applicable]

(e) Initial notification reports. [Not applicable]

(f) Semiannual compliance reports. On and after January 5, 2021, or once the reporting template has been available on the CEDRI website for 1 year, whichever date is later, the owner or operator shall submit the semiannual compliance report required in paragraph (a) of this section to the EPA via the CEDRI. The CEDRI interface can be accessed through the EPA's CDX (https://cdx.epa.gov/). The owner or operator must use the appropriate electronic template on the CEDRI website for this subpart or an alternate electronic file format consistent with the XML schema listed on the CEDRI website (https://www.epa.gov/electronic-reporting-air-emissions/compliance-and-emissions-data-reporting-interface-cedri). The date report templates become available will be listed on the CEDRI website. If the reporting form for the semiannual compliance report specific to this subpart is not available in CEDRI at the time that the report is due, you must submit the report to the Administrator at the appropriate addresses listed in § 63.13. Once the form has been available in CEDRI for 1 year, you must begin submitting all subsequent reports via CEDRI. The reports must be submitted by the deadlines specified in this subpart, regardless of the method in which the reports are submitted. Owners or operators who claim that some of the information required to be submitted via CEDRI is CBI shall submit a complete report generated using the appropriate form in CEDRI or an alternate electronic file consistent with the XML schema listed on the EPA's CEDRI website, including information claimed to be CBI, on a compact disc, flash drive, or other commonly used electronic storage medium to the EPA. The electronic medium shall be clearly marked as CBI and mailed to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted shall be submitted to the EPA via the EPA's CDX as described earlier in this paragraph.

(g) Reporting during EPA system outages. If you are required to electronically submit a report through the CEDRI in the EPA's CDX, and due to a planned or actual outage of either the EPA's CEDRI or CDX systems within the period of time beginning 5 business days prior to the date that the submission is due, you will be or are precluded from accessing CEDRI or CDX and submitting a required report within the time prescribed, you may assert a claim of the EPA system outage for failure to timely comply with the reporting requirement. You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or caused a delay in reporting. You must provide to the Administrator a written description identifying the date, time, and length of the outage; a rationale for attributing the delay in reporting beyond the regulatory deadline to the EPA system outage;

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describe the measures taken or to be taken to minimize the delay in reporting; and identify a date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported. In any circumstance, the report must be submitted electronically as soon as possible after the outage is resolved. The decision to accept the claim of the EPA system outage and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

(h) Reporting during force majeure events. If you are required to electronically submit a report through CEDRI in the EPA's CDX and a force majeure event is about to occur, occurs, or has occurred or there are lingering effects from such an event within the period of time beginning 5 business days prior to the date the submission is due, the owner or operator may assert a claim of force majeure for failure to timely comply with the reporting requirement. For the purposes of this section, a force majeure event is defined as an event that will be or has been caused by circumstances beyond the control of the affected facility, its contractors, or any entity controlled by the affected facility that prevents you from complying with the requirement to submit a report electronically within the time period prescribed. Examples of such events are acts of nature (e.g., hurricanes, earthquakes, or floods), acts of war or terrorism, or equipment failure or safety hazard beyond the control of the affected facility (e.g., large scale power outage). If you intend to assert a claim of force majeure, you must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or caused a delay in reporting. You must provide to the Administrator a written description of the force majeure event and a rationale for attributing the delay in reporting beyond the regulatory deadline to the force majeure event; describe the measures taken or to be taken to minimize the delay in reporting; and identify a date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported. In any circumstance, the reporting must occur as soon as possible after the force majeure event occurs. The decision to accept the claim of force majeure and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

[69 FR 157, Jan. 2, 2004, as amended at 85 FR 41138, July 8, 2020]

 # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.3952]

Subpart MMMM - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products

How do I demonstrate continuous compliance with the emission limitations?

(a) [Paragraph (a) of the regulation is printed under RECORDKEEPING REQUIREMENTS in this section of permit.]

(b) If the organic HAP emission rate for any 12-month compliance period exceeded the applicable emission limit in §63.3890, this is a deviation from the emission limitation for that compliance period and must be reported as specified in §§63.3910(c)(6) and 63.3920(a)(6).

(c) As part of each semiannual compliance report required by §63.3920, you must identify the coating operation(s) for which you used the emission rate without add-on controls option. If there were no deviations from the emission limitations, you must submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the reporting period because the organic HAP emission rate for each compliance period was less than or equal to the applicable emission limit in §63.3890, determined according to §63.3951(a) through (g).

(d) [Paragraph (d) of the regulation is printed under RECORDKEEPING REQUIREMENTS in this section of permit.]

[Source: 69 FR 157, Jan. 2, 2004]

VI. WORK PRACTICE REQUIREMENTS.

 # 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.3900]

Subpart MMMM - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products

What are my general requirements for complying with this subpart?

(a) You must be in compliance with the emission limitations in this subpart as specified in paragraphs (a)(1) and (2) of this section.

(1) Any coating operation(s) for which you use the compliant material option or the emission rate without add-on controls option, as specified in § 63.3891(a) and (b), must be in compliance with the applicable emission limit in § 63.3890 at all times.

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(2) [Not applicable]

(b) Before January 5, 2021, you must always operate and maintain your affected source, including all air pollution control and monitoring equipment you use for purposes of complying with this subpart, according to the provisions in § 63.6(e)(1)(i). On and after January 5, 2021, at all times, the owner or operator must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the owner or operator to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether a source is operating in compliance with operation and maintenance requirements will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the affected source.

(c) [Not applicable]

[69 FR 157, Jan. 2, 2004, as amended at 71 FR 20465, Apr. 20, 2006; 85 FR 41138, July 8, 2020]

 # 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.3951]

Subpart MMMM - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products

How do I demonstrate initial compliance with the emission limitations?

You may use the emission rate without add-on controls option for any individual coating operation, for any group of coating operations in the affected source, or for all the coating operations in the affected source. You must use either the compliant material option or the emission rate with add-on controls option for any coating operation in the affected source for which you do not use this option. To demonstrate initial compliance using the emission rate without add-on controls option, the coating operation or group of coating operations must meet the applicable emission limit in § 63.3890, but is not required to meet the operating limits or work practice standards in §§ 63.3892 and 63.3893, respectively. You must conduct a separate initial compliance demonstration for each general use, magnet wire, rubber-to-metal, and extreme performance fluoropolymer coating operation unless you are demonstrating compliance with a predominant activity or facility-specific emission limit as provided in § 63.3890(c). If you are demonstrating compliance with a predominant activity or facility-specific emission limit as provided in § 63.3890(c), you must demonstrate that all coating operations included in the predominant activity determination or calculation of the facility-specific emission limit comply with that limit. You must meet all the requirements of this section. When calculating the organic HAP emission rate according to this section, do not include any coatings, thinners and/or other additives, or cleaning materials used on coating operations for which you use the compliant material option or the emission rate with add-on controls option. You do not need to redetermine the mass of organic HAP in coatings, thinners and/or other additives, or cleaning materials that have been reclaimed on-site (or reclaimed off-site if you have documentation showing that you received back the exact same materials that were sent off-site) and reused in the coating operation for which you use the emission rate without add-on controls option. If you use coatings, thinners and/or other additives, or cleaning materials that have been reclaimed on-site, the amount of each used in a month may be reduced by the amount of each that is reclaimed. That is, the amount used may be calculated as the amount consumed to account for materials that are reclaimed.

(a) Determine the mass fraction of organic HAP for each material. Determine the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each month according to the requirements in § 63.3941(a).

(b) Determine the volume fraction of coating solids. Determine the volume fraction of coating solids (liter (gal) of coating solids per liter (gal) of coating) for each coating used during each month according to the requirements in § 63.3941(b).

(c) Determine the density of each material. Determine the density of each liquid coating, thinner and/or other additive, and cleaning material used during each month from test results using ASTM D1475-13 or ASTM D2111-10 (Reapproved 2015) (both incorporated by reference, see § 63.14), information from the supplier or manufacturer of the material, or reference sources providing density or specific gravity data for pure materials. If you are including powder coatings in the compliance determination, determine the density of powder coatings, using ASTM D5965-02 (Reapproved 2013) (incorporated by reference, see § 63.14), or information from the supplier. If there is disagreement between ASTM D1475-13 or ASTM D2111-10 (Reapproved 2015) test results and other such information sources, the test results will take precedence unless, after consultation you demonstrate to the satisfaction of the enforcement agency that the formulation data are correct. If you

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purchase materials or monitor consumption by weight instead of volume, you do not need to determine material density. Instead, you may use the material weight in place of the combined terms for density and volume in Equations 1A, 1B, 1C, and 2 of this section.

(d) Determine the volume of each material used. Determine the volume (liters) of each coating, thinner and/or other additive, and cleaning material used during each month by measurement or usage records. If you purchase materials or monitor consumption by weight instead of volume, you do not need to determine the volume of each material used. Instead, you may use the material weight in place of the combined terms for density and volume in Equations 1A, 1B, and 1C of this section.

(e) Calculate the mass of organic HAP emissions. The mass of organic HAP emissions is the combined mass of organic HAP contained in all coatings, thinners and/or other additives, and cleaning materials used during each month minus the organic HAP in certain waste materials. Calculate the mass of organic HAP emissions using Equation 1 of this section.

Refer to regulation for formula of Eq. 1. A copy is available at this web address https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-MMMM/subject-group-ECFR46c855102249155/section-63.3951

Where:

He = Total mass of organic HAP emissions during the month, kg.

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

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

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

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

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

Refer to regulation for formula of Eq. 1A. A copy is available at this web address https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-MMMM/subject-group-ECFR46c855102249155/section-63.3951

Where:

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

Volc,i = Total volume of coating, i, used during the month, liters.

Dc,i = Density of coating, i, kg coating per liter coating.

Wc,i = Mass fraction of organic HAP in coating, i, kg organic HAP per kg coating. For reactive adhesives as defined in § 63.3981, use the mass fraction of organic HAP that is emitted as determined using the method in appendix A to subpart PPPP of this part.

m = Number of different coatings used during the month.

(2) Calculate the kg of organic HAP in the thinners and/or other additives used during the month using Equation 1B of this section:

Refer to regulation for formula of Eq. 1B. A copy is available at this web address https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-MMMM/subject-group-ECFR46c855102249155/section-63.3951

Where:

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

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Volt,j = Total volume of thinner and/or other additive, j, used during the month, liters.
Dt,j = Density of thinner and/or other additive, j, kg per liter.
Wt,j = Mass fraction of organic HAP in thinner and/or other additive, j, kg organic HAP per kg thinner and/or other additive. For reactive adhesives as defined in § 63.3981, use the mass fraction of organic HAP that is emitted as determined using the method in appendix A to subpart PPPP of this part.
n = Number of different thinners and/or other additives used during the month.

(3) Calculate the kg organic HAP in the cleaning materials used during the month using Equation 1C of this section:

Refer to regulation for formula of Eq 1C. A copy is available at this web address https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-MMMM/subject-group-ECFR46c855102249155/section-63.3951

Where:
C = Total mass of organic HAP in the cleaning materials used during the month, kg.
Vols,k = Total volume of cleaning material, k, used during the month, liters.
Ds,k = Density of cleaning material, k, kg per liter.
Ws,k = Mass fraction of organic HAP in cleaning material, k, kg organic HAP per kg material.
p = Number of different cleaning materials used during the month.

(4) If you choose to account for the mass of organic HAP contained in waste materials sent or designated for shipment to a hazardous waste TSDF in Equation 1 of this section, then you must determine the mass according to paragraphs (e)(4)(i) through (iv) of this section.

(i) You may only include waste materials in the determination that are generated by coating operations in the affected source for which you use Equation 1 of this section and that will be treated or disposed of by a facility that is regulated as a TSDF under 40 CFR part 262, 264, 265, or 266. The TSDF may be either off-site or on-site. You may not include organic HAP contained in wastewater.

(ii) You must determine either the amount of the waste materials sent to a TSDF during the month or the amount collected and stored during the month and designated for future transport to a TSDF. Do not include in your determination any waste materials sent to a TSDF during a month if you have already included them in the amount collected and stored during that month or a previous month.

(iii) Determine the total mass of organic HAP contained in the waste materials specified in paragraph (e)(4)(ii) of this section.

(iv) You must document the methodology you use to determine the amount of waste materials and the total mass of organic HAP they contain, as required in § 63.3930(h). If waste manifests include this information, they may be used as part of the documentation of the amount of waste materials and mass of organic HAP contained in them.

(f) Calculate the total volume of coating solids used. Determine the total volume of coating solids used, liters, which is the combined volume of coating solids for all the coatings used during each month, using Equation 2 of this section:

Refer to regulation for formula of Eq. 2. A copy is available at this web address https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-MMMM/subject-group-ECFR46c855102249155/section-63.3951

Where:
Vst = Total volume of coating solids used during the month, liters.
Volc,i = Total volume of coating, i, used during the month, liters.
Vs,i = Volume fraction of coating solids for coating, i, liter solids per liter coating, determined according to § 63.3941(b).
m = Number of coatings used during the month.

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(g) Calculate the organic HAP emission rate. Calculate the organic HAP emission rate for the compliance period, kg (lb) organic HAP emitted per liter (gal) coating solids used, using Equation 3 of this section:

Refer to regulation for formula of Eq. 3. A copy is available at this web address https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-MMMM/subject-group-ECFR46c855102249155/section-63.3951

Where:

Hyr = Average organic HAP emission rate for the compliance period, kg organic HAP emitted per liter coating solids used.

He = Total mass of organic HAP emissions from all materials used during month, y, kg, as calculated by Equation 1 of this section.

Vst = Total volume of coating solids used during month, y, liters, as calculated by Equation 2 of this section.

y = Identifier for months.

n = Number of full or partial months in the compliance period (for the initial compliance period, n equals 12 if the compliance date falls on the first day of a month; otherwise n equals 13; for all following compliance periods, n equals 12).

(h) Compliance demonstration. The organic HAP emission rate for the initial compliance period calculated using Equation 3 of this section must be less than or equal to the applicable emission limit for each subcategory in § 63.3890 or the predominant activity or facility-specific emission limit allowed in § 63.3890(c). You must keep all records as required by §§ 63.3930 and 63.3931. As part of the notification of compliance status required by § 63.3910, you must identify the coating operation(s) for which you used the emission rate without add-on controls option and submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the initial compliance period because the organic HAP emission rate was less than or equal to the applicable emission limit in § 63.3890, determined according to the procedures in this section.

[69 FR 157, Jan. 2, 2004, as amended at 85 FR 41141, July 8, 2020]

 # 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6]

Subpart A--General Provisions

Compliance with standards and maintenance requirements.

[From 63.6(e)(1)(i) as referenced by 63.3900(b)]

(e) Operation and maintenance requirements.

(1)(i) At all times, including periods of startup, shutdown, and malfunction, the owner or operator must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. During a period of startup, shutdown, or malfunction, this general duty to minimize emissions requires that the owner or operator reduce emissions from the affected source to the greatest extent which is consistent with safety and good air pollution control practices. The general duty to minimize emissions during a period of startup, shutdown, or malfunction does not require the owner or operator to achieve emission levels that would be required by the applicable standard at other times if this is not consistent with safety and good air pollution control practices, nor does it require the owner or operator to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures (including the startup, shutdown, and malfunction plan required in paragraph (e)(3) of this section), review of operation and maintenance records, and inspection of the source.

[59 FR 12430, Mar. 16, 1994, as amended at 67 FR 16599, Apr. 5, 2002; 68 FR 32600, May 30, 2003; 71 FR 20454, Apr. 20, 2006; 85 FR 73885, Nov. 19, 2020; 86 FR 13821, Mar. 11, 2021]

VII. ADDITIONAL REQUIREMENTS.

 # 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2]

Subpart A--General Provisions

Definitions.

SECTION E. Source Group Restrictions.

The terms used in this part are defined in the Act or in this section as follows:

[Selected definitions from 40 CFR § 63.2 are printed here. Refer to regulation for remaining definitions applicable to Part 63.]

Affected source, for the purposes of this part, means the collection of equipment, activities, or both within a single contiguous area and under common control that is included in a section 112(c) source category or subcategory for which a section 112(d) standard or other relevant standard is established pursuant to section 112 of the Act. Each relevant standard will define the "affected source," as defined in this paragraph unless a different definition is warranted based on a published justification as to why this definition would result in significant administrative, practical, or implementation problems and why the different definition would resolve those problems. The term "affected source," as used in this part, is separate and distinct from any other use of that term in EPA regulations such as those implementing title IV of the Act. Affected source may be defined differently for part 63 than affected facility and stationary source in parts 60 and 61, respectively. This definition of "affected source," and the procedures for adopting an alternative definition of "affected source," shall apply to each section 112(d) standard for which the initial proposed rule is signed by the Administrator after June 30, 2002.

Existing source means any affected source that is not a new source.

Malfunction means any sudden, infrequent, and not reasonably preventable failure of air pollution control and monitoring equipment, process equipment, or a process to operate in a normal or usual manner which causes, or has the potential to cause, the emission limitations in an applicable standard to be exceeded. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

New affected source means the collection of equipment, activities, or both within a single contiguous area and under common control that is included in a section 112(c) source category or subcategory that is subject to a section 112(d) or other relevant standard for new sources. This definition of "new affected source," and the criteria to be utilized in implementing it, shall apply to each section 112(d) standard for which the initial proposed rule is signed by the Administrator after June 30, 2002. Each relevant standard will define the term "new affected source," which will be the same as the "affected source" unless a different collection is warranted based on consideration of factors including:

(1) Emission reduction impacts of controlling individual sources versus groups of sources;
(2) Cost effectiveness of controlling individual equipment;
(3) Flexibility to accommodate common control strategies;
(4) Cost/benefits of emissions averaging;
(5) Incentives for pollution prevention;
(6) Feasibility and cost of controlling processes that share common equipment (e.g., product recovery devices);
(7) Feasibility and cost of monitoring; and
(8) Other relevant factors.

New source means any affected source the construction or reconstruction of which is commenced after the Administrator first proposes a relevant emission standard under this part establishing an emission standard applicable to such source.

Reconstruction, unless otherwise defined in a relevant standard, means the replacement of components of an affected or a previously nonaffected source to such an extent that:

(1) The fixed capital cost of the new components exceeds 50 percent of the fixed capital cost that would be required to construct a comparable new source; and

(2) It is technologically and economically feasible for the reconstructed source to meet the relevant standard(s) established by the Administrator (or a State) pursuant to section 112 of the Act. Upon reconstruction, an affected source, or a stationary source that becomes an affected source, is subject to relevant standards for new sources, including compliance dates, irrespective of any change in emissions of hazardous air pollutants from that source.

[59 FR 12430, Mar. 16, 1994, as amended at 67 FR 16596, Apr. 5, 2002; 68 FR 32600, May 30, 2003; 69 FR 21752, Apr. 22, 2004; 72 FR 27443, May 16, 2007; 85 FR 63418, Oct. 7, 2020; 85 FR 73885, Nov. 19, 2020]

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 # 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.3882]

Subpart MMMM - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products

What parts of my plant does this subpart cover?

(a) This subpart applies to each new, reconstructed, and existing affected source within each of the four subcategories listed in § 63.3881(a).

(b) The affected source is the collection of all of the items listed in paragraphs (b)(1) through (4) of this section that are used for surface coating of miscellaneous metal parts and products within each subcategory.

(1) All coating operations as defined in § 63.3981;

(2) All storage containers and mixing vessels in which coatings, thinners and/or other additives, and cleaning materials are stored or mixed;

(3) All manual and automated equipment and containers used for conveying coatings, thinners and/or other additives, and cleaning materials; and

(4) All storage containers and all manual and automated equipment and containers used for conveying waste materials generated by a coating operation.

(c) An affected source is a new affected source if you commenced its construction after August 13, 2002, and the construction is of a completely new miscellaneous metal parts and products surface coating facility where previously no miscellaneous metal parts and products surface coating facility had existed.

(d) An affected source is reconstructed if it meets the criteria as defined in § 63.2.

(e) An affected source is existing if it is not new or reconstructed.

[Source: 69 FR 157, Jan. 2, 2004]

 # 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.3883]

Subpart MMMM - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products

When do I have to comply with this subpart?

The date by which you must comply with this subpart is called the compliance date. The compliance date for each type of affected source is specified in paragraphs (a) through (c) of this section. The compliance date begins the initial compliance period during which you conduct the initial compliance demonstration described in §§63.3940, 63.3950, and 63.3960.

(a) not applicable.

(b) For an existing affected source, the compliance date is the date 3 years after January 2, 2004.

(c) Not applicable.

(d) You must meet the notification requirements in §63.3910 according to the dates specified in that section and in subpart A of this part. Some of the notifications must be submitted before the compliance dates described in paragraphs (a) through (c) of this section.

 # 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.3901]

Subpart MMMM - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products

What parts of the General Provisions apply to me?

Table 2 to this subpart shows which parts of the General Provisions in §§63.1 through 63.15 apply to you.

[Refer to regulation 40 CFR Part 63 Subpart MMMM for Table 2. A copy of Table 2 is available at this web address: https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-MMMM/appendix-

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Table%202%20to%20Subpart%20MMMM%20of%20Part%2063]

 # 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.3981]

Subpart MMMM - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products

What definitions apply to this subpart?

[Selected definitions are printed below. Refer to § 63.3981 for remaining definitions pertaining to 40 CFR Part 63 Subpart MMMM. A copy is available at this web address: https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-MMMM/subject-group-ECFR4effab2d609656a/section-63.3981]

Terms used in this subpart are defined in the CAA, in 40 CFR 63.2, and in this section as follows:

Additive means a material that is added to a coating after purchase from a supplier (e.g., catalysts, activators, accelerators).

Add-on control means an air pollution control device, such as a thermal oxidizer or carbon adsorber, that reduces pollution in an air stream by destruction or removal before discharge to the atmosphere.

Adhesive, adhesive coating means any chemical substance that is applied for the purpose of bonding two surfaces together. Products used on humans and animals, adhesive tape, contact paper, or any other product with an adhesive incorporated onto or in an inert substrate shall not be considered adhesives under this subpart.

Capture device means a hood, enclosure, room, floor sweep, or other means of containing or collecting emissions and directing those emissions into an add-on air pollution control device.

Capture efficiency or capture system efficiency means the portion (expressed as a percentage) of the pollutants from an emission source that is delivered to an add-on control device.

Capture system means one or more capture devices intended to collect emissions generated by a coating operation in the use of coatings or cleaning materials, both at the point of application and at subsequent points where emissions from the coatings and cleaning materials occur, such as flashoff, drying, or curing. As used in this subpart, multiple capture devices that collect emissions generated by a coating operation are considered a single capture system.

Cleaning material means a solvent used to remove contaminants and other materials, such as dirt, grease, oil, and dried or wet coating (e.g., depainting or paint stripping), from a substrate before or after coating application or from equipment associated with a coating operation, such as spray booths, spray guns, racks, tanks, and hangers. Thus, it includes any cleaning material used on substrates or equipment or both.

Coating means a material applied to a substrate for decorative, protective, or functional purposes. Such materials include, but are not limited to, paints, sealants, liquid plastic coatings, caulks, inks, adhesives, and maskants. Decorative, protective, or functional materials that consist only of protective oils for metal, acids, bases, or any combination of these substances, or paper film or plastic film which may be pre-coated with an adhesive by the film manufacturer, are not considered coatings for the purposes of this subpart. A liquid plastic coating means a coating made from fine particle-size polyvinyl chloride (PVC) in solution (also referred to as a plastisol).

Coating operation means equipment used to apply cleaning materials to a substrate to prepare it for coating application (surface preparation) or to remove dried coating; to apply coating to a substrate (coating application) and to dry or cure the coating after application; or to clean coating operation equipment (equipment cleaning). A single coating operation may include any combination of these types of equipment, but always includes at least the point at which a given quantity of coating or cleaning material is applied to a given part and all subsequent points in the affected source where organic HAP are emitted from the specific quantity of coating or cleaning material on the specific part. There may be multiple coating operations in an affected source. Coating application with handheld, non-refillable aerosol containers, touch-up markers, or marking pens is not a coating operation for the purposes of this subpart.

Coatings solids means the nonvolatile portion of the coating that makes up the dry film.

Controlled coating operation means a coating operation from which some or all of the organic HAP emissions are routed

SECTION E. Source Group Restrictions.

through an emission capture system and add-on control device.

Deviation means:

(1) Before January 5, 2021, any instance in which an affected source subject to this subpart, or an owner or operator of such a source:

(i) Fails to meet any requirement or obligation established by this subpart including but not limited to, any emission limit or operating limit or work practice standard;

(ii) Fails to meet any term or condition that is adopted to implement an applicable requirement in this subpart and that is included in the operating permit for any affected source required to obtain such a permit; or

(iii) Fails to meet any emission limit, or operating limit, or work practice standard in this subpart during SSM, regardless of whether or not such failure is permitted by this subpart; and

(2) On and after January 5, 2021, any instance in which an affected source subject to this subpart or an owner or operator of such a source:

(i) Fails to meet any requirement or obligation established by this subpart including but not limited to any emission limit, operating limit, or work practice standard; or

(ii) Fails to meet any term or condition that is adopted to implement an applicable requirement in this subpart and that is included in the operating permit for any affected source required to obtain such a permit.

Emission limitation means the aggregate of all requirements associated with a compliance option including emission limit, operating limit, work practice standard, etc.

Enclosure means a structure that surrounds a source of emissions and captures and directs the emissions to an add-on control device.

Exempt compound means a specific compound that is not considered a VOC due to negligible photochemical reactivity. The exempt compounds are listed in 40 CFR 51.100(s).

Extreme performance fluoropolymer coating means coatings that are formulated systems based on fluoropolymer resins which often contain bonding matrix polymers dissolved in non-aqueous solvents as well as other ingredients. Extreme performance fluoropolymer coatings are typically used when one or more critical performance criteria are required including, but not limited to a nonstick low-energy surface, dry film lubrication, high resistance to chemical attack, extremely wide operating temperature, high electrical insulating properties, or that the surface comply with government (e.g., USDA, FDA) or third party specifications for health, safety, reliability, or performance. Once applied to a substrate, extreme performance fluoropolymer coatings undergo a curing process that typically requires high temperatures, a chemical reaction, or other specialized technology.

Facility maintenance means the routine repair or renovation (including the surface coating) of the tools, equipment, machinery, and structures that comprise the infrastructure of the affected facility and that are necessary for the facility to function in its intended capacity.

General use coating means any material that meets the definition of coating but does not meet the definition of high performance coating, rubber-to-metal coating, magnet wire coating, or extreme performance fluoropolymer coating as defined in this section.

High performance architectural coating means any coating applied to architectural subsections which is required to meet the specifications of Architectural Aluminum Manufacturer's Association's publication number AAMA 605.2-2000.

High performance coating means any coating that meets the definition of high performance architectural coating or high temperature coating in this section.

SECTION E. Source Group Restrictions.

High temperature coating means any coating applied to a substrate which during normal use must withstand temperatures of at least 538 degrees Celsius (1000 degrees Fahrenheit).

Magnet wire coatings, commonly referred to as magnet wire enamels, are applied to a continuous strand of wire which will be used to make turns (windings) in electrical devices such as coils, transformers, or motors. Magnet wire coatings provide high dielectric strength and turn-to-turn conductor insulation. This allows the turns of an electrical device to be placed in close proximity to one another which leads to increased coil effectiveness and electrical efficiency.

Magnet wire coating machine means equipment which applies and cures magnet wire coatings.

Manufacturer's formulation data means data on a material (such as a coating) that are supplied by the material manufacturer based on knowledge of the ingredients used to manufacture that material, rather than based on testing of the material with the test methods specified in § 63.3941. Manufacturer's formulation data may include, but are not limited to, information on density, organic HAP content, volatile organic matter content, and coating solids content.

Mass fraction of organic HAP means the ratio of the mass of organic HAP to the mass of a material in which it is contained, expressed as kg of organic HAP per kg of material.

Non-HAP coating means, for the purposes of this subpart, a coating that contains no more than 0.1 percent by mass of any individual organic HAP that is listed in Table 5 to this subpart and no more than 1.0 percent by mass for any other individual HAP. [Table 5 is available at this web address: https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-MMMM/appendix-Table%205%20to%20Subpart%20MMMM%20of%20Part%2063]

Organic HAP content means the mass of organic HAP emitted per volume of coating solids used for a coating calculated using Equation 2 of § 63.3941. The organic HAP content is determined for the coating in the condition it is in when received from its manufacturer or supplier and does not account for any alteration after receipt. For reactive adhesives in which some of the HAP react to form solids and are not emitted to the atmosphere, organic HAP content is the mass of organic HAP that is emitted, rather than the organic HAP content of the coating as it is received.

Permanent total enclosure (PTE) means a permanently installed enclosure that meets the criteria of Method 204 of appendix M, 40 CFR part 51, for a PTE and that directs all the exhaust gases from the enclosure to an add-on control device.

Protective oil means an organic material that is applied to metal for the purpose of providing lubrication or protection from corrosion without forming a solid film. This definition of protective oil includes, but is not limited to, lubricating oils, evaporative oils (including those that evaporate completely), and extrusion oils. Protective oils used on miscellaneous metal parts and products include magnet wire lubricants and soft temporary protective coatings that are removed prior to installation or further assembly of a part or component.

Reactive adhesive means adhesive systems composed, in part, of volatile monomers that react during the adhesive curing reaction, and, as a result, do not evolve from the film during use. These volatile components instead become integral parts of the adhesive through chemical reaction. At least 70 percent of the liquid components of the system, excluding water, react during the process.

Research or laboratory facility means a facility whose primary purpose is for research and development of new processes and products, that is conducted under the close supervision of technically trained personnel, and is not engaged in the manufacture of final or intermediate products for commercial purposes, except in a de minimis manner.

Responsible official means responsible official as defined in 40 CFR 70.2.

Rubber-to-metal coatings are coatings that contain heat-activated polymer systems in either solvent or water that, when applied to metal substrates, dry to a non-tacky surface and react chemically with the rubber and metal during a vulcanization process.

Startup, initial means the first time equipment is brought online in a facility.

Surface preparation means use of a cleaning material on a portion of or all of a substrate. This includes use of a cleaning material to remove dried coating, which is sometimes called depainting.

SECTION E. Source Group Restrictions.

Temporary total enclosure means an enclosure constructed for the purpose of measuring the capture efficiency of pollutants emitted from a given source as defined in Method 204 of appendix M, 40 CFR part 51.

Thinner means an organic solvent that is added to a coating after the coating is received from the supplier.

Total volatile hydrocarbon (TVH) means the total amount of nonaqueous volatile organic matter determined according to Methods 204 and 204A through 204F of appendix M to 40 CFR part 51 and substituting the term TVH each place in the methods where the term VOC is used. The TVH includes both VOC and non-VOC.

Uncontrolled coating operation means a coating operation from which none of the organic HAP emissions are routed through an emission capture system and add-on control device.

Volatile organic compound (VOC) means any compound defined as VOC in 40 CFR 51.100(s).

Volume fraction of coating solids means the ratio of the volume of coating solids (also known as the volume of nonvolatiles) to the volume of a coating in which it is contained; liters (gal) of coating solids per liter (gal) of coating.

Wastewater means water that is generated in a coating operation and is collected, stored, or treated prior to being discarded or discharged.

[69 FR 157, Jan. 2, 2004, as amended at 85 FR 41144, July 8, 2020]

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

SECTION E. Source Group Restrictions.

Group Name: 08 - ALL ENGINES

Group Description: 25 Pa. Code PM and SOx emission restrictions for processes

Sources included in this group

ID	Name
373	4 TEST CAR DIESEL GENERATORS, 108 KW, 145 HP (BLDG 60)
948	EMERGENCY GENERATOR BLDG 5 MEZ, EAST END (30KW)
950	EMERGENCY GENERATOR BLDG 7 LOADING DOCK AREA (75 KW)
951	EMERGENCY GENERATOR BLDG 24, INSIDE SW CORNER (30 KW)
952	EMERGENCY GENERATOR BLDG 63 MEZ. ABOVE MAINT. (50 KW)
953	EMERGENCY GENERATOR BEHIND BLDG 9; SW CORNER (66 HP)
954	EMERGENCY GENERATOR WEST SIDE BLDG 2 (60 KW)
955	EMERG GENERATOR MAIN GATE BEHIND GUARD 2D (60 KW 98 HP) GAS
956	EMERGENCY GENERATOR WEST SIDE BLDG 10 (75 KW)
957	EMERGENCY GENERATOR EAST SIDE BLDG 26 (40 KW)
958	EMERGENCY GENERATOR BEHIND BLDG 14 (100 KW)
959	EMERGENCY GENERATOR EAST SIDE BLDG 18 (100 KW)
960	EMERGENCY GENERATOR EAST SIDE BLDG 42 (75 KW)
962	EMERGENCY GENERATOR BLDG 12 NW CORNER (75 KW)
964	EMERG. GENERATOR BLDG 4 MIDDLE FRONT AREA (60 KW 97 HP) GAS
965	EMERG GENERATOR BLDG 51 MIDDLE EAST AREA (131.3KW 176HP) GAS
966	EMERGENCY GENERATOR BLDG 50 MIDDLE SOUTH AREA (40 KW)
969	EMERGENCY GENERATOR SE CORNER BLDG 9 (500 KW, 750 HP DIESEL)
970	EMERGENCY WATER PUMP GENERATOR E OF 19A YARD (610 HP DIESEL)
971	EMERGENCY GENERATOR, WWTP BLDG 13B (400 KW, 755 HP, DIESEL)
972	EMERGENCY GENERATOR AT 4H (150 KW, 230 HP, DIESEL)
973	EMERG. GENERATOR BLDG 6 WEST SUB 6-L (100KW 114HP) NAT GAS
974	EMERGENCY GENERATOR BLDG 20 (70 BHP) NATURAL GAS

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from any process in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

 # 002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source 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.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

SECTION E. Source Group Restrictions.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The facility shall maintain adequate records to demonstrate that all internal combustion engines on site which are exempt from the Plan Approval requirements of 25 Pa. Code §§ 127.11 and 127.12 continue to meet that exemption as specified below.

[From DEP document # 275-2101-003, Air Quality Exemptions, Section 127.14(a)(8), Exemption # 6: "Internal combustion engines regardless of size, with combined NOx emissions less than 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season and 6.6 tons per year on a 12-month rolling basis for all exempt engines at the site."]

 # 004 [25 Pa. Code §129.100]

Compliance demonstration and recordkeeping requirements.

The owner and operator of an air contamination source subject to this section and §§ 129.96 - 129.99 shall keep records to demonstrate compliance with §§ 129.96 - 129.99 in the following manner:

(1) The records must include sufficient data and calculations to demonstrate that the requirements of §§ 129.96 - 129.99 are met.

(2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

[From § 129.100(d). Compliance with this condition will demonstrate the applicability of and compliance with the presumptive RACT condition of

- 129.97(c)(8) for emergency standby engines; or
- 129.97(c)(5) for stationary engines rated less than 500 bhp; or
- 129.97(c)(1) for NOx sources that have PTE of less than 5 tpy of NOx.]

[This RACT II condition applys only to those units installed prior to July 20, 2012. Therefore, this condition does not apply to Source ID's 955, 964, 975, & 972 since these 4 emergency generators were installed after the July 20, 2012, applicabilty date.]

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.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The source shall be installed, maintained, and operated in accordance with the manufacturer's specifications and with good operating practices.

[Compliance with this operating permit condition for all Stationary internal combustion engines on site assures compliance with the following Presumptive RACT requirements:

- 25 Pa. Code § 129.97(c)(8) for all emergency standby engines at this facility which operate less than 500 hours in any 12 consecutive month period; and
- 25 Pa. Code § 129.97(c)(5) for any stationary internal combustion engine rated at less than 500 bhp.]

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: 09 - NSPS FOR CI ICE

Group Description: 40 CFR Part 60 Subpart IIII (NSPS for CI ICE) for certified engines

Sources included in this group

ID	Name
373	4 TEST CAR DIESEL GENERATORS, 108 KW, 145 HP (BLDG 60)
971	EMERGENCY GENERATOR, WWTP BLDG 13B (400 KW, 755 HP, DIESEL)
972	EMERGENCY GENERATOR AT 4H (150 KW, 230 HP, DIESEL)

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [40 CFR Part 1039 Cntrl of Emissns Frm New/In-Use Nonroad Compressn-Ignition Engs §40 CFR 1039.105]

Subpart B - Emission Standards and Related Requirements

What smoke standards must my engines meet?

(a) The smoke standards in this section apply to all engines subject to emission standards under this part, except for the following engines:

(1) Single-cylinder engines.

(2) Constant-speed engines.

(3) Engines certified to a PM emission standard or FEL of 0.07 g/kW-hr or lower.

(b) Smoke from your engines may not exceed the following standards:

(1) 20 percent during the acceleration mode.

(2) 15 percent during the lugging mode.

(3) 50 percent during the peaks in either the acceleration or lugging modes.

[Source: 69 FR 39213, June 29, 2004] [Note: The first sentence in the regulation 40 CFR § 1039.105(b) is omitted from this condition because it does not apply. There are no testing requirements under 40 CFR Part 60 Subpart IIII for the certified engines of this source.]

 # 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4201]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What emission standards must I meet for non-emergency engines if I am a stationary CI internal combustion engine ma

[From 40 CFR 60.4201(a)]

(a) Stationary CI internal combustion engine manufacturers must certify their 2007 model year and later non-emergency stationary CI ICE with a maximum engine power less than or equal to 2,237 kilowatt (KW) (3,000 horsepower (HP)) and a displacement of less than 10 liters per cylinder to the certification emission standards for new nonroad CI engines in 40 CFR 1039.101, 1039.102, 1039.104, 1039.105, 1039.107, and 1039.115 and 40 CFR part 1039, appendix I, as applicable, for all pollutants, for the same model year and maximum engine power.

[71 FR 39172, July 11, 2006, as amended at 76 FR 37967, June 28, 2011; 81 FR 44219, July 7, 2016; 86 FR 34357, June 29, 2021]

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Table 3 to Appendix I of 40 CFR Part 1039 -- Tier 3 Emission Standards [applicable to Source 373, four 2012 model year, 108 kW, non-emergency engines]:

For rated power greater than or equal to 75 kw and less than 130 kw:

The NMHC + NOx emissions shall not exceed 4.0 grams/kW-hr.

The CO emissions shall not exceed 5.0 grams/kW-hr.

SECTION E. Source Group Restrictions.

The PM emissions shall not exceed 0.3 grams/kW-hr.

[86 FR 34507, June 29, 2021]

 # 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4202]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What emission standards must I meet for emergency engines if I am a stationary CI internal combustion engine manufa

(a) Stationary CI internal combustion engine manufacturers must certify their 2007 model year and later emergency stationary CI ICE with a maximum engine power less than or equal to 2,237 KW (3,000 HP) and a displacement of less than 10 liters per cylinder that are not fire pump engines to the emission standards specified in paragraphs (a)(1) through (2) of this section.

(1) [Not Applicable.]

(2) For engines with a rated power greater than or equal to 37 KW (50 HP), the Tier 2 or Tier 3 emission standards for new nonroad CI engines for the same rated power as described in 40 CFR part 1039, appendix I, for all pollutants and the smoke standards as specified in 40 CFR 1039.105 beginning in model year 2007.

(b) [Not Applicable.]

(c) [Reserved]

(d) - (h) [Not Applicable.]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37968, June 28, 2011; 81 FR 44219, July 7, 2016; 86 FR 34358, June 29, 2021]

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Appendix I to Part 1039 - Summary of Previous Emission Standards

The following standards, which EPA originally adopted under 40 CFR part 89, apply to nonroad compression-ignition engines produced before the model years specified in § 1039.1:

(a) - (b) [Not applicable]

(c) Table 3 to Appendix I -- Tier 3 Emission Standards

37 <= kW < 75 for model year starting with 2008:
NOx + NMHC: 4.7 g/kW-hr
CO: 5.0 g/kW-hr
PM: 0.40 g/kW-hr

75 <= kW < 130 for model year starting with 2007:
NOx + NMHC: 4.0 g/kW-hr
CO: 5.0 g/kW-hr
PM: 0.30 g/kW-hr

130 <= kW <= 560 for model year starting with 2006 [applicable to sources 971 & 972]:
NOx + NMHC: 4.0 g/kW-hr
CO: 3.5 g/kW-hr
PM: 0.20 g/kW-hr

(d) Tier 1 through Tier 3 standards applied only for discrete-mode steady-state testing. There were no not-to-exceed standards or transient testing.

SECTION E. Source Group Restrictions.

[86 FR 34507, June 29, 2021]

 # 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4204]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What emission standards must I meet for non-emergency engines if I am an owner or operator of a stationary CI interna

(a) [Not applicable.]

(b) Owners and operators of 2007 model year and later non-emergency stationary CI ICE with a displacement of less than 30 liters per cylinder must comply with the emission standards for new CI engines in §60.4201 for their 2007 model year and later stationary CI ICE, as applicable.

(c) - (f) [Not applicable]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37968, June 28, 2011; 81 FR 44219, July 7, 2016; 86 FR 34358, June 29, 2021]

 # 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal cor

(a) [Not applicable]

(b) Owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in §60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE.

(c) - (f) [Not applicable]

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

 # 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

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 ICE must operate and maintain stationary CI ICE that achieve the emission standards as required in §§60.4204 and 60.4205 over the entire life of the engine.

[76 FR 37969, June 28, 2011]

Fuel Restriction(s).

 # 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

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

(a) [Reserved]

(b) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart 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 § 1090.305 for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted.

(c) [Reserved]

(d) - (e) [Not applicable]

SECTION E. Source Group Restrictions.

[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]

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[From 1090.305 ULSD standards:]

(a) Overview. Except as specified in § 1090.300(a), diesel fuel must meet the ULSD per-gallon standards of this section.

(b) Sulfur standard. Maximum sulfur content of 15 ppm.

(c) Cetane index or aromatic content. Diesel fuel must meet one of the following standards:

(1) Minimum cetane index of 40.

(2) Maximum aromatic content of 35 volume percent.

[Source: 85 FR 78469, Dec. 4, 2020]

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[From 40 CFR § 1090.80 Definitions:]

Ultra low-sulfur diesel (ULSD) means diesel fuel that is certified to meet the standards in § 1090.305.

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[From 40 CFR § 80.2(ooo) - (ppp):]

Nonroad (NR) diesel fuel means any NRLM diesel fuel that is not “locomotive or marine (LM) diesel fuel.”

Locomotive or marine (LM) diesel fuel means any diesel fuel or other distillate fuel that is used, intended for use, or made available for use, as a fuel in locomotive or marine diesel engines, except for the following fuels:

(1) Fuel that is also used, intended for use, or made available for use in motor vehicle engines or nonroad engines other than locomotive and marine diesel engines is not LM diesel fuel.

(2) Distillate fuel with a T90 greater than 700° F that is used only in Category 2 and 3 marine engines is not LM diesel fuel. Use the distillation test method specified in 40 CFR 1065.1010 to determine the T90 of the fuel.

[38 FR 1255, Jan. 10, 1973]

Operation Hours Restriction(s).

 # 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

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

(a) - (e) [Paragraphs (a) through (e) of the regulation are printed under Work Practice Requirements in this section of the permit.]

(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.

SECTION E. Source Group Restrictions.

(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, 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) - (h) [Paragraphs (g) and (h) of the regulation are printed under Work Practice Requirements in this section of the permit.]

[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]

II. TESTING REQUIREMENTS.

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

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).

IV. RECORDKEEPING REQUIREMENTS.

 # 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

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

(a) [Not applicable]

(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 this subpart, 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.

(c) [Not applicable.]

(d) - (e) [Paragraphs (d) - (e) are printed under REPORTING REQUIREMENTS in this section of permit.]

[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]

 # 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §Subpart IIII for Reg 40 Part 60 Table 5]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Labeling and Recordkeeping Requirements for New Stationary Emergency

[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	Starting model year
19=KW<56 (25=HP<75)	2013
56=KW<130 (75=HP<175)	2012
KW=130 (HP=175)	2011

[Source: 71 FR 39172, July 11, 2006]

V. REPORTING REQUIREMENTS.

 # 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

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

(a) - (c) [Paragraphs (a) through (c) are printed under RECORDKEEPING REQUIREMENTS in this section of permit.]

(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.

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

(v) [Reserved]

(vi) [Reserved]

(vii) Hours spent for operation for the purposes specified in §60.4211(f)(3)(i), including the date, start time, and end time for engine operation for the purposes specified in §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 subpart 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 this subpart 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 §60.4.

(e) Owners or operators of stationary CI ICE equipped with AECDs pursuant to the requirements of 40 CFR 1039.665 must report the use of AECDs 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]

VI. WORK PRACTICE REQUIREMENTS.

 # 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

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 this section. In addition, you must also meet the monitoring requirements specified in §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) If you are an owner or operator of a stationary CI internal combustion engine equipped with a diesel particulate filter to comply with the emission standards in §60.4204, the diesel particulate filter must be installed with a backpressure monitor that notifies the owner or operator when the high backpressure limit of the engine is approached.

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

 # 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

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 this subpart, you must do all of the following, except as permitted under paragraph (g) of this section:

(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

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

(b) [Not applicable]

(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 §60.4204(b) or §60.4205(b), or if you are an owner or operator of a CI fire

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pump engine that is manufactured during or after the model year that applies to your fire pump engine power rating in table 3 to this subpart and must comply with the emission standards specified in §60.4205(c), you must comply by purchasing an engine certified to the emission standards in §60.4204(b), or §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 paragraph (g) of this section.

(d) - (e) [Not applicable]

(f) [Paragraph (f) of the regulation is printed under Operating Hour RESTRICTIONS in this section of the permit.]

(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) If you are an owner or operator of a stationary CI internal combustion engine greater than 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. You must conduct subsequent performance testing every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards.

(h) [Not applicable]

[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]

VII. ADDITIONAL REQUIREMENTS.

 # 014 [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?

(a) The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) and other persons as specified in paragraphs (a)(1) through (4) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

(1) [Not Applicable.]

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

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ICE are:

(i) Manufactured after April 1, 2006, and are not fire pump engines, or

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

(3) [Not Applicable.]

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

(b) - (d) [Not Applicable.]

(e) Owners and operators of facilities with CI ICE that are acting as temporary replacement units and that are located at a stationary source for less than 1 year and that have been properly certified as meeting the standards that would be applicable to such engine under the appropriate nonroad engine provisions, are not required to meet any other provisions under this subpart with regard to such engines.

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

 # 015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4208]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What is the deadline for importing or installing stationary CI ICE produced in the previous model year?

(a) After December 31, 2008, owners and operators may not install stationary CI ICE (excluding fire pump engines) that do not meet the applicable requirements for 2007 model year engines.

(b) After December 31, 2009, owners and operators may not install stationary CI ICE with a maximum engine power of less than 19 KW (25 HP) (excluding fire pump engines) that do not meet the applicable requirements for 2008 model year engines.

(c) After December 31, 2014, owners and operators may not install non-emergency stationary CI ICE with a maximum engine power of greater than or equal to 19 KW (25 HP) and less than 56 KW (75 HP) that do not meet the applicable requirements for 2013 model year non-emergency engines.

(d) After December 31, 2013, owners and operators may not install non-emergency stationary CI ICE with a maximum engine power of greater than or equal to 56 KW (75 HP) and less than 130 KW (175 HP) that do not meet the applicable requirements for 2012 model year non-emergency engines.

(e) After December 31, 2012, owners and operators may not install non-emergency stationary CI ICE with a maximum engine power of greater than or equal to 130 KW (175 HP), including those above 560 KW (750 HP), that do not meet the applicable requirements for 2011 model year non-emergency engines.

(f) After December 31, 2016, owners and operators may not install non-emergency stationary CI ICE with a maximum engine power of greater than or equal to 560 KW (750 HP) that do not meet the applicable requirements for 2015 model year non-emergency engines.

(g) After December 31, 2018, owners and operators may not install non-emergency stationary CI ICE with a maximum engine power greater than or equal to 600 KW (804 HP) and less than 2,000 KW (2,680 HP) and a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder that do not meet the applicable requirements for 2017 model year non-emergency engines.

(h) In addition to the requirements specified in §§60.4201, 60.4202, 60.4204, and 60.4205, it is prohibited to import stationary CI ICE with a displacement of less than 30 liters per cylinder that do not meet the applicable requirements specified in paragraphs (a) through (g) of this section after the dates specified in paragraphs (a) through (g) of this section.

(i) The requirements of this section do not apply to owners or operators of stationary CI ICE that have been modified, reconstructed, and do not apply to engines that were removed from one existing location and reinstalled at a new location.

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

 # 016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4218]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What parts of the General Provisions apply to me?

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

[Source: 71 FR 39172, July 11, 2006]

 # 017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4219]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What definitions apply to this subpart?

[Selected definitions are printed below. Refer to regulation for remaining definitions of Subpart IIII.]

As used in this subpart, all terms not defined herein shall have the meaning given them in the CAA and in subpart A of this part.

Certified emissions life means the period during which the engine is designed to properly function in terms of reliability and fuel consumption, without being remanufactured, specified as a number of hours of operation or calendar years, whichever comes first. The values for certified emissions life for stationary CI ICE with a displacement of less than 10 liters per cylinder are given in 40 CFR 1039.101(g). The values for certified emissions life for stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder are given in 40 CFR 1042.101(e).

Diesel particulate filter means an emission control technology that reduces PM emissions by trapping the particles in a flow filter substrate and periodically removes the collected particles by either physical action or by oxidizing (burning off) the particles in a process called regeneration.

Model year means the calendar year in which an engine is manufactured (see “date of manufacture”), except as follows:

(1) Model year means the annual new model production period of the engine manufacturer in which an engine is manufactured (see “date of manufacture”), if the annual new model production period is different than the calendar year and includes January 1 of the calendar year for which the model year is named. It may not begin before January 2 of the previous calendar year and it must end by December 31 of the named calendar year.

(2) For an engine that is converted to a stationary engine after being placed into service as a nonroad or other non-stationary engine, model year means the calendar year or new model production period in which the engine was manufactured (see “date of manufacture”).

Subpart means 40 CFR part 60, subpart IIII.

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

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

SECTION E. Source Group Restrictions.

Group Name: 10 - NSPS FOR SI ICE

Group Description: 40 CFR Part 60 Subpart JJJJ (NSPS for SI ICE) for certified engines

Sources included in this group

ID	Name
955	EMERG GENERATOR MAIN GATE BEHIND GUARD 2D (60 KW 98 HP) GAS
964	EMERG. GENERATOR BLDG 4 MIDDLE FRONT AREA (60 KW 97 HP) GAS
965	EMERG GENERATOR BLDG 51 MIDDLE EAST AREA (131.3KW 176HP) GAS
973	EMERG. GENERATOR BLDG 6 WEST SUB 6-L (100KW 114HP) NAT GAS
974	EMERGENCY GENERATOR BLDG 20 (70 BHP) NATURAL GAS

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60 Subpart JJJJ Table 1]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
Table 1 to Subpart JJJJ of Part 60.--

Table 1 to Subpart JJJJ of Part 60 -- NOX, CO, and VOC Emission Standards for Stationary Non-Emergency SI Engines >= 100 hp (Except Gasoline and Rich Burn LPG), Stationary SI Landfill/Digester Gas Engines, and Stationary Emergency Engines >25 hp

For Emergency Engine and Maximum engine power of 25 < HP < 130 and Manufacture date after 1/1/2009, Emission Standards are:

NOx + HC: 10 g/hp-hr (See note c)
CO: 387 g/hp-hr

Notes:

note a [Not applicable.]
note b [Not applicable.]
note c The emission standards applicable to emergency engines between 25 HP and 130 HP are in terms of NOx + HC.
note d [Not applicable.]

[76 FR 37975, June 28, 2011]

 # 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?

(a) - (c) [Not applicable.]

(d) Owners and operators of stationary SI ICE with a maximum engine power greater than 19 KW (25 HP) and less than 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards for field testing in 40 CFR 1048.101(c) for their non-emergency stationary SI ICE and with the emission standards in Table 1 to this subpart for their emergency stationary SI ICE. Owners and operators of stationary SI ICE with a maximum engine power greater than 19 KW (25 HP) and less than 75 KW (100 HP) manufactured prior to January 1, 2011, that were certified to the standards in Table 1 to this subpart applicable to engines with a maximum engine power greater than or equal to 100 HP and less than 500 HP, may optionally choose to meet those standards.

(e) - (h) [Not applicable.]

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

Operation Hours Restriction(s).

 # 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?

SECTION E. Source Group Restrictions.

(a) – (c) [Paragraphs (a) through (c) are printed under RECORDKEEPING in this section of permit.]

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

(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.

(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]

(e) Owners and operators of stationary SI natural gas fired engines may operate their engines using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations, but must keep records of such use. If propane is used for more than 100 hours per year in an engine that is not certified to the emission standards when using propane, the owners and operators are required to conduct a performance test to demonstrate compliance with the emission standards of §60.4233.

SECTION E. Source Group Restrictions.

(f) [Paragraph (f) is printed under WORK PRACTICES in this section of permit.]

(g) - (i) [Paragraphs 60.4243(g) through (i) are not applicable to this source.]

[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]

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.

 # 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

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

(a) 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 §60.4233(a) through (c), you must comply by purchasing an engine certified to the emission standards in §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 (a)(1) and (2) of this section.

(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 (a)(2)(i) through (iii) of this section, 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 practice for minimizing emissions, but no performance testing is required if you are an owner or operator.

(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 practice for minimizing emissions. In addition, you must conduct an initial performance test within 1 year of engine startup to demonstrate compliance.

(iii) If you are an owner or operator of a stationary SI internal combustion engine greater than 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 within 1 year of engine startup and conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.

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

SECTION E. Source Group Restrictions.

(1) Purchasing an engine certified according to procedures specified in this subpart, for the same model year and demonstrating compliance according to one of the methods specified in paragraph (a) of this section.

(2) [Paragraph 60.4243(b)(2) is not applicable to this source.]

(c) [Paragraph 60.4243(c) is not applicable to this source.]

(d) - (e) [Paragraphs (d) and (e) are printed under RESTRICTIONS in this section of permit.]

(f) [Paragraph (f) is printed under WORK PRACTICES in this section of permit.]

(g) - (i) [Paragraphs 60.4243(g) through (i) are not applicable to this source.]

[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]

 # 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

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

Owners or operators of stationary SI ICE must meet the following notification, reporting and recordkeeping requirements.

(a) Owners and operators of all stationary SI ICE must keep records of the information in paragraphs (a)(1) through (4) of this section.

(1) All notifications submitted to comply with this subpart 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 §60.4243(a)(2), documentation that the engine meets the emission standards.

(b) 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. [Non-applicable regulatory text pertaining to larger engines is omitted from this paragraph.]

(c) - (d) [Paragraphs (c) and (d) of the regulation are not applicable to this source.]

(e) [Paragraph (e) of § 63.4245 is printed under REPORTING REQUIREMENTS in this section of the permit.]

[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]

V. REPORTING REQUIREMENTS.

 # 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

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

(a) - (d) [Paragraphs (a) through (d) of § 63.4245 are printed under RECORDKEEPING REQUIREMENTS in this section of the permit.]

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(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.

(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) [Reserved]

(vi) [Reserved]

(vii) Hours spent for operation for the purposes specified in §60.4243(d)(3)(i), including the date, start time, and end time for engine operation for the purposes specified in §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 subpart 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 this subpart 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 §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]

VI. WORK PRACTICE REQUIREMENTS.

 # 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4234]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

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

Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in §60.4233 over the entire life of the engine.

[Source: 73 FR 3591, Jan. 18, 2008]

 # 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4237]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

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

(a) - (b) Not applicable.

(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.

[Source: 73 FR 3591, Jan. 18, 2008]

 # 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

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

SECTION E. Source Group Restrictions.

(a) – (c) [Paragraphs (a) through (c) are printed under RECORDKEEPING in this section of permit.]

(d) - (e) [Paragraphs (d) and (e) are printed under RESTRICTIONS in this section of permit.]

(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) - (i) [Paragraphs 60.4243(g) through (i) are not applicable to this source.]

[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]

VII. ADDITIONAL REQUIREMENTS.

 # 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4246]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

What parts of the General Provisions apply to me?

Table 3 to this subpart shows which parts of the General Provisions in § §60.1 through 60.19 apply to you. [See regulation for Table 3 of 40 CFR Part 60 Subpart JJJJ. A copy of the regulation is available at this web address: https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-60/subpart-JJJJ/subject-group-ECFR071117cc3c671d8/section-60.4246]

[Source: 73 FR 3591, Jan. 18, 2008]

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

SECTION E. Source Group Restrictions.

Group Name: 11 - NESHAP FOR EMERGENCY ENGINES

Group Description: 40 CFR Part 60 Subpart ZZZZ (NESHAP for Stationary RICE)

Sources included in this group

ID	Name
948	EMERGENCY GENERATOR BLDG 5 MEZ, EAST END (30KW)
950	EMERGENCY GENERATOR BLDG 7 LOADING DOCK AREA (75 KW)
951	EMERGENCY GENERATOR BLDG 24, INSIDE SW CORNER (30 KW)
952	EMERGENCY GENERATOR BLDG 63 MEZ. ABOVE MAINT. (50 KW)
953	EMERGENCY GENERATOR BEHIND BLDG 9; SW CORNER (66 HP)
954	EMERGENCY GENERATOR WEST SIDE BLDG 2 (60 KW)
956	EMERGENCY GENERATOR WEST SIDE BLDG 10 (75 KW)
957	EMERGENCY GENERATOR EAST SIDE BLDG 26 (40 KW)
958	EMERGENCY GENERATOR BEHIND BLDG 14 (100 KW)
959	EMERGENCY GENERATOR EAST SIDE BLDG 18 (100 KW)
960	EMERGENCY GENERATOR EAST SIDE BLDG 42 (75 KW)
962	EMERGENCY GENERATOR BLDG 12 NW CORNER (75 KW)
964	EMERG. GENERATOR BLDG 4 MIDDLE FRONT AREA (60 KW 97 HP) GAS
965	EMERG GENERATOR BLDG 51 MIDDLE EAST AREA (131.3KW 176HP) GAS
966	EMERGENCY GENERATOR BLDG 50 MIDDLE SOUTH AREA (40 KW)
969	EMERGENCY GENERATOR SE CORNER BLDG 9 (500 KW, 750 HP DIESEL)
970	EMERGENCY WATER PUMP GENERATOR E OF 19A YARD (610 HP DIESEL)

I. RESTRICTIONS.

Operation Hours Restriction(s).

 # 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

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

How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requiremer

(a) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you according to methods specified in Table 6 to this subpart.

[Categories 1 and 6 of Table 2c of Subpart ZZZZ apply to this source group. Tables 1a, 1b, 2b, and 2d do not apply to this source group.]

(b) - (e) [Paragraphs (b) through (e) are printed under REPORTING REQUIREMENTS in this section of the permit.]

(f) If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4), is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4), 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 RICE in emergency situations.

(2) You may operate your emergency stationary RICE 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 paragraphs (f)(3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission

SECTION E. Source Group Restrictions.

organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

(ii) - (iii) [Reserved]

(3) Emergency stationary RICE located at major sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (f)(2) of this section. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(4) [Not applicable]

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013; 87 FR 48607, Aug. 10, 2022]

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 §127.441]

Operating permit terms and conditions.

The facility shall maintain adequate records to demonstrate that Limited Use Stationary RICE, as defined by 40 CFR § 63.6675 operate less than 100 hours per year for purposes of applicability to 40 CFR Part 63 Subpart ZZZZ.

 # 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

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

What records must I keep?

(a) If you must comply with the emission and operating limitations, you must keep the records described in paragraphs (a)(1) through (a)(5), (b)(1) through (b)(3) and (c) of this section.

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

(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(3) [Not applicable]

(4) [Not applicable]

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(b) - (c) [Not applicable]

SECTION E. Source Group Restrictions.

(d) You must keep the records required in Table 6 of this subpart to show continuous compliance with each emission or operating limitation that applies to you.

(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE;

(1) Not applicable.

(2) An existing stationary emergency RICE.

(3) [Not applicable.]

(f) If you own or operate any of the stationary RICE in paragraphs (f)(1) through (2) of this section, you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purpose specified in § 63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

(1) An existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions that does not meet the standards applicable to non-emergency engines.

(2) [Not applicable]

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 78 FR 6706, Jan. 30, 2013; 87 FR 48607, Aug. 10, 2022]

 # 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]

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

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

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

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

(c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1).

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010]

V. REPORTING REQUIREMENTS.

 # 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart ZZZZ Table 8]

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

Table 8 to Subpart ZZZZ of Part 63.-- Applicability of General Provisions to Subpart ZZZZ

[Refer to regulation for Table 8 to 40 CFR Part 63 Subpart ZZZZ. A copy of the table is available at this web address: https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-ZZZZ/appendix-Table%208%20to%20Subpart%20ZZZZ%20of%20Part%2063]

[75 FR 9688, Mar. 3, 2010, as amended at 78 FR 6720, Jan. 30, 2013; 85 FR 73912, Nov. 19, 2020]

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

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

How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?

SECTION E. Source Group Restrictions.

(a) [Paragraph (a) is printed under RESTRICTIONS in this section of the permit.]

(b) You must report each instance in which you did not meet each emission limitation or operating limitation in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in §63.6650. [Text from the regulation which is not applicable is omitted from this paragraph in the TV permit.]

(c) - (d) [Not applicable]

(e) You must also report each instance in which you did not meet the requirements in Table 8 to this subpart that apply to you. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to this subpart, except for the initial notification requirements: a new or reconstructed stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new or reconstructed emergency stationary RICE, or a new or reconstructed limited use stationary RICE. [Text from the regulation which is not applicable is omitted from this paragraph in the TV permit.]

(f) [Paragraph (f) is printed under RESTRICTIONS in this section of the permit.]

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013; 87 FR 48607, Aug. 10, 2022]

 # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6645]

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

What notifications must I submit and when?

(a) You must submit all of the notifications in §§63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply to you by the dates specified if you own or operate any of the following;

(1) An existing stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions.

(2) [Not applicable]

(3) A stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions.

(4) A new or reconstructed 4SLB stationary RICE with a site rating of greater than or equal to 250 HP located at a major source of HAP emissions.

(5) This requirement does not apply if you own or operate an existing stationary RICE less than 100 HP, an existing stationary emergency RICE, or an existing stationary RICE that is not subject to any numerical emission standards.

(b) As specified in § 63.9(b)(2), if you start up your stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions before the effective date of this subpart, you must submit an Initial Notification not later than December 13, 2004, or no later than 120 days after the source becomes subject to this subpart, whichever is later.

(c) If you start up your new or reconstructed stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions on or after August 16, 2004, you must submit an Initial Notification not later than 120 days after you become subject to this subpart.

(d) - (e) [Paragraphs (d) and (e) are not applicable.]

(f) If you are required to submit an Initial Notification but are otherwise not affected by the requirements of this subpart, in accordance with §63.6590(b), your notification should include the information in §63.9(b)(2)(i) through (v), and a statement that your stationary RICE has no additional requirements and explain the basis of the exclusion (for example, that it operates exclusively as an emergency stationary RICE if it has a site rating of more than 500 brake HP located at a major source of HAP emissions).

SECTION E. Source Group Restrictions.

(g) - (i) [Not applicable]

[73 FR 3606, Jan. 18, 2008, as amended at 75 FR 9677, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6705, Jan. 30, 2013; 85 FR 73912, Nov. 19, 2020]

 # 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6650]

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

What reports must I submit and when?

(a) - (e) [Not applicable]

(f) Each affected source that has obtained a title V operating permit pursuant to 40 CFR part 70 or 71 must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR 70.6 (a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a Compliance report pursuant to Table 7 of this subpart along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), and the Compliance report includes all required information concerning deviations from any emission or operating limitation in this subpart, submission of the Compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a Compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority.

(g) [Not applicable]

(h) If you own or operate an emergency stationary RICE with a site rating of more than 100 brake HP that operates for the purpose specified in § 63.6640(f)(4)(ii), you must submit an annual report according to the requirements in paragraphs (h)(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 purpose specified in §63.6640(f)(4)(ii), including the date, start time, and end time for engine operation for the purposes specified in §63.6640(f)(4)(ii). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

(viii) If there were no deviations from the fuel requirements in §63.6604 that apply to the engine (if any), a statement that there were no deviations from the fuel requirements during the reporting period.

(ix) If there were deviations from the fuel requirements in §63.6604 that apply to the engine (if any), information on the number, duration, and cause of deviations, and the corrective action taken.

(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 subpart 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 this subpart 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 §63.13.

[69 FR 33506, June 15, 2004, as amended at 75 FR 9677, Mar. 3, 2010; 78 FR 6705, Jan. 30, 2013; 87 FR 48607, Aug. 10,

SECTION E. Source Group Restrictions.

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VI. WORK PRACTICE REQUIREMENTS.

 # 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart ZZZZ Table 2c]

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

Requirements for Existing Compression Ignition Stationary RICE Located at a Major Source of HAP Emissions and Existing Spark Ignition Stationary RICE < or = 500 HP Located at a Major Source of HAP Emissions

Table 2c to Subpart ZZZZ of Part 63 -- Requirements for Existing Compression Ignition Stationary RICE Located at a Major Source of HAP Emissions and Existing Spark Ignition Stationary RICE <=500 HP Located at a Major Source of HAP Emissions

As stated in §§63.6600, 63.6602, and 63.6640, you must comply with the following requirements for existing compression ignition stationary RICE located at a major source of HAP emissions and existing spark ignition stationary RICE <=500 HP located at a major source of HAP emissions:

[Categories 1 and 6 of Table 2c to 40 CFR Part 63 Subpart ZZZZ are applicable.]

Category 1:

For each Emergency stationary CI RICE and black start stationary CI RICE. (See note 1),
You must meet the following requirement, except during periods of startup . . .

a. Change oil and filter every 500 hours of operation or annually, whichever comes first; (See note 2.)
b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;
c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. (See note 3.)

During periods of startup you must Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply." (See note 3.)

Category 6:

For each Emergency stationary SI RICE and black start stationary SI RICE. (See note 1),
You must meet the following requirement, except during periods of startup . . .

a. Change oil and filter every 500 hours of operation or annually, whichever comes first; (See note 2.)
b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first;
c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. (See note 3.)

During periods of startup you must Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. (See note 3.)

Note 1: If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required in Table 2c of this subpart, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated. Sources must report any failure to perform the work practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable.

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

SECTION E. Source Group Restrictions.

Note 3: Sources can petition the Administrator pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices.

[78 FR 6708, Jan. 30, 2013, as amended at 78 FR 14457, Mar. 6, 2013]

 # 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart ZZZZ Table 6]

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

Table 6 to Subpart ZZZZ of Part 63.-- Continuous Compliance With Emission Limitations and Operating Limitations

Table 6 to Subpart ZZZZ of Part 63 -- Continuous Compliance With Emission Limitations, Operating Limitations, Work Practices, and Management Practices

As stated in §63.6640, you must continuously comply with the emissions and operating limitations and work or management practices as required by the following:

[Category 9 of Table 6 applies:]

For each Existing emergency and black start stationary RICE <=500 HP located at a major source of HAP, Complying with the requirement of Work or Management practices, You must demonstrate continuous compliance by . . . .

i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or

ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

[All other categories of Table 6 are not applicable to these RICE.]

[78 FR 6715, Jan. 30, 2013]

 # 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6602]

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

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

If you own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions, you must comply with the other requirements in Table 2c to this subpart which apply to you. [Non-applicable text from regulation is omitted from this paragraph.]

[78 FR 6701, Jan. 30, 2013]

 # 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]

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

What are my general requirements for complying with this subpart?

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

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

[75 FR 9675, Mar. 3, 2010, as amended at 78 FR 6702, Jan. 30, 2013]

 # 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

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

SECTION E. Source Group Restrictions.

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

(a) - (d) [Not applicable]

(e) If you own or operate any of the following stationary RICE, you must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions:

(1) An existing stationary RICE with a site rating of less than 100 HP located at a major source of HAP emissions;

(2) An existing emergency or black start stationary RICE with a site rating of less than or equal to 500 HP located at a major source of HAP emissions;

(3) - (10) [Not applicable].

(f) If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing emergency stationary RICE located at an area source of HAP emissions, you must install a non-resettable hour meter if one is not already installed.

(g) [Not applicable]

(h) If you operate a new, reconstructed, or existing stationary engine, you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply. [Tables 1a, 2a, 2d do not apply to the emergency engines of this source; Categories 1 and 6 of Table 2c apply.]

(i) If you own or operate a stationary CI engine that is subject to the work, operation or management practices in item 1 of Table 2c to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Table 2c to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [Non-applicable text is omitted from this paragraph.]

(j) If you own or operate a stationary SI engine that is subject to the work, operation or management practices in item 5 of Table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Table 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [Non-applicable text is omitted from this paragraph.]

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[69 FR 33506, June 15, 2004, as amended at 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6700, Jan. 30, 2013]

VII. ADDITIONAL REQUIREMENTS.

 # 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2]

Subpart A--General Provisions

Definitions.

The terms used in this part are defined in the Act or in this section as follows:

[Selected definitions from 40 CFR § 63.2 are printed here. Refer to regulation for remaining definitions applicable to Part 63.]

Commenced means, with respect to construction or reconstruction of an affected source, that an owner or operator has undertaken a continuous program of construction or reconstruction or that an owner or operator has entered into a contractual obligation to undertake and complete, within a reasonable time, a continuous program of construction or reconstruction.

Construction means the on-site fabrication, erection, or installation of an affected source. Construction does not include the removal of all equipment comprising an affected source from an existing location and reinstallation of such equipment at a new location. The owner or operator of an existing affected source that is relocated may elect not to reinstall minor ancillary equipment including, but not limited to, piping, ductwork, and valves. However, removal and reinstallation of an affected source will be construed as reconstruction if it satisfies the criteria for reconstruction as defined in this section. The costs of replacing minor ancillary equipment must be considered in determining whether the existing affected source is reconstructed.

Reconstruction, unless otherwise defined in a relevant standard, means the replacement of components of an affected or a previously nonaffected source to such an extent that:

(1) The fixed capital cost of the new components exceeds 50 percent of the fixed capital cost that would be required to construct a comparable new source; and

(2) It is technologically and economically feasible for the reconstructed source to meet the relevant standard(s) established by the Administrator (or a State) pursuant to section 112 of the Act. Upon reconstruction, an affected source, or a stationary source that becomes an affected source, is subject to relevant standards for new sources, including compliance dates, irrespective of any change in emissions of hazardous air pollutants from that source.

[59 FR 12430, Mar. 16, 1994, as amended at 67 FR 16596, Apr. 5, 2002; 68 FR 32600, May 30, 2003; 69 FR 21752, Apr. 22, 2004; 72 FR 27443, May 16, 2007; 85 FR 63418, Oct. 7, 2020; 85 FR 73885, Nov. 19, 2020]

 # 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]

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

What parts of my plant does this subpart cover?

[Note: Source ID's 969 & 970 are "New Stationary RICE rated > 500 hp at a Major Source". This subsection is printed in the permit in the event that paragraph 63.6590(b)(1) may apply.]

This subpart applies to each affected source.

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

(1) Existing stationary RICE.

(i) For stationary RICE with a site rating of more than 500 brake horsepower (HP) located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before December 19, 2002.

SECTION E. Source Group Restrictions.

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

(iii) For stationary RICE located at an area source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.

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

(2) New stationary RICE.

(i) A stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions is new if you commenced construction of the stationary RICE on or after December 19, 2002.

(ii) A stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions is new if you commenced construction of the stationary RICE on or after June 12, 2006.

(iii) A stationary RICE located at an area source of HAP emissions is new if you commenced construction of the stationary RICE on or after June 12, 2006.

(3) Reconstructed stationary RICE.

(i) A stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions is reconstructed if you meet the definition of reconstruction in §63.2 and reconstruction is commenced on or after December 19, 2002.

(ii) A stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions is reconstructed if you meet the definition of reconstruction in §63.2 and reconstruction is commenced on or after June 12, 2006.

(iii) A stationary RICE located at an area source of HAP emissions is reconstructed if you meet the definition of reconstruction in §63.2 and reconstruction is commenced on or after June 12, 2006.

(b) Stationary RICE subject to limited requirements.

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

(i) The stationary RICE is a new or reconstructed emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions.

(ii) The stationary RICE is a new or reconstructed limited use stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions.

(2) [Not applicable since neither landfill nor digester gas are combusted.]

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

(i) Existing spark ignition 2 stroke lean burn (2SLB) stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions;

(ii) Existing spark ignition 4 stroke lean burn (4SLB) stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions;

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(iii) Existing emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions.

(iv) Existing limited use stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions;

(v) Existing stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis;

(c) Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.

(1) A new or reconstructed stationary RICE located at an area source;

(2) A new or reconstructed 2SLB stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions;

(3) A new or reconstructed 4SLB stationary RICE with a site rating of less than 250 brake HP located at a major source of HAP emissions;

(4) A new or reconstructed spark ignition 4 stroke rich burn (4SRB) stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions;

(5) A new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis;

(6) A new or reconstructed emergency or limited use stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions;

(7) A new or reconstructed compression ignition (CI) stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions.

[69 FR 33506, June 15, 2004, as amended at 73 FR 3604, Jan. 18, 2008; 75 FR 9674, Mar. 3, 2010; 75 FR 37733, June 30, 2010; 75 FR 51588, Aug. 20, 2010; 78 FR 6700, Jan. 30, 2013; 87 FR 48607, Aug. 10, 2022]

 # 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6665]

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

What parts of the General Provisions apply to me?

Table 8 to this subpart shows which parts of the General Provisions in §§63.1 through 63.15 apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP) or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with any of the requirements of the General Provisions specified in Table 8: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing emergency stationary RICE, or an existing limited use stationary RICE. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in the General Provisions specified in Table 8 except for the initial notification requirements: A new emergency stationary RICE or a new limited use stationary RICE.

[Non-applicable language from the regulation pertaining to Area Sources and Landfill or Digester gas is omitted from this paragraph.]

SECTION E. Source Group Restrictions.

[75 FR 9678, Mar. 3, 2010]

 # 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6675]

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

What definitions apply to this subpart?

Terms used in this subpart are defined in the Clean Air Act (CAA); in 40 CFR 63.2, the General Provisions of this part; and in this section as follows:

[Selected definitions are printed below. Refer to regulation for remaining definitions of 40 CFR § 63.6675.]

Deviation means any instance in which an affected source subject to this subpart, or an owner or operator of such a source:

(1) Fails to meet any requirement or obligation established by this subpart, including but not limited to any emission limitation or operating limitation;

(2) Fails to meet any term or condition that is adopted to implement an applicable requirement in this subpart and that is included in the operating permit for any affected source required to obtain such a permit; or

(3) Fails to meet any emission limitation or operating limitation in this subpart during malfunction, regardless or whether or not such failure is permitted by this subpart.

(4) Fails to satisfy the general duty to minimize emissions established by §63.6(e)(1)(i).

Emergency stationary RICE means any stationary reciprocating internal combustion engine that meets all of the criteria in paragraphs (1) through (3) of this definition. All emergency stationary RICE must comply with the requirements specified in § 63.6640(f) in order to be considered emergency stationary RICE. If the engine does not comply with the requirements specified in § 63.6640(f), then it is not considered to be an emergency stationary RICE under this subpart.

(1) The stationary RICE is operated to provide electrical power or mechanical work during an emergency situation. Examples include stationary RICE used to produce power for critical networks or equipment (including power supplied to portions of a facility) when electric power from the local utility (or the normal power source, if the facility runs on its own power production) is interrupted, or stationary RICE used to pump water in the case of fire or flood, etc.

(2) The stationary RICE is operated under limited circumstances for situations not included in paragraph (1) of this definition, as specified in § 63.6640(f).

(3) The stationary RICE operates as part of a financial arrangement with another entity in situations not included in paragraph (1) of this definition only as allowed in § 63.6640(f)(4)(i) or (ii).

Limited use stationary RICE means any stationary RICE that operates less than 100 hours per year.

Malfunction means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner which causes, or has the potential to cause, the emission limitations in an applicable standard to be exceeded. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

Subpart means 40 CFR part 63, subpart ZZZZ.

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3607, Jan. 18, 2008; 75 FR 9679, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 76 FR 12867, Mar. 9, 2011; 78 FR 6706, Jan. 30, 2013; 87 FR 48608, Aug. 10, 2022]

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

SECTION E. Source Group Restrictions.

Group Name: 12 - 129.63A CLEANING SOLVENT USE

Group Description: 25 Pa Code §129.63a for Control of VOC emissions from industrial cleaning solvents

Sources included in this group

ID	Name
945	INDUSTRIAL CLEANING SOLVENTS USAGE

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §129.63a]

Control of VOC emissions from industrial cleaning solvents.

[Per 25 Pa. Code § 129.63a(c)(3) below, the emission limitations of paragraph (e) below may or may not apply to this facility based upon actual VOC emissions from the use of industrial cleaning solvents.]

(a) Applicability. This section applies to the owner and the operator of a facility at which an industrial cleaning solvent is used or applied in a cleaning activity at a cleaning unit operation, a work production-related work area or a part, product, tool, machinery, equipment, vessel, floor or wall.

(b) [Paragraph (b) of the regulation is printed under Additional Requirements in this section of the permit.]

(c) Exceptions and exemptions.

(1) This section does not apply to all of the following:

(i) An owner or operator of a cleaning unit operation subject to § 129.63 (relating to degreasing operations) or 40 CFR Part 63, Subpart T (relating to National emission standards for halogenated solvent cleaning).

(ii) An owner or operator of a cleaning unit operation associated with a following category:
(A) Aerospace manufacturing and rework operations.
(B) Architectural coatings.
(C) Automobile and light-duty truck assembly coatings.
(D) Fabric coating.
(E) Fiberglass boat manufacturing materials.
(F) Flat wood paneling coatings.
(G) Flexible packaging printing materials.
(H) Graphic arts printing and coating operations.
(I) Large appliance coatings.
(J) Letterpress printing materials.
(K) Lithographic printing materials.
(L) Magnet wire coating operations.
(M) Marine vessel coating.
(N) Metal container, closure and coil coating.
(O) Metal furniture coatings.
(P) Miscellaneous metal parts coatings.
(Q) Miscellaneous industrial adhesives.
(R) Motor vehicle and mobile equipment coating operations.
(S) Paper, film and foil coating.
(T) Plastic parts coatings.
(U) Polyester resin operations.
(V) Semiconductor wafer fabrication operations.
(W) Shipbuilding and repair coatings.
(X) Wood furniture coatings.
(Y) Wood products coating.
(Z) Electrical and electronic components.
(AA) Precision optics.
(BB) Numismatic dies.

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(CC) Stripping of cured inks, coatings and adhesives.
(DD) Cleaning of resin, coating, ink or adhesive mixing, molding and application equipment.
(EE) Resin, coating, ink and adhesive manufacturing.
(FF) Performance or quality assurance testing of coatings, inks or adhesives.
(GG) Flexible and rigid disc manufacturing.
(HH) Research and development laboratories.
(II) Medical device manufacturing.
(JJ) Pharmaceutical manufacturing.
(KK) Janitorial cleaning.
(LL) Digital printing.

(2) The VOC emission limitations in subsection (e) do not apply to the use or application of an industrial cleaning solvent by the owner or operator of a cleaning unit operation at a facility subject to subsection (a) under either of the following circumstances:

(i) The use or application of the industrial cleaning solvent is subject to a standard or specification required by the United States Department of Defense, Federal Aviation Administration or other Federal government entity. An owner or operator claiming this exemption shall maintain records in accordance with subsection (h)(2).

(ii) The use or application of the industrial cleaning solvent is associated with the cleaning of screen printing equipment and the industrial cleaning solvent used or applied has an as applied VOC content that does not exceed 4.2 pounds of VOC per gallon (lb VOC/gal) (500 grams of VOC per liter (g VOC/l)) of industrial cleaning solvent. An owner or operator claiming this exemption shall maintain records in accordance with subsection (h)(3).

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

(d) [Paragraph (d) of the regulation is not applicable to this facility.]

(e) Emissions limitations. Beginning August 11, 2018, the owner or operator of a facility at which the total combined actual VOC emissions from all subject cleaning unit operations at the facility are equal to or greater than 2.7 tons (2,455 kilograms) per 12-month rolling period, before consideration of controls, may not cause or permit the emission into the outdoor atmosphere of VOCs from an industrial cleaning solvent used or applied in a cleaning unit operation subject to this section at the facility, unless one of the following limitations is met:

(1) Compliant solvents. The industrial cleaning solvent meets one of the following VOC limits:

(i) A VOC content less than or equal to 0.42 lb VOC/gal (50 g VOC/l) as applied.

(ii) A VOC composite vapor pressure less than or equal to 8 mm mercury at 68°F (20°C) as applied.

(2) [Paragraph (e)(2) of the regulation is not applicable to this facility.]

(f) [Paragraph (f) of the regulation is printed under Work Practice Requirements in this section of the permit.]

(g) - (h) [Paragraphs (g) and (h) of the regulation are printed under Recordkeeping Requirements in this section of the permit.]

(i) - (k) [Paragraphs (i), (j), and (k) of the regulation are printed under Additional Requirements in this section of the permit.]

[Source: The provisions of this § 129.63a adopted August 10, 2018, effective August 11, 2018, 48 Pa.B. 4814.]

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).

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 §127.441]

Operating permit terms and conditions.

Records to demonstrate compliance with 25 Pa. Code § 129.63a shall be maintained for at least 5 years.

[This operating permit condition is more stringent than and assures compliance with 25 Pa. Code § 129.63a(h)(5).]

 # 003 [25 Pa. Code §129.63a]

Control of VOC emissions from industrial cleaning solvents.

[From 25 Pa. Code § 129.63a(g) and (h):]

(g) Compliance demonstration. The owner or operator of a cleaning unit operation subject to this section shall demonstrate compliance as follows:

(1) The owner or operator of a facility at which the total combined actual VOC emissions from all subject cleaning unit operations at the facility are equal to or greater than 2.7 tons (2,455 kilograms) per 12-month rolling period, before consideration of controls, shall do either of the following:

(i) Ensure that industrial cleaning solvents used or applied in the subject cleaning unit operations at the facility meet the applicable emissions limitation in subsection (e)(1) and maintain records in accordance with subsection (h)(1)(i).

(ii) [Paragraph (g)(1)(ii) of the regulation does not apply to this source.]

(2) The owner or operator of a cleaning unit operation subject to this section claiming exemption under:

(i) Subsection (c)(2)(i) shall maintain records in accordance with subsection (h)(2).

(ii) Subsection (c)(2)(ii) shall maintain records in accordance with subsection (h)(3).

(iii) Subsection (c)(3) shall maintain records in accordance with subsection (h)(4).

(3) The owner or operator of a cleaning unit operation subject to this section shall determine the VOC content of the industrial cleaning solvent as applied by conducting sampling and testing of the industrial cleaning solvent in accordance with the procedures and test methods specified in subsections (i) and (j) and Chapter 139.

(4) The owner or operator of a cleaning unit operation subject to paragraph (3) may use other test methods or documentation to demonstrate compliance with this section if approved in advance in writing by the Department and the EPA.

(h) Recordkeeping and reporting requirements. The owner or operator of a cleaning unit operation subject to this section shall comply with all of the following applicable recordkeeping and reporting requirements:

(1) The owner or operator of a facility at which the total combined actual VOC emissions from all subject cleaning unit operations at the facility are equal to or greater than 2.7 tons (2,455 kilograms) per 12-month rolling period, before consideration of controls, shall maintain all of the applicable records:

(i) For an owner or operator that complies with this section by using a complying industrial cleaning solvent under subsection (e)(1), records of all of the following parameters for each cleaning unit operation industrial cleaning solvent:

SECTION E. Source Group Restrictions.

(A) The name and identification number.

(B) The weight percent of total volatiles, water and exempt solvents, as supplied.

(C) The VOC content or composite vapor pressure, as supplied. The composite vapor pressure as supplied shall be determined in accordance with subsections (i) and (j).

(D) The VOC content or composite vapor pressure, as applied. The composite vapor pressure as applied shall be determined in accordance with subsections (i) and (j).

(E) The volume used or applied on a monthly basis.

(ii) For an owner or operator that complies with this section through the use of a VOC emissions capture system and an add-on air pollution control device under subsection (e)(2), records sufficient to demonstrate all of the following:

(A) Sampling and testing conducted in accordance with Chapter 139 as required under subsection (e)(2).

(B) Calibration, operation and maintenance of the monitoring equipment installed under subsection (g)(1)(ii) in accordance with manufacturer's specifications.

(2) [Paragraph (h)(2) of regulation 25 Pa. Code § 129.63a does not apply because paragraph (c)(2)(i) is not applicable to this facility.]

(3) The owner or operator of a screen printing equipment cleaning unit operation claiming exemption under subsection (c)(2)(ii) shall maintain records of all of the following information for the screen printing equipment industrial cleaning solvent:

(i) The name and identification number.

(ii) The VOC content or composite vapor pressure, as applied. The composite vapor pressure as applied shall be determined in accordance with subsections (i) and (j).

(iii) The volume used or applied monthly.

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

(5) [Paragraph (h)(5) of the regulation is streamlined out of the permit in favor of a 25 Pa. Code § 127.441 condition that records be maintained for 5 years.]

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 004 [25 Pa. Code §129.63a]

Control of VOC emissions from industrial cleaning solvents.

[Per 25 Pa. Code § 129.63a(c)(3), the emission limitations of paragraph (f) below may or may not apply to this facility based upon actual VOC emissions from the use of industrial cleaning solvents.]

[From 25 Pa. Code § 129.63a(f):]

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(f) Work practice requirements for industrial cleaning solvents, used shop towels and waste materials. The owner or operator of a facility subject to subsection (e) shall comply with all of the following work practices for industrial cleaning solvents and shop towels used in the cleaning unit operation cleaning activity:

(1) Store all VOC-containing industrial cleaning solvents, used shop towels and related waste materials in closed containers.

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

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

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

(5) Minimize VOC emissions from cleaning of storage, mixing and conveying equipment.

(6) Minimize air circulation around cleaning unit operations.

VII. ADDITIONAL REQUIREMENTS.

 # 005 [25 Pa. Code §129.63a]

Control of VOC emissions from industrial cleaning solvents.

[From 25 Pa. Code § 129.63a(b)]

(b) Definitions. The following words and terms, when used in this section, have the following meanings unless the context clearly indicates otherwise:

Cleaning activity — The use or application of an industrial cleaning solvent to remove a contaminant, such as an adhesive, ink, paint, dirt, soil, oil or grease, by wiping, flushing, brushing, soaking, dipping, spraying or a similar effort.

Cleaning unit operation —

(i) An operation at a facility that is a source of VOC emissions from a cleaning activity.

(ii) The term includes the following cleaning activities:

(A) Spray gun cleaning, including the spray gun, attached paint lines and other spray gun equipment used to apply a coating.

(B) Spray booth cleaning, including the interior surfaces of the booth and the equipment contained within the booth.

(C) Manufactured components cleaning as a step in a manufacturing process, including automobile bodies, furniture, sheet metal, glass windows, engine components, subassemblies, sheet metal panels, molded parts, electrical contacts, steel and copper components, tin-plated or silver-plated terminals, plastic parts, upholstered parts, circuit breaker cases, switch covers, threads and bolts.

(D) Parts cleaning, including applicator tips, brushes, machine parts, pumps, circuit boards, truck parts, engine blocks, gauges, cutoff steel, machined parts, tool dies, motors and assemblies, screws, oil guns, welded parts, bearings and filters.

(E) Equipment cleaning of a piece of production equipment in place to prevent cross-contamination or for maintenance purposes, including punch presses, electrical contacts on equipment, pump parts, packaging equipment, rollers, ink pans, carts, press frames and table tops.

(F) Line cleaning, including a pipe, hose or other line that conveys material like paint or resin, that is cleaned separately from a spray gun, tank or other process equipment.

(G) Floor cleaning in a production area of the facility.

(H) Tank cleaning, including a tank, mixing pot or process vessel and the attached lines.

(iii) The term does not include VOC emissions from the use or application of consumer products subject to Chapter 130, Subchapter B (relating to consumer products), including an institutional product or industrial and institutional product as defined in § 130.202 (relating to definitions) for cleaning offices, bathrooms or other areas that are not part of a cleaning unit operation or work production-related work area.

Industrial cleaning solvent — A product formulated with one or more regulated VOCs that is used in a cleaning activity for a

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cleaning unit operation.

Regulated VOC — An organic compound which participates in atmospheric photochemical reactions, that is, an organic compound other than those which the Administrator of the EPA designates in 40 CFR 51.100 (relating to definitions) as having negligible photochemical reactivity.

 # 006 [25 Pa. Code §129.63a]

Control of VOC emissions from industrial cleaning solvents.

[From 25 Pa. Code § 129.63a(i), (j), and (k):]

(i) Composite vapor pressure. The composite vapor pressure of organic compounds in cleaning unit operation industrial cleaning solvents shall be determined by one or more of the following procedures:

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

(i) An appropriate and current ASTM test method with prior written approval from the Department and the EPA.

(ii) Another test method demonstrated to provide results that are acceptable for purposes of determining compliance with this section if prior approval is obtained in writing from the Department and the EPA.

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

[Refer to regulation 25 Pa. Code § 129.63a(i)(2) at this web address for equation: http://www.pacodeandbulletin.gov/Display/pacode?file=/secure/pacode/data/025/chapter129/s129.63a.html&d=reduce.]

Where:

Ppc = VOC composite partial pressure at 20°C, in mm mercury.
Wi = Weight of the ''i''th VOC compound, in grams, as determined by ASTM E260.
Ww = Weight of water, in grams, as determined by ASTM D3792.
We = Weight of the ''e''th exempt compound, in grams, as determined by ASTM E260.
Mwi = Molecular weight of the ''i''th VOC compound, in grams per g-mole, as given in chemical reference literature.
Mww = Molecular weight of water, 18 grams per g-mole.
Mwe = Molecular weight of the ''e''th exempt compound, in grams per g-mole, as given in chemical reference literature.
VPi = Vapor pressure of the ''i''th VOC compound at 20°C, in mm mercury, as determined by subsection (j).

(3) Providing documentation from the manufacturer of the industrial cleaning solvent that indicates the composite vapor pressure. The documentation may include an MSDS, CPDS or other data certified by the manufacturer.

(j) Vapor pressure of single component compound. The vapor pressure of each single component compound in a cleaning unit operation industrial cleaning solvent shall be determined from one or more of the following:

(1) An appropriate and current ASTM test method with prior written approval from the Department and the EPA.

(2) The most recent edition of one or more of the following sources:
(i) Vapour Pressures of Pure Substances, Boublik, Elsevier Scientific Publishing Company.
(ii) Perry's Chemical Engineers' Handbook, Green and Perry, McGraw-Hill Book Company.
(iii) CRC Handbook of Chemistry and Physics, CRC Press.
(iv) Lange's Handbook of Chemistry, McGraw-Hill Book Company.

(3) Documentation provided by the manufacturer of the single component compound that indicates the vapor pressure of the single component compound. The documentation may include an MSDS, CPDS or other data certified by the manufacturer.

(k) ASTM method references. References to ASTM methods in this section pertain to test methods developed by ASTM International, 100 Barr Harbor Drive, Post Office Box C700, West Conshohocken, Pennsylvania 19428-2959, www.astm.org.

SECTION E. Source Group Restrictions.

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

SECTION E. Source Group Restrictions.

Group Name: 13 - QC & QIP FOR CAM

Group Description: General Quality Control (QC) and Quality Improvement Plan (QIP) for 40 CFR Part 64

Sources included in this group

ID	Name
359	BLDG 4E TEST CELL #1
361	BLDG 4E TEST CELL #3
364	AREA 10K TEST CELL #1

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 001 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

For QA/QC purposes, the permittee shall calibrate and check the accuracy of the monitoring equipment according to the manufacturer's recommended procedures.

For the purpose of this condition, the subject monitoring equipment is limited to the following.

(1) Source 359: The scrubber liquid pH monitoring equipment and the temperature monitoring equipment as specified in this permit in Section D, Source 359, Condition # 006(b), (d), and (e).

(2) Source 361: The temperature monitoring equipment as specified in this permit in Section D, Source 361, Condition # 006(d) and (e).

(3) Source 364: The temperature monitoring equipment as specified in this permit in Section D, Source 364, Condition # 006(d) and (e).

[Compliance with this operating permit condition assures compliance with the Compliance Assurance Monitoring (CAM) provisions of 40 CFR Part 64.]

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to § 64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under this part (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions).

[Compliance with this operating permit condition assures compliance with the CAM recordkeeping provisions of 40 CFR § 64.9.]

V. REPORTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) The permittee shall develop and implement a Quality Improvement Plan (QIP) in accordance with 40 CFR § 64.8 as expeditiously as practicable within 60 days if any of the following occurs:

(1) For properly and accurately collected data, accumulated excursions exceeding 5 percent of a pollutant-specific emission unit's operating time during a 6-month reporting period.

(2) The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

(b) The occurrence of excursions shall be determined under normal operating conditions and shall exclude data points recorded outside of the prescribed ranges during events such as calibrations, test cell set up, signal verification, etc. that

SECTION E. Source Group Restrictions.

occur outisde of normal operating conditions.

(c) The permittee shall provide a copy of the QIP to the Department once it is developed. The permittee shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(d) The permittee shall record actions taken to implement a QIP during a reporting period and all related actions including, but not limited to inspections, repairs, and maintenance performed on the monitoring equipment.

(e) In accordance with 40 CFR § 64.8, the QIP shall include procedures for evaluating control performance problems. Based on the results of the evaluation procedures, the permittee shall modify the QIP and provide the Department with a copy, to include procedures for conducting more frequent, or improved, monitoring in conjunction with one or more of the following:

(1) Improved preventive maintenance practices;
(2) Process operation changes;
(3) Appropriate improvements to the control methods;
(4) Other steps appropriate to correct performance.

(f) Following implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

(1) Address the cause of the control device performance problem.
(2) Provide adequate procedures for correcting control device performance problems in as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(g) Implementation of a QIP, shall not excuse the permittee from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or recordkeeping requirements that may apply under any federal, state, or local laws or any other applicable requirements under the Clean Air Act.

[Compliance with this operating permit condition assures compliance with the CAM Quality Improvement Plan (QIP) requirements of 40 CFR § 64.8.]

 # 004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

In accordance with 40 CFR § 70.6(a)(3)(iii) and § 64.9, the permittee shall submit semi-annual reports within 30 days of the end of the reporting period to include the following. The semi-annual reporting period is the 6-month period ending on June 30 or December 31.

(a) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;

(b) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and

(c) A description of the actions taken to implement a QIP during the reporting period as specified in § 64.8. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

[Compliance with this operating permit condition assures compliance with the CAM recordkeeping provisions of 40 CFR § 64.9.]

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).

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).

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

SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

SECTION G. Emission Restriction Summary.

Source Id	Source Description

036 BOILER 4

Emission Limit			Pollutant
0.070	Lbs/MMBTU	based on 30-day average	CO
0.050	Lbs/MMBTU	based on 30-day average	NOX
64.800	Tons/Yr	From Boilers 4, 7 & 8	NOX
4.000	Lbs/MMBTU	over any 1-hour period	SOX
0.275	Lbs/MMBTU		TSP
0.004	Lbs/MMBTU	based on 30-day average	VOC

037 BOILER 7

Emission Limit			Pollutant
0.070	Lbs/MMBTU	based on 30-day average	CO
0.050	Lbs/MMBTU	based on 30-day average	NOX
64.800	Tons/Yr	From Boilers 4, 7, & 8	NOX
4.000	Lbs/MMBTU	over any 1-hour period	SOX
0.275	Lbs/MMBTU		TSP
0.004	Lbs/MMBTU	based on 30-day average	VOC

038 BOILER 8

Emission Limit			Pollutant
0.070	Lbs/MMBTU	based on 30-day average	CO
0.050	Lbs/MMBTU	based on 30-day average	NOX
64.800	Tons/Yr	From Boilers 4, 7, & 8	NOX
4.000	Lbs/MMBTU	over any 1-hour period	SOX
0.275	Lbs/MMBTU		TSP
0.004	Lbs/MMBTU	based on 30-day average	VOC

040 MISCELLANEOUS SMALL COMBUSTION SOURCES

Emission Limit			Pollutant
0.400	Lbs/MMBTU		PM10
4.000	Lbs/MMBTU	over any 1-hour period	SOX

042 BOILER #6

Emission Limit			Pollutant
0.050	Lbs/MMBTU		NOX
20.810	Tons/Yr	based on a 12-month consecutive period	NOX
4.000	Lbs/MMBTU	over any 1-hour period	SOX
0.275	Lbs/MMBTU		TSP

140 CAB PREP AND PAINTING (7-G-25)

Emission Limit			Pollutant
0.040	gr/DRY FT3		PM10
3.380	Lb/Gal	for polyurethane (per gal of coating minus H2O)	VOC
3.410	Lb/Gal	for primer (per gal of coating minus H2O)	VOC
45.500	Tons/Yr		VOC

SECTION G. Emission Restriction Summary.

Source Id	Source Description

177 VPI OPERATIONS (6-B-7 & 6-C-7)

Emission Limit			Pollutant
0.040	gr/DRY FT3		PM10

178 VPI OPERATIONS (6-C-19)

Emission Limit			Pollutant
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SOX
24.900	Tons/Yr	based on a consecutive 12-month period	VOC

181 VARNISH DIP & CURING (6-ANNEX-A-7)

Emission Limit			Pollutant
0.040	gr/DRY FT3		PM10

182 VARNISH APPLICATION SYSTEMS (6-A-15; 6-D-13)(MOBILE)

Emission Limit			Pollutant
0.040	gr/DRY FT3		PM10

315 LOCO PLATFORM PAINT BOOTH (9D)

Emission Limit			Pollutant
0.040	gr/DRY FT3		PM10
3.500	Lbs/Gal	minus water	VOC
30.820	Tons/Yr	based on a consecutive 12-month period	VOC

345 BUILDING 10 PAINT BOOTHS

Emission Limit			Pollutant
0.040	gr/DRY FT3		PM10
3.500	Lbs/Gal	minus water	VOC
158.920	Tons/Yr	based on a consecutive 12-month period	VOC

359 BLDG 4E TEST CELL #1

Emission Limit			Pollutant
10.000	PPMV		Ammonia
3.730	GRAMS/HP-Hr		CO
29.000	Tons/Yr	For the 3 engine test cells located in Building 4E and Area 10-K, combined calculated as a 12 month rolling period	CO
7.400	GRAMS/HP-Hr		NOX
341.000	Tons/Yr	For the 3 engine test cells located in Building 4E and Area 10-K, combined calculated as a 12 month rolling period	NOX
0.450	GRAMS/HP-Hr		PM10
12.700	Tons/Yr	For the 3 engine test cells located in Building 4E and Area 10-K, combined calculated as a 12 month rolling period	PM10
6.400	GRAMS/HP-Hr		SOX
73.200	Tons/Yr	For the 3 engine test cells located in Building	SOX

SECTION G. Emission Restriction Summary.

Source Id	Source Description

		4E and Area 10-K, combined calculated as a 12 month rolling period	
0.550	GRAMS/HP-Hr		VOC

361 BLDG 4E TEST CELL #3

Emission Limit			Pollutant
10.000	PPMV		Ammonia
3.730	GRAMS/HP-Hr		CO
29.000	Tons/Yr	For the 3 engine test cells located in Building 4E and Area 10-K, combined calculated as a 12 month rolling period	CO
7.400	GRAMS/HP-Hr		NOX
341.000	Tons/Yr	For the 3 engine test cells located in Building 4E and Area 10-K, combined calculated as a 12 month rolling period	NOX
0.450	GRAMS/HP-Hr		PM10
12.700	Tons/Yr	For the 3 engine test cells located in Building 4E and Area 10-K, combined calculated as a 12 month rolling period	PM10
6.400	GRAMS/HP-Hr		SOX
73.200	Tons/Yr	For the 3 engine test cells located in Building 4E and Area 10-K, combined calculated as a 12 month rolling period	SOX
0.550	GRAMS/HP-Hr		VOC

364 AREA 10K TEST CELL #1

Emission Limit			Pollutant
10.000	PPMV		Ammonia
3.730	GRAMS/HP-Hr		CO
29.000	Tons/Yr	For the 3 engine test cells located in Building 4E and Area 10-K, combined calculated as a 12 month rolling period	CO
7.400	GRAMS/HP-Hr		NOX
341.000	Tons/Yr	For the 3 engine test cells located in Building 4E and Area 10-K, combined calculated as a 12 month rolling period	NOX
0.450	GRAMS/HP-Hr		PM10
12.700	Tons/Yr	For the 3 engine test cells located in Building 4E and Area 10-K, combined calculated as a 12 month rolling period	PM10
6.400	GRAMS/HP-Hr		SOX
73.200	Tons/Yr	For the 3 engine test cells located in Building 4E and Area 10-K, combined calculated as a 12 month rolling period	SOX
0.550	GRAMS/HP-Hr		VOC

SECTION G. Emission Restriction Summary.

Source Id	Source Description
368	PAINT BOOTH (18-A-35)

Emission Limit			Pollutant
0.040	gr/DRY FT3		PM10
3.500	Lbs/Gal	minus water	VOC
24.000	Tons/Yr	based on a consecutive 12-month period	VOC

Source Id	Source Description
369	PAINT BOOTH BAY (18-B-36)

Emission Limit			Pollutant
0.040	gr/DRY FT3		PM10
3.500	Lbs/Gal	minus water	VOC
6.300	Tons/Yr	based on a consecutive 12-month period	VOC

Source Id	Source Description
372	ENGINE TEST LAB, 7 TEST CELLS (A-G) (BLDG 18E)

Emission Limit			Pollutant
87.000	Tons/Yr	based on a 12-month rolling average	CO
214.000	Tons/Yr	based on a 12-month rolling average	NOX
214.000	Tons/Yr	for each full engine test cell	NOX
214.000	Tons/Yr	for the single cylinder test cell	NOX
28.000	Tons/Yr	based on a 12-month rolling average	SOX
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP

Source Id	Source Description
373	4 TEST CAR DIESEL GENERATORS, 108 KW, 145 HP (BLDG 60)

Emission Limit			Pollutant
3.500	GRAMS/KW-Hr	Only Sources 971, 972 [Appendix I to 40 CFR 1039, 60.4202]	CO
5.000	GRAMS/KW-Hr	Only Source 373 [Appendix I to 40 CFR 1039, 60.4202]	CO
4.000	GRAMS/KW-Hr	Only Source 373 [Appendix I to 40 CFR 1039, 60.4202]	NOx+NMHC
4.000	GRAMS/KW-Hr	Only Sources 971, 972 [Appendix I to 40 CFR 1039, 60.4202]	NOx+NMHC
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP
0.300	GRAMS/KW-Hr	Only Source 373 [Appendix I to 40 CFR 1039, 60.4202]	TSP
2.000	GRAMS/KW-Hr	Only Sources 971, 972 [Appendix I to 40 CFR 1039, 60.4202]	TSP

Source Id	Source Description
510	COOLING TOWER BLDG 22D

Emission Limit		Pollutant
0.040	gr/DRY FT3	PM10

Source Id	Source Description
603	PAINT BOOTH (2-C-36)

Emission Limit			Pollutant
0.040	gr/DRY FT3		PM10
6.200	Tons/Yr	based on a consecutive 12-month period	VOC

SECTION G. Emission Restriction Summary.

Source Id	Source Description

631 COMMUTATOR LATHES (6-1-E-4)

Emission Limit			Pollutant
0.040	gr/DRY FT3		PM10

634 VPI OPERATIONS (6-A-A20 LT)

Emission Limit			Pollutant
0.040	gr/DRY FT3		PM10

671 PAINT BOOTH (6-A-31)

Emission Limit			Pollutant
0.040	gr/DRY FT3		PM10

672 PAINT BOOTH (BLDG 6 BAY C COLUMN 27)

Emission Limit			Pollutant
0.040	gr/DRY FT3		PM10

673 PAINT BOOTH (6-B-31)

Emission Limit			Pollutant
0.040	gr/DRY FT3		PM10

942 MISCELLANEOUS MACHINING & GRINDING

Emission Limit			Pollutant
0.040	gr/DRY FT3		PM10

948 EMERGENCY GENERATOR BLDG 5 MEZ, EAST END (30KW)

Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP

950 EMERGENCY GENERATOR BLDG 7 LOADING DOCK AREA (75 KW)

Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP

951 EMERGENCY GENERATOR BLDG 24, INSIDE SW CORNER (30 KW)

Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP

952 EMERGENCY GENERATOR BLDG 63 MEZ. ABOVE MAINT. (50 KW)

Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP

SECTION G. Emission Restriction Summary.

Source Id	Source Description
953	EMERGENCY GENERATOR BEHIND BLDG 9; SW CORNER (66 HP)

Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP

Source Id	Source Description
954	EMERGENCY GENERATOR WEST SIDE BLDG 2 (60 KW)

Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP

Source Id	Source Description
955	EMERG GENERATOR MAIN GATE BEHIND GUARD 2D (60 KW 98 HP) GAS

Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP

Source Id	Source Description
956	EMERGENCY GENERATOR WEST SIDE BLDG 10 (75 KW)

Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP

Source Id	Source Description
957	EMERGENCY GENERATOR EAST SIDE BLDG 26 (40 KW)

Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP

Source Id	Source Description
958	EMERGENCY GENERATOR BEHIND BLDG 14 (100 KW)

Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP

Source Id	Source Description
959	EMERGENCY GENERATOR EAST SIDE BLDG 18 (100 KW)

Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP

Source Id	Source Description
960	EMERGENCY GENERATOR EAST SIDE BLDG 42 (75 KW)

Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP

Source Id	Source Description
962	EMERGENCY GENERATOR BLDG 12 NW CORNER (75 KW)

Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP

SECTION G. Emission Restriction Summary.

Source Id	Source Description

964 EMERG. GENERATOR BLDG 4 MIDDLE FRONT AREA (60 KW 97 HP) GAS

Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP

965 EMERG GENERATOR BLDG 51 MIDDLE EAST AREA (131.3KW 176HP) GAS

Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP

966 EMERGENCY GENERATOR BLDG 50 MIDDLE SOUTH AREA (40 KW)

Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP

969 EMERGENCY GENERATOR SE CORNER BLDG 9 (500 KW, 750 HP DIESEL)

Emission Limit			Pollutant
2.000	GRAMS/HP-Hr		CO
1.000	GRAMS/HP-Hr		Hydrocarbon
6.900	GRAMS/HP-Hr		NOX
0.400	GRAMS/HP-Hr		PM10
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP

970 EMERGENCY WATER PUMP GENERATOR E OF 19A YARD (610 HP DIESEL)

Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP

971 EMERGENCY GENERATOR, WWTP BLDG 13B (400 KW, 755 HP, DIESEL)

Emission Limit			Pollutant
3.500	GRAMS/KW-Hr	Only Sources 971, 972 [Appendix I to 40 CFR 1039, 60.4202]	CO
5.000	GRAMS/KW-Hr	Only Source 373 [Appendix I to 40 CFR 1039, 60.4202]	CO
4.000	GRAMS/KW-Hr	Only Source 373 [Appendix I to 40 CFR 1039, 60.4202]	NOx+NMHC
4.000	GRAMS/KW-Hr	Only Sources 971, 972 [Appendix I to 40 CFR 1039, 60.4202]	NOx+NMHC
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP
0.300	GRAMS/KW-Hr	Only Source 373 [Appendix I to 40 CFR 1039, 60.4202]	TSP
2.000	GRAMS/KW-Hr	Only Sources 971, 972 [Appendix I to 40 CFR 1039, 60.4202]	TSP

SECTION G. Emission Restriction Summary.

Source Id	Source Description
972	EMERGENCY GENERATOR AT 4H (150 KW, 230 HP, DIESEL)

Emission Limit			Pollutant
3.500	GRAMS/KW-Hr	Only Sources 971, 972 [Appendix I to 40 CFR 1039, 60.4202]	CO
5.000	GRAMS/KW-Hr	Only Source 373 [Appendix I to 40 CFR 1039, 60.4202]	CO
4.000	GRAMS/KW-Hr	Only Source 373 [Appendix I to 40 CFR 1039, 60.4202]	NOx+NMHC
4.000	GRAMS/KW-Hr	Only Sources 971, 972 [Appendix I to 40 CFR 1039, 60.4202]	NOx+NMHC
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP
0.300	GRAMS/KW-Hr	Only Source 373 [Appendix I to 40 CFR 1039, 60.4202]	TSP
2.000	GRAMS/KW-Hr	Only Sources 971, 972 [Appendix I to 40 CFR 1039, 60.4202]	TSP

973	EMERG. GENERATOR BLDG 6 WEST SUB 6-L (100KW 114HP) NAT GAS

Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP

974	EMERGENCY GENERATOR BLDG 20 (70 BHP) NATURAL GAS

Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP

980	BUILDING 6 PAINT BOOTH (BAY C - COLUMNS 12 & 13)

Emission Limit			Pollutant
0.040	gr/DRY FT3		PM10
6.060	Tons/Yr	based on a 12-month rolling total	VOC

981	ELECTRO-COAT DIP PAINTING (BDLG 7)

Emission Limit		Pollutant
0.040	gr/DRY FT3	PM10

982	WET PAINT BOOTH (BDLG 7)

Emission Limit		Pollutant
0.040	gr/DRY FT3	PM10

983	HAND APPLICATION OF COATINGS

Emission Limit		Pollutant
0.040	gr/DRY FT3	PM10

SECTION G. Emission Restriction Summary.

Site Emission Restriction Summary

Emission Limit		Pollutant
135.610 Tons/Yr	for sources not subject to 129.52, 129.52, 129.54-129.72, 129.81, 129.82	VOC

SECTION H. Miscellaneous.

(a) This facility is located at 2901 East Lake Road, Erie, PA 16531.

This facility is a Title V Major Source with respect to Potential Emissions of regulated air pollutants.

The following eFACTS ID's are assigned to this facility for this permit issuance:
Permit number: 25-00025
Records Management System (RMS) Facility Name: GE Transp Sys Erie
RMS ID: 42365
APS ID: 990524
Master Auth ID: 353809
Client ID: 347856
Site ID: 250723
Primary Facility (PF) ID: 258442

All reports, submittals, and other communications required by this permit shall be submitted electronically to the PA DEP Northwest Regional office located at the following address. Web addresses for electronic submittals to this office are below.

Bureau of Air Quality
Department of Environmental Protection
230 Chestnut Street
Meadville, PA 16335
814-332-6940 (phone)
814-332-6121 (fax)
Office Hours 8 a.m. - 4 p.m.
800-541-2050 (after hours)

(i) Spills and other emergencies should be reported immediately to DEP by telephone at 800-541-2050.

(ii) Submittals of Asbestos Abatements and Demolition/Renovation Notification Forms should be made via the Online Asbestos Notification System. Information and links are located at this web address:

https://www.dep.pa.gov/Business/Air/BAQ/BusinessTopics/Pages/Asbestos.aspx

(iii) Submittals of Annual emissions inventory, if required, must be made via the DEP's AES*Online secure website. Information and links are located at this web address:

https://www.dep.pa.gov/Business/Air/BAQ/BusinessTopics/Emission/Pages/default.aspx

(iv) Submittals pertaining to emissions testing, specifically test protocols and test reports, shall be made by emailing electronic copies submissions to PSIMS Administration in Central Office and to the Regional Office AQ Program at the following e-mail addresses:

CENTRAL OFFICE:
RA-EPstacktesting@pa.gov

NORTHWEST REGIONAL OFFICE:
RA-EPNWstacktesting@pa.gov

(v) The 15-day advance notifications of emissions testing dates and supplemental testing information shall be submitted directly to both:

(1) the Protocol Reviewer at Central Office Division of Source Testing at the email address provided by the protocol reviewer; and

(2) to the DEP's OnBase electronic upload website where it will be forwarded to the Northwest Regional Office Air Quality Inspector. Upload the written notification at this web address:
https://www.dep.pa.gov/DataandTools/Pages/Application-Form-Upload.aspx

(vi) Submittals of RFD's shall be made via the DEP's Greenport website at https://greenport.pa.gov

(vii) All other submittals to this office should be made via the DEP's OnBase electronic upload website at this web address:

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https://www.dep.pa.gov/DataandTools/Pages/Application-Form-Upload.aspx

Submittals to the EPA are to be made to the EPA Region III office.

(1) The regional EPA address is:

Section Chief
U.S. Environmental Protection Agency Region III
Enforcement and Compliance Assurance Division
Air Section (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, Pennsylvania 19103-2852

(2) Electronic compliance certifications should be sent to the EPA at the following email address. Include the following in the email subject line: name of facility, state, and Title V operating permit number.

R3_APD_Permits@epa.gov

(b) The Capacity/Throughput numbers listed in Section A, the Site Inventory List, and provided in Section D of this permit for individual sources are for informational purposes only and are not to be considered enforceable limits. The actual enforceable emission and operating limits for each source, with the correct number of significant digits, are listed in Sections C, D, and E of this permit. The Emission Restriction Summary in Section G of this permit is for information purposes only and is not to be used to establish enforceable limits.

(c) Abbreviations used in this permit:

Schematics:

- FML: Fuel material location
- CU: Combustion Unit
- PROC: Process
- CNTL: Control device
- STAC: Stack. The stack can represent either the emission point or fugitive emissions in a permit map.

Pollutants:

- CO: Carbon Monoxide
- NOx: Nitrogen Oxides
- SOx: Sulfur Oxides
- TSP: Total Suspended Particulate (includes both filterable and condensable)
- PM10: Particulate Matter less than 10 microns
- PM2.5: Particulate Matter less than 2.5 microns
- VOC: Volatile Organic Compounds
- HAP: Hazardous Air Pollutant

Source ID: Department assigned ID number for the source

Source Name: Department assigned name for the source

Capacity/Throughput: The maximum rated capacity or throughput for the source. The maximum rated capacity or throughput is not considered an enforceable limit. Enforceable limits are contained within the conditions of the permit.

Fuel/Material: The fuel/material assigned to SCC for the source

AIMS Source: Source in AIMS but not listed specifically as a source in Title V (i.e. grouped as another source).

GE Source: Source listed by the permittee (not in AIMS) but not listed specifically as a source in Title V (i.e. grouped as another source).

AIMS: Air Information Management System -- the DEP electronic database for permitting and emission reports
CAM: Compliance Assurance Monitoring (40 CFR Part 64)
CCS: Cloud Chamber Scrubber (C359A in permit)
CFR: Code of Federal Regulations
CGV: Cloud Generation Vessel (of the Cloud Chamber Scrubber, C359A in permit)
CI: Combustion Ignition
CMS: Continuous Monitoring System
Department: Pennsylvania Department of Environmental Protection (the DEP)
eFacts: Environmental Facility Application Compliance Tracking System -- the DEP electronic database for inspection reports
ICE: Internal Combustion Engine

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ICI: Industrial, Commercial, and Institutional
NESHAP: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 63)
NSPS: New Source Performance Standards (40 CFR Part 60)
NWRO: Northwest Regional Office of PA DEP
QIP: Quality Improvement Plan
PCC: Pre-Conditioning Chamber of the Cloud Chamber System (C359A in permit)
RACT I: The Reasonably Available Control Technology requirements of 25 Pa. Code §§ 129.93 through 129.95 promulgated on January 14, 1994, for control of NOx and VOC.
RACT II: The Reasonably Available Control Technology requirements of 25 Pa. Code §§ 129.96 through 129.100 promulgated on April 23, 2016 for control of NOx and VOC.
RFD: Request for Determination of Changes of Minor Significance & Exemption from plan approval.
RICE: Reciprocating Internal Combustion Engine
SCC: Source Classification Code as defined by EPA
SI: Spark Ignition
Source: An air contamination source (25 Pa. Code § 121.1).
TV: Title V
VPI: Vacuum Pressure Impregnation

(d) For the purpose of this permit, Source 040 (Miscellaneous Small Combustion Sources - less than 10 mmbtu/hr) consists of the following sources located throughout the facility firing natural gas
(1) Furnaces
(2) Ovens
(3) Pressure Washers
(4) Water Heaters
(5) Space Heaters
(6) Thermal Parts Cleaners

(e) For the purpose of this permit, Source 140 (Cab Prep and Painting) consists of 3 cab paint booths and one (1) booth for preparation (phosphate or steam cleaning, e.t.c) located in Building 7.

(f)-(g) [no longer applicable]

(h) For the purpose of this permit, Source 181 (Varnish Dip & Curing [6-ANNEX-A-7]) consists of the following:
(1) VPI Process Curing Ovens and Tank
(2) VPI Process - Pressure Vessel
(3) Roll Dip Rotors

(i) [no longer applicable]

(j) For the purpose of this permit, Source 345 (Bldg 10 Paint Booths) consists of the following:
(1) Paint Booth Track 7 [Booth Track 7 --> CD: D46 --> EP: T83]
(2) AIMS Source 347 - Paint Booth Track 8 [347 --> CD: D47 --> EP: T84]
(3) AIMS Source 348 - Paint Booth Track 9 [348 --> CD: D48 --> EP: T85]
(4) AIMS Source 349 - Loco Booth 10 [349 --> CD: D49 --> EP: T49, 50, 51]
(5) AIMS Source 350 - Loco Booth 11 [350 --> CD: D50 --> EP: T49, 50, 51]
(6) AIMS Source 351 - Loco Booth 12 [351 --> CD: D51 --> EP: T49, 50, 51]
(7) AIMS Source 352 - Loco Booth 13 [352 --> CD: D52 --> EP: T49, 50, 51]
(8) AIMS Source 353 - Loco Booth 14 [353 --> CD: D53 --> EP: T49, 50, 51]
(9) AIMS Source 354 - Pt Booth & Oven 10-B-34 [354 --> CD: D54 --> EP: T53]

(k) For the purpose of this permit, Source 942 (Miscellaneous Machining & Grinding & Plant Welding Emissions) consists of the following:
(1) Rotoblast (5-E-26) with cartridge collector (PA 25-399-047)
(2) Shot Blast Booth with control device @ 5-F-18
(3) Shot Blast Booth with control device @ 5-C-33

(l) For the purpose of this permit, Source 943 (Vacuum Impregnation System) consists of the following:
(1) VPI System
(i) Vacuum Tank and vacuum pump

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(ii) Transfer Tank
(iii) Chiller and chiller pump
(2) VPI Bake Ovens (3)
(3) VPI Batch Ovens (4)

(m) The following sources have minor emissions and no applicable emission, testing, monitoring, recordkeeping or reporting requirements:

(1) Gasoline Storage Tanks < 2,000 gallons
(i) 1,000 gallon gasoline tank (PA Registration #067)
(2) Storage Tanks: (< 40,000 gallons and TVP < 1.5 psia)
(i) 3,000 gallon lube oil tank (PA Registration #26)
(ii) 25,000 gallon diesel tank (PA Registration #6)
(iii) 30,000 gallon diesel tank (PA Registration #7)
(iv) 20,000 gallon diesel tanks (PA Registration #8, 45, & 46)
(v) 10,000 gallon diesel tank (PA Registration #11)
(vi) 1,000 gallon lube oil tanks (PA Registration #12)
(vii) 24,000 gallon diesel tank (PA Registration #2)
(viii) 8,000 gallon lube oil tanks (PA Registration #4, #5)
(ix) 24,000 gallon lube oil tank (PA Registration #3)
(x) 12,000 gallon diesel tank (PA Registration # 061)
(xi) 2,000 gallon diesel tank (PA Registration # 065)
(xii) 15,000 gallon diesel tank (PA Registration # 066)
(xiii) 1,600 gallon lube oil tank (PA Registration #062 & 063)
(xiv) 5,000 gallon antifreeze mixture tank (PA Registration #044)
(xv) 800 gallon antifreeze mixture tank (PA Registration #041)
(xvi) Five 4,000 gallon waste oil tanks (not registered)
(xvii) Two 950 gallon waste oil tanks (not registered)
(xviii) Two 5,000 gallon waste oil tanks (not registered)
(ixx) One 1,450 gallon waste oil tank (not registered)
(xx) One 2,000 gallon waste oil tank (not registered)
(3) Grinding, deburring, sanding (exhausts indoors)
(i) GE Source 105
(ii) GE Source 111
(iii) GE Source 113
(iv) GE Source 114
(v) GE Source 145
(vi) AIMS Source 214 - Grinding Area 20-C-4,5 [214 --> C15 --> S14]
(vii) GE Source 560 - Grinder (Dry)
(viii) AIMS Source 604 - Tool Grinders 2-2-A-30-E [604 -->G03--> Indoors]
(ix) AIMS Source 624 - Grinding Area 6-B-11 [624 --> G24 --> Indoors]
(x) AIMS Source 633 - Grinding Area 6-A-11 [633 --> G33 --> Indoors]
(4) Machining, drilling, forming, milling (exhausts indoors)
(i) GE Source 163
(ii) GE Source 184
(iii) GE Source 187
(iv) AIMS Source 370 - Woodworking Area 18-E-B-33 [370 --> D65 --> T74]
(5) Glass, steel shot and sand blasting (closed loop systems)
(i) n/a
(ii) n/a
(iii) AIMS Source 323 - Shot Roto Blast 5-D-19 [323 --> D23 --> T23]
(iv) GE Source 558 - Shot Blast - Glass Bead
(v) n/a
(vi) AIMS Source 608 - Shotblast 2-34-WLT [608 --> G05 --> Indoors]
(6) Welding, brazing, quenching, soldering (exhausts indoors)
(i) GE Source 152
(ii) GE Source 169 - Lead Solder (63-D-16)
(iii) GE Source 174
(iv) AIMS Source 328 - ARC Welding 5A/B-1 [328 --> D27 --> D28 --> T28]
(v) GE Source 768 - Zinc Plating

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(7) Laboratory Equipment
(i) GE Source 141
(ii) GE Source 900 - Six Hoods used for Misc. Lab Purposes (9-basement)
(8) Maintenance Supplies
(9) Wastewater and wastewater treatment chemicals
(10) Electric Ovens (exhausts indoors)
(i) GE Source 144 - Curing Oven
(ii) GE Source 150 - Small Ovens
(iii) GE Source 175 - Small VPI Oven
(iv) GE Source 559 - Steelman Oven (Vented outdoors)
(11) Steam Cleaning (exhausts indoors)
(i) GE Source 153 - Steam Clean Bay N Final (6-A-A20 LT)
(12) Woodworking Activities (exhausts outdoors)
(i) AIMS Source 211 - Woodworking area (24-A-8) [211 --> C13 --> S11]
(13) Miscellaneous Painting Activities (exhausts indoor)
(i) GE Source 106 - Paint Table
(ii) AIMS Source 774 - Spray Booth (18C-D12) [774 --> H58 --> X62]
(iii) GE Source 902 - ISE Insulation Wrapping (12-D-8)
(14) Table 1 (Other Misc. Sources - no source identification)
(15) Table 2 (Other Misc. Sources - with source identification)
(i) GE Source 039
(ii) GE Source 137 Small Scale Electric Oven
(16) Source 112 (Drying Oven & Powder Paint Booth)
(17) Source 120 (Plasma Metal Spray Booth)
(18) The operation of using finished locomotives as power supplies which was exempt from plan approval on May 26, 2009, RFD.
(19) A manual drum handling system which was exempt from plan approval on October 14, 2009, RFD.
(20) A refueling operation to provide fuel to a tender car for use when locomotives on the test track are fueled by liquified natural gas.
(21) Fugitive VOC losses from 4E#1 fueling operations for which a 15-day notification under 127.12(a)(8) exemption #31 was submitted to the Department by the permittee on April 26, 2017.
(22) Building 6 Oven Honing Process, exempt from plan approval under DEP Air Quality Exemption Doc # 275-2101-003, amended August 8, 2018, Section 127.14(a)(9), Item 14, for physical changes consisting of installing a fume hood or vent system for industrial hygiene purposes or in a laboratory.
(23) Building 7 Laser Cutter, exempt from plan approval under DEP Air Quality Exemption Doc # 275-2101-003, amended August 8, 2018, Section 127.14(a)(8), Item 34, for sources of particulate matter that are controlled by a baghouse, have an emission rate which meets the limits of Chapter 123, and are exhausted indoors and cannot be bypassed to exhaust to the outdoor atmosphere and which do not emit HAP as specified in the exemption criteria.
(24) Kapton Burning Process, exempt from plan approval under DEP Air Quality Exemption Doc # 275-2101-003, amended August 8, 2018, Section 127.14(a)(9), Item 14, for physical changes consisting of installing a fume hood or vent system for industrial hygiene purposes or in a laboratory.

(n) The following regulations have been determined to be non-applicable as of time of permit issuance:

(1) 25 PA Code Chapter 126 {Standards for Motor Fuels}
(a) Subchapter A {Oxygenate Content}
(b) Subchapter B {Employer Trip Reduction}
(c) Subchapter C {Gasoline Volatility Requirements}

(2) 25 PA Code 127.212 {Portable facilities}

(3) 25 PA Code 129.54 {Seasonal operation of auxiliary incineration equipment}

(4) 25 PA Code 129.66 {Compliance schedules and final compliance dates}

(5) 25 PA Code 129.82 {Control of VOCs from gasoline dispensing facilities - Stage II}

(6) 25 PA Code 139.108 {TRS compound monitoring requirements}

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(7) 40 CFR 60 Subpart D {Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction Is Commenced After August 17, 1971}

(8) 40 CFR 60 Subpart K {Standards of Performance for Storage Vessels for Petroleum Liquids for which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and prior to May 19, 1978}

(9) 40 CFR 60 Subpart Ka {Standards of Performance for Storage Vessels for Petroleum Liquids for which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and prior to May 19, 1978}

(10) 40 CFR 60 Subpart Kb {Standards of Performance for Storage Vessels for Petroleum Liquids for which Construction, Reconstruction, or Modification Commenced After July 23, 1984}

(11) 40 CFR 60 Subpart GG {Standards of Performance for Stationary Gas Turbines}

(12) 40 CFR 61 Subpart A {General Provisions}

(13) 40 CFR 61 Subpart C {National Emission Standard for Beryllium}

(14) 40 CFR 61 Subpart E {National Emission Standard for Mercury}

(15) 40 CFR 61 Subpart F {National Emission Standard for Vinyl Chloride}

(16) 40 CFR 61 Subpart J {National Emission Standard for Equipment Leaks (Fugitive Emission Sources) of Benzene}

(17) 40 CFR 61 Subpart V {National Emission Standard for Equipment Leaks (Fugitive Emission Sources)}

(18) 40 CFR 61 Subpart X {Reserved}

(19) 40 CFR 63 Subpart B {Requirements for Control Technology Determinations for Major Sources in Accordance with Clean Air Act Sections, Sections 112(g) and 112(j)}

(20) 40 CFR 63 Subpart C {List of Hazardous Air Pollutants, Petitions Process, Lesser Quantity Designations, Source Category List - Reserved}

(21) 40 CFR 63 Subpart D {Regulations Governing Compliance Extensions for Early Reductions of Hazardous Air Pollutants}

(22) 40 CFR 63 Subpart E {Approval of State Programs and Delegation of Federal Authorities}

(23) 40 CFR 63 Subpart H {National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks}

(24) 40 CFR 63 Subpart I {National Emission Standards for Organic Hazardous Air Pollutants for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks}

(25) 40 CFR 63 Subpart Q {National Emission Standards for Organic Hazardous Air Pollutants for Industrial Process Cooling Towers}

(26) 40 CFR 63 Subpart OO {National Emission Standards for Tanks - Level 1}

(27) 40 CFR 63 Subpart PP {National Emission Standards for Containers}

(28) 40 CFR 63 Subpart RR {National Emission Standards for Individual Drain Systems}

(29) 40 CFR 63 Subpart VV {National Emission Standards for Oil-Water Separators and Organic-Water Separators}

(30) 40 CFR 69 {Special Exemptions from Requirements of the Clean Air Act}

(31) 40 CFR 72 {Permit Regulations}

(32) 40 CFR 74 {Sulfur Dioxide Opt-Ins}

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(33) 40 CFR 79 {Registration of Fuels and Fuels Additives}

(34) 40 CFR 80 {Regulation of Fuels and Fuels Additives}

(35) 40 CFR 85 {Control of Air Pollution from Motor Vehicles and Motor Vehicle Engines}

(36) 40 CFR 86 {Control of Air Pollution from New and In-Use Motor Vehicles and New and In-Use Motor Vehicle Engines: Certifications and Test Procedures}

(37) 40 CFR 87 {Control of Air Pollution from Aircraft and Aircraft Engines}

(38) 40 CFR 88 {Clean Fuel Vehicles}

(39) 40 CFR 90 {Control of Emissions from Non-Road Spark-Ignition Engines}

(40) 40 CFR 93 {Determining Conformity of Federal Actions to State or Federal Implementation Plans}

(o) This Operating Permit No. TV 25-00025 was originally issued on November 2, 2000, effective on December 1, 2000, and expires on October 31, 2005. Revision No. 1, effective on January 15, 2002, was for an administrative amendment to change the name of the responsible official. Revision No. 2, issued on September 23, 2002, was for an administrative amendment to incorporate plan approval (PA-25-025C) conditions for a new Vacuum Impregnation System. Revision No. 3, issued on April 29, 2003, was for both a minor modification for the modification of the SOx emission limits as specified in 25 P A Code 123.22(b)(4)(ii) and a major modification for the modification of the NOx emission limitations associated with the coal fired boilers from RACT OP: 25-025A issued August 26, 2002, and PA: 25-025D.

(p) This Title V Permit was Administratively Amended on January 8, 2004, to make a change to the Responsible Official.

(q) This Title V Permit was Administratively Amended on 09/30/2004 to incorporate the condition of plan approval # 25-025F for new paint/cure booth.

(r) The definitions, abbreviations and units of measurement contained in 40 CFR §63.2, §63.3, §63.7575 and §63.3981 are incorporated into this permit.

(s) For the purpose of this permit, Source 631 (Commutator Lathes 6-1-E-4) consists of the following in the commutator machining area:

(1) Mica Lathe --->C631 ---->S631
(2) Copper Lathe ----> C631 ----> S631

(t) Source 176 (VPI System) was removed from the permit at the 2017 TV renewal since it was removed from the facility.

(u) For the purpose of this permit, Source 178 (VPI Operations) consists of the following:
(a) Varnish Holding Tank
(b) VPI Pressure Tank
(c) 8 Curing Ovens (8th oven RFD approved on 11/14/2011.)

(v) The definition, abbreviations and units of measurements contained in 40 C.F.R §63.7575 and §63.3981 are incorporated by reference. Also, the list of tables from Subpart DDDDD are incorporated by reference

(w) This Title V permit No. 25-00025 was renewed on August 1, 2006, effective immediately and will expire on July 31, 2011.

(x) [Reserved]

(y) The Operating Permit was revised on August 31, 2007 for an adminstrative amendment to include the conditions of Plan Approvals 25-025H, 25-025I, and 25-025K. The ERC provisions from Plan Approval 25-025J (Section C, Additional Requirements, Condition #002) were also administratively amended into the TV operating permit.

(z) The Operating Permit was revised on February, 27, 2009 for an administrative amendment to include the conditions of Plan Approval 25-025E and 25-025L.

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(aa) The Operating Permit was revised on April 7, 2009 for a minor modification that removed the use of oil as a fuel in the #6 Boiler.

(ab) For the purpose of this permit, Source 182, Varnish Application Systems (6-A-15; 6-D-13)(Mobile) consists of 2 separate systems in building 6. Each system consists of a tank, a pump, and a manual varnish applicator. They are primarily located at 6-A-15 and 6-D-13, but they are mobile and are moved about the shop as needed.

(ac) Source 373, Test Car Generators (Bldg 60) consists of the following 4 identical diesel engines used to power generator sets on test cars:

• Test Car 90 - Two Cummins Diesel Generator models QSB5-G3 NR3, each rated at 145 hp (108 kW), 4.5 l/cyl displacement, for which EPA Tier 3 Emission certifications were received by the Department on May 6, 2013. - 100 hrs/12 months each.

• Test Car 100 - Two Cummins Diesel Generator models QSB5-G3 NR3, each rated at 145 hp (108 kW), 4.5 l/cyl displacement, for which EPA Tier 3 Emission certifications were received by the Department on May 6, 2013. - 100 hrs/12 months each.

The following additional engines used for Test Cars in Building 60 are not considered to be Stationary sources and have been removed from inclusion with Source 373:

• Portable Generator John Deere Diesel rated at 58 HP - 120 hrs/12 months

• Portable Welder - Onan Diesel - 11 hp - 40 hrs/12-months.

(ad) This Operating Permit is renewal issued on September 29, 2011, is effective October 1, 2011.

(ae) This Permit was administratively amended on July 18, 2012 to incorporate the requirements of plan approval 25-025R.

(af) This permit was administratively amended on December 14, 2012 to incorporate the requirements of plan approval 25-025S.

(ag) This permit was modified on July 31, 2013 to incorporate the amendments of 40 CFR 63 Subparts ZZZZ and DDDDD; to incorporate four new 132 HP Cummins diesel generators under Source 373 (with applicable requirements of 40 CFR 60 Subpart IIII); to remove Source 362 and adjust the emission rates and diesel consumption rates for Source 372; and, to include Source 968 (Misc plant-wide VOC emissions) with applicable requirements.

(ah) Source 963, Portable Emergency Generator (Diesel) (175 kW, 263 hp), remains on site but is removed from the permit at the 2017 Title V permit renewal because it is no longer considered to be a Stationary engine. It is now considered to be a non-road engine. This generator is mounted on a skid in order to be moved to any location where emergency power is needed. When not in use, it has a parking spot inside a maintenance building.

(ai) This Title V operating permit renewal, effective January 31, 2018, is issued on January 31, 2018.

• This renewal issuance incorporates a Request for Administrative Amendment to change the Responsible Official.

• And this renewal issuance incorporates the Requests for Administrative Amendments to incorporate the conditions from the following 3 plan approvals:

• Plan approval 25-025U (for the derating of Source 042, Boiler #6);

• Plan approval 25-025V (for the replacement of paint booth Sources 164 & 804 with new coating operations, 981 & 982);

• Plan approval 25-025W applicable to the Test Cells of Sources 359, 361, & 364.

• And this renewal includes GE's case-by-case alternative RACT II requirements which will be included in the SIP.

(aj) This permit was administratively amended on June 3, 2019 to incorporate the change in ownership to Wabtec US Rail, Inc.

(ak) This permit was administratively amended on November 21, 2019 to change the responsible official and correct a typographical error.

(al) This Title V operating permit renewal, effective November 1, 2022, is issued on November 1, 2022.

****** End of Report ******