



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: August 9, 2023 Effective Date: June 11, 2025
Revision Date: June 11, 2025 Expiration Date: August 31, 2028
Revision Type: Amendment

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

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

TITLE V Permit No: 28-05002

Federal Tax Id - Plant Code: 23-1357141-1

Owner Information

Name: USARMY LETTERKENNY ARMY DEPOT
Mailing Address: AMLD-EN
CHAMBERSBURG, PA 17201-4150

Plant Information

Plant: US DEPT OF DEFENSE/LETTERKENNY ARMY DEPOT
Location: 28 Franklin County 28910 Letterkenny Township
SIC Code: 9711 Public Admin. - National Security

Responsible Official

Name: COL RICK ALLBRITTON
Title: COMMANDER, LEAD
Phone: (717) 267 - 8300 Email: ricky.l.allbritton.mil@army.mil

Permit Contact Person

Name: SAMUEL J PELESKY
Title: PHYSICAL SCIENTIST
Phone: (717) 267 - 5591 Email: samuel.j.pelesky.civ@army.mil

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



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**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput		Fuel/Material
031	JOHNSON BOILER BLDG 1	4.200	MMBTU/HR	
		27.300	Gal/HR	#2 Oil
		4.200	MCF/HR	Natural Gas
032	JOHNSON BOILER BLDG 1	4.200	MMBTU/HR	
		27.300	Gal/HR	#2 Oil
		4.200	MCF/HR	Natural Gas
036	JOHNSON BOILER BLDG 3	5.200	MMBTU/HR	
		5.200	MCF/HR	Natural Gas
		37.100	Gal/HR	#2 Oil
037	JOHNSON BOILER BLDG 3	5.200	MMBTU/HR	
		5.200	MCF/HR	Natural Gas
		37.100	Gal/HR	#2 Oil
041	SMITH BOILER BLDG 12	3.800	MMBTU/HR	
		27.300	Gal/HR	#2 Oil
		3.700	MCF/HR	Natural Gas
042	SMITH BOILER BLDG 12	3.800	MMBTU/HR	
		27.300	Gal/HR	#2 Oil
		3.700	MMCF/HR	Natural Gas
046A	C-B BOILER BLDG 37SW	8.200	MMBTU/HR	
		8.000	MCF/HR	Natural Gas
051	SMITH BOILER BLDG 51	4.100	MMBTU/HR	
		4.000	MCF/HR	Natural Gas
		29.500	Gal/HR	#2 Oil
052	YORK-SHIPLEY BOILER BLDG 57	6.300	MMBTU/HR	
		6.200	MCF/HR	Natural Gas
		45.330	Gal/HR	#2 Oil
053	YORK-SHIPLEY BOILER BLDG 57	6.300	MMBTU/HR	
		6.200	MCF/HR	Natural Gas
		45.330	Gal/HR	#2 Oil
083	SMITH BOILER BLDG 5316	3.500	MMBTU/HR	
		38.700	Gal/HR	Propane
086	(35) BOILERS 2.5 MMBTU/HR OR LESS	24.300	MMBTU/HR	
		14.900	MCF/HR	Natural Gas
		10.700	Gal/HR	#2 Oil
		83.100	Gal/HR	Propane
087	(9) BOILERS >2.5 AND <50 MMBTU/HR	33.000	MMBTU/HR	
		26.300	MCF/HR	Natural Gas
		43.900	Gal/HR	#2 Oil
		37.600	Gal/HR	Propane
088	(333) PROPANE / NATURAL GAS HEATERS	11.000	MMBTU/HR	
		77.900	Gal/HR	PROPANE

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput		Fuel/Material
		4.100	MCF/HR	Natural Gas
102B	COATING BOOTH #U8145 IN BLDG 57 (BOOTH 1)	20.000	Lbs/HR	VOC IN COATING
103B	COATING BOOTH #U8146 IN BLDG 57 (BOOTH 2)	20.000	Lbs/HR	VOC IN COATING
106	PAINT BOOTH 59 BLDG 350	20.000	Lbs/HR	VOC IN COATING
107	PAINT BOOTH 60 BLDG 350	20.000	Lbs/HR	VOC IN COATING
108	PAINT BOOTH 61 BLDG 350	20.000	Lbs/HR	VOC IN COATING
109A	PAINT BOOTH 58 BLDG 350	20.000	Lbs/HR	VOC IN COATING
111	PAINT BOOTH 3886 BLDG 320	20.000	Lbs/HR	VOC IN COATING
112	PAINT BOOTH 3880 BLDG 320	20.000	Lbs/HR	VOC IN COATING
113	PAINT BOOTH 3882 BLDG 320	20.000	Lbs/HR	VOC IN COATING
114	PAINT BOOTH 3885 BLDG 320	20.000	Lbs/HR	VOC IN COATING
121	PAINT BOOTH 3881 BLDG 320	20.000	Lbs/HR	VOC IN COATING
122	PAINT BOOTH 4378 BLDG 320	20.000	Lbs/HR	VOC IN COATING
123	PAINT BOOTH 200 BLDG 370	40.000	Lbs/HR	VOC IN COATING
125	PAINT BOOTH 2813 BLDG 370	20.000	Lbs/HR	VOC IN COATING
126	PAINT BOOTH 4298 BLDG 370	20.000	Lbs/HR	VOC IN COATING
128	PAINT BOOTH 4226 BLDG 37	20.000	Lbs/HR	VOC IN COATING
131	PAINT BOOTH 6744 BLDG 37	20.000	Lbs/HR	VOC IN COATING
132	PAINT BOOTH 3884 BLDG 320	20.000	Lbs/HR	VOC IN COATING
137	PAINT BOOTH 8052 BLDG 37	20.000	Lbs/HR	VOC IN COATING
140	PAINT BOOTHS IN AMMO AREA	20.000	Lbs/HR	VOC IN COATING
142	PAINT BOOTH 3883 BLDG 320	20.000	Lbs/HR	VOC IN COATING
143	INDUSTRIAL WASTE WATER TREATMENT PLANT			
144	SPECIALTY COATINGS/STENCILING INKS			
145	PHOTOGRAPHIC/PRINTING OPERATIONS			
146	EMERGENCY C I ICE			
147	(12) DIESEL ENGINE TEST CELLS			
148	METAL PRETREATMENT ACID WASH			
149	(2) FLAME SPRAY BOOTH			
200	PAINT BOOTH 4757 BLDG 370	20.000	Lbs/HR	VOC IN COATING
201	POWDER COATING BOOTH R4247 BLDG 370	20.000	Lbs/HR	COATING SOLIDS
202	PAINT BOOTH S3599 BLDG 1N	20.000	Lbs/HR	VOC IN COATING
203	PAINT BOOTH 3155 BLDG 5807	0.500	Lbs/HR	VOC IN COATING
204	BLDG. 350 STAND-ALONE PAINT BOOTH	2.240	Lbs/HR	VOCS
205	BLDG 320 IR DRYING/COATING BOOTH #4115			
300	PAINTING OUTSIDE BOOTHS	20.000	Lbs/HR	VOC IN COATING
301A	CLEAN UP SOLVENTS	5.600	Lbs/HR	SOLVENT
302	STATIC FIRING	3,000.000	Lbs/HR	ROCKET MOTOR FL
401A	OPEN BURNING/FLASH OFF OF MILITARY	10.000	Tons/HR	PROPELLANT
401B	OPEN DETONATION	10.000	Tons/HR	ORDNANCE

**SECTION A. Site Inventory List**

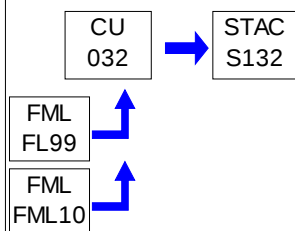
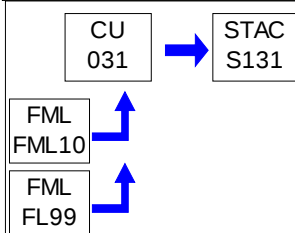
Source ID	Source Name	Capacity/Throughput	Fuel/Material
401C	FLASHING FURNACE		
419	COLD CLEANING MACHINES		
420	ABOVE GROUND GASOLINE STORAGE TANKS > 2000 GALLONS		
421A	TWO PAINT STRIPPING TANKS, T-1 & T-2, BLDG 377	3.420 Lbs/HR	VOC
422	AP ROCKET MOTOR DESTRUCTION FACILITY		
423	ONE PAINT STRIPPING TANK, DT-12 - BLDG 350 MTA	2.330 Lbs/HR	VOC
C06	DRY FILTERS		
C07	DRY FILTERS		
C08	DRY FILTERS		
C102B	DRY FILTERS		
C103B	DRY FILTERS		
C109A	DRY FILTERS		
C11	DRY FILTERS		
C12	DRY FILTERS		
C13	DRY FILTERS		
C14	DRY FILTERS		
C149	CANISTER FILTERS		
C200	DRY FILTERS		
C201	DRY FILTERS		
C202	DRY FILTERS		
C203	DRY FILTERS		
C204	DRY FILTERS		
C205	DRY FILTERS		
C21	DRY FILTERS		
C22	DRY FILTERS		
C23	DRY FILTERS		
C25	DRY FILTERS		
C26	DRY FILTERS		
C28	DRY FILTERS		
C31	DRY FILTERS		
C37	DRY FILTERS		
C40	DRY FILTERS		
C42	DRY FILTERS		
C422	POLLUTION ABATEMENT SYSTEM (PAS)		
C52	DRY FILTERS		
FL99	NO. 2 OIL		
FM004	PROPANE STORAGE TANKS		
FML03	DIESEL FUEL		
FML10	NATURAL GAS		

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S06	PRINTING OPERATIONS		
S07	EMERGENCY GEN STACKS		
S102B	COATING BOOTH STACK		
S103B	COATING BOOTH STACK		
S106A	PAINT BOOTH 59 STACK		
S107	PAINT BOOTH 60 STACK		
S108	PAINT BOOTH 61 STACK		
S109A	PAINT BOOTH 58 STACK		
S11	PAINT BOOTH 3886		
S12	PAINT BOOTH 3880		
S13	PAINT BOOTH 3882		
S131	BOILER BLDG 1		
S132	BOILER BLDG 1		
S137	BOILER BLDG 3		
S14	PAINT BOOTH 3885		
S147	ENGINE TEST CELLS		
S149	FLAME BOOTHS		
S200	PAINT BOOTH 4757		
S201	POWDER COATING AREA		
S202	PAINT BOOTH STACK		
S203	PAINT BOOTH STACK		
S204	STACK EMISSIONS FROM SOURCE ID 204		
S205	BLDG 320 IR DRYING/COATING BOOTH STACK		
S21	PAINT BOOTH 3881		
S22	PAINT BOOTH 4378		
S23	PAINT BOOTH 200		
S25	PAINT BOOTH 2813		
S26	PAINT BOOTH 4298		
S28	PAINT BOOTH 4226		
S31	PAINT BOOTH 6744		
S32	PAINT BOOTH 3884		
S36	BOILER BLDG 3		
S37	PAINT BOOTH 8052		
S40	PAINT BOOTHS AMMO AREA		
S401C	FLASHING FURNACE STACK		
S41	BOILER BLDG 12		
S42	BOILER BLDG 12		
S421A	STACK EMISSIONS FROM PAINT STRIPPING TANKS		
S422	AP ROCKET MOTOR DESTRUCTION FACILITY STACK		
S423	PAINT STRIPPING TANK STACK		

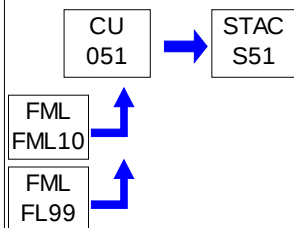
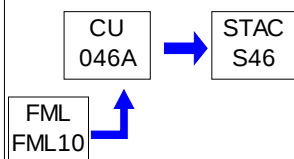
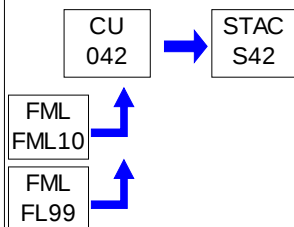
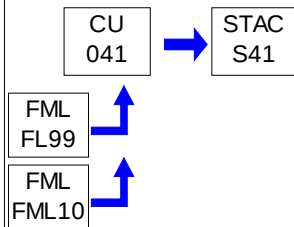
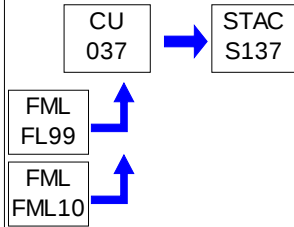
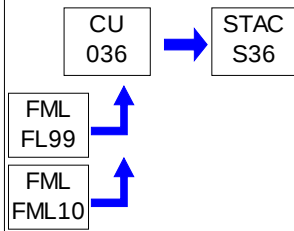
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S46	BOILER BLDG 37SW		
S51	BOILER BLDG 51		
S52	YORK-SHIPLEY BOILER BLDG 57		
S53	YORK-SHIPLEY BOILER BLDG 57		
S83	BOILER BLDG 5316		
S86	BOILERS SOURCE 086		
S87	BOILERS SOURCE 087		
S88	PROPANE UNITS		
T42	PAINT BOOTH 3883		
Z01	IWTP FUGITIVE EMISSIONS		
Z02	SPEC.COATINGS/STENC.INKS		
Z07	OUTSIDE BOOTHS		
Z09	CLEAN-UP SOLVENTS		
Z148	FUGITIVE ACID WASH EMISSIONS		
Z302	STATIC FIRING OF ROCKET		
Z401A	OPEN BURNING		
Z401B	OPEN DETONATION		
Z420	FUGITIVE TANK EMISSIONS		
Z421A	FUGITIVE EMISSIONS FROM PAINT STRIPPING TANKS		
Z423	FUGITIVE EMISSIONS FROM PAINT STRIPPING TANK		

PERMIT MAPS

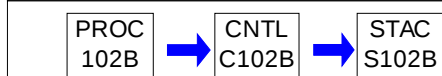
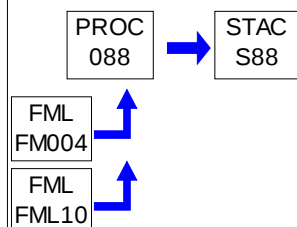
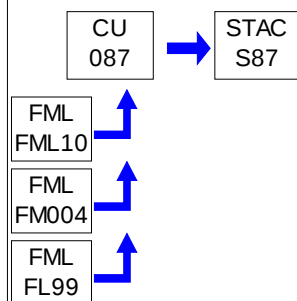
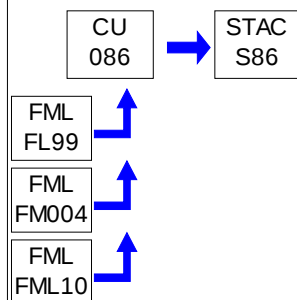
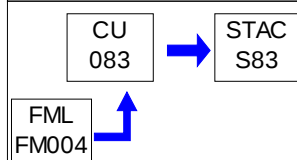
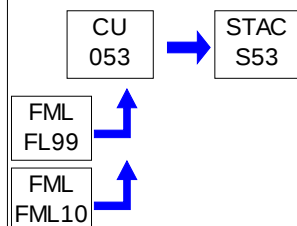
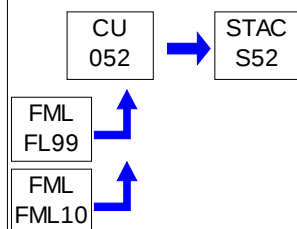


PERMIT MAPS





PERMIT MAPS



**PERMIT MAPS**

PROC
103B → CNTL
C103B → STAC
S103B

PROC
106 → CNTL
C06 → STAC
S106A

PROC
107 → CNTL
C07 → STAC
S107

PROC
108 → CNTL
C08 → STAC
S108

PROC
109A → CNTL
C109A → STAC
S109A

PROC
111 → CNTL
C11 → STAC
S11

PROC
112 → CNTL
C12 → STAC
S12

PROC
113 → CNTL
C13 → STAC
S13

PROC
114 → CNTL
C14 → STAC
S14

PROC
121 → CNTL
C21 → STAC
S21

PROC
122 → CNTL
C22 → STAC
S22

PROC
123 → CNTL
C23 → STAC
S23

PROC
125 → CNTL
C25 → STAC
S25

PROC
126 → CNTL
C26 → STAC
S26

PROC
128 → CNTL
C28 → STAC
S28



PERMIT MAPS

PROC 131 → CNTL C31 → STAC S31

PROC 132 → CNTL C52 → STAC S32

PROC 137 → CNTL C37 → STAC S37

PROC 140 → CNTL C40 → STAC S40

PROC 142 → CNTL C42 → STAC T42

PROC 143 → STAC Z01

PROC 144 → STAC Z02

PROC 145 → STAC S06

PROC 146 → STAC S07

FML FML03 →

PROC 147 → STAC S147

FML FML03 →

PROC 148 → STAC Z148

PROC 149 → CNTL C149 → STAC S149

PROC 200 → CNTL C200 → STAC S200

PROC 201 → CNTL C201 → STAC S201



PERMIT MAPS

PROC 202 → CNTL C202 → STAC S202

PROC 203 → CNTL C203 → STAC S203

PROC 204 → CNTL C204 → STAC S204

FML
FML10

PROC 205 → CNTL C205 → STAC S205

PROC 300 → STAC Z07

PROC 301A → STAC Z09

PROC 302 → STAC Z302

PROC 401A → STAC Z401A

PROC 401B → STAC Z401B

PROC 401C → STAC S401C

PROC 420 → STAC Z420

PROC 421A → STAC S421A
STAC Z421A

PROC 422 → CNTL C422 → STAC S422



PERMIT MAPS

PROC
423



STAC
S423

STAC
Z423

**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 Air Pollution Control Act (35 P.S. §§ 4001-4015).

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

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

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

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

#005 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e), 127.503 & 127.704(b)]**Permit Renewal**

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

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.

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

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

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

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

(1) The Department determines that no other change in the permit is necessary;

(2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee; and,

(3) A compliance review form has been submitted to the Department and the permit transfer has been approved by

**SECTION B. General Title V Requirements**

the Department.

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

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

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

(1) Enter at reasonable times upon the permittee's premises where a Title V source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;

(2) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;

(4) Sample or monitor, at reasonable times, substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

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

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

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

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

(1) Enforcement action

(2) Permit termination, revocation and reissuance or modification

(3) Denial of a permit renewal application

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

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

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

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

**SECTION B. General Title V Requirements****#010 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]****Duty to Provide Information**

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

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

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

(a) This Title V permit may be modified, revoked, reopened and reissued or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay a permit condition.

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

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

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

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

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

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

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

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

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

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

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

R3_Air_Apps_and_Notices@epa.gov

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

**SECTION B. General Title V Requirements****#014 [25 Pa. Code § 127.541]****Significant Operating Permit Modifications**

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 25 Pa. Code § 127.541. Notifications to EPA, pursuant to 25 PA Code §127.522(a), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

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

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

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

R3_Air_Apps_and_Notices@epa.gov

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

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

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

R3_Air_Apps_and_Notices@epa.gov

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

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

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

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

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

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees). The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

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

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

**SECTION B. General Title V Requirements**

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

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

(1) Eight thousand dollars (\$8,000) for calendar years 2021—2025.

(2) Ten thousand dollars (\$10,000) for calendar years 2026—2030.

(3) Twelve thousand five hundred dollars (\$12,500) for the calendar years beginning with 2031.

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

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

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

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

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

(1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.

(2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

(3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.

(4) Space heaters which heat by direct heat transfer.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the

**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 §§ 127.511 & Chapter 135]**Recordkeeping Requirements**

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

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

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(5) The results of the analyses.

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

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

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

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

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

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

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

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

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

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

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

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department in accordance with the submission requirements specified in Section B, Condition #022 of this permit. The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

**SECTION B. General Title V Requirements****#027 [25 Pa. Code § 127.3]****Operational Flexibility**

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

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)
- (6) Section 127.462 (relating to minor operating permit amendments)
- (7) Subchapter H (relating to general plan approvals and operating permits)

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

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

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

- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
 - (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
 - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

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

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

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

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

- (1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,
- (2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

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

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

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

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Section B, Condition #026 of this permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

No person may emit any fugitive air contaminant into the outdoor atmosphere from the sources 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) Sources and classes of sources other than those identified in paragraphs (1) - (6), above for which the operator has obtained a determination from the Department in accordance with 25 Pa Code Section 123.1(b) 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 standard.

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

No person may permit fugitive particulate matter emissions into the outdoor atmosphere from a source specified in the preceding permit condition #001, if such emissions are visible at the point the emissions pass outside the person's property.

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

No person may emit any malodorous air contaminants into the outdoor atmosphere from any source in such a manner that the malodors are detectable outside the property of the permittee on whose land the source is being operated.

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

No person shall permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

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

[Compliance with the requirement specified in this streamlined permit condition assures compliance with Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, as per 40 CFR Part 60.43c.]

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

The emission limitations of site level condition # 004 shall not apply when:

**SECTION C. Site Level Requirements**

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

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for the following condition is derived from plan approval Nos. 28-02002M and 28-05002J]

Actual Sulfur Oxide (SO_x) emissions at the facility shall be limited to less than 250 tons per year based on a 12-month rolling total.

Compliance verification requires SO_x emissions to be calculated for each month and each consecutive 12-month period on a source by source basis. Calculation records shall be maintained on-site for the most recent five-year period and made available to Department representatives upon request.

II. TESTING REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The Department reserves the right to require exhaust stack testing of the source(s) as necessary during the permit term to verify emissions for purposes including emission fees, malfunctions or permit condition violations.

III. MONITORING REQUIREMENTS.**# 008 [25 Pa. Code §123.43]****Measuring techniques**

The permittee shall measure visible emissions 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 as per EPA Method 9, or with the aid of any approved by the Department.

009 [25 Pa. Code §123.43]**Measuring techniques**

The permittee shall conduct a weekly inspection around the plant periphery during daylight hours when the plant is in production to detect visible emissions, fugitive visible emissions, and malodorous emissions as follows:

- (a) Visible emissions in excess of the limits stated in Site Level, condition #004. Visible emissions may be measured according to the methods specified in Site Level condition #008 or alternately, plant personnel who observe such emissions may report the incident of visible emissions to the Department within two (2) hours of each incident, and make arrangements for a certified observer to verify the visible emissions.
- (b) The presence of fugitive emissions visible beyond the plant boundaries as stated in Site Level condition # 002.
- (c) The presence of malodorous air emissions beyond the plant boundaries as stated in Site Level condition #003.

**SECTION C. Site Level Requirements****# 010 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall monitor monthly emissions and keep records of the following:

1. Total combined NO_x emissions at the facility.
2. 12-month rolling totals of emissions for any sources or groups of sources that have limits expressed in those units.

The records shall be kept at the site and submitted to the Department upon request.

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

(a) The permittee shall maintain a logbook for recording the status of malodorous air contaminants, visible emissions, and visible fugitive emission exceedences.

(b) The logbook shall include the name of the company representative, the date and time the monitoring was conducted, wind direction and actions taken to correct the problem.

012 [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 Sections 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.

V. REPORTING REQUIREMENTS.**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

All reports, submittals, and other communications to the Altoona District Supervisor shall be submitted at the following address, unless otherwise specified:

PA DEP
Altoona District Office
3001 Fairway Drive
Altoona, PA 16602

014 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

The permittee shall report malfunctions which occur at the facility to the DEP. A malfunction is 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 that may result in an increase in air emissions above minor significance. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. Malfunctions shall be reported as follows:

(a) Malfunctions which pose an imminent danger to public health, safety, welfare and the environment, shall be immediately reported to the DEP by telephone. The telephone report of such malfunctions shall occur no later than two hours after discovery of the incident. Telephone reports can be made to the Air Quality Program at (814) 946-7294 during normal business hours, or to the DEP's Emergency Hotline 866-825-0208 at any time. The Emergency Hotline phone number is changed/updated periodically. The current Emergency Hotline phone number can be found at <https://www.dep.pa.gov/About/Regional/SouthcentralRegion/Pages/default.aspx>.

**SECTION C. Site Level Requirements**

- (1) The notice shall describe the:
 - (i) name and location of the facility;
 - (ii) nature and cause of the malfunction or breakdown;
 - (iii) time when the malfunction or breakdown was first observed;
 - (iv) expected duration of excess emissions; and
 - (v) estimated rate of emissions.
 - (2) The owner or operator shall notify the DEP immediately when corrective measures have been accomplished.
 - (3) The permittee shall submit a written report of instances of such malfunctions to the DEP, in writing, within three (3) days of the of the telephone report.
 - (4) The owner or operator shall submit reports on the operation and maintenance of the source to the Regional Air Program Manager at such intervals and in such form and detail as may be required by the DEP. Information required in the reports may include, but is not limited to, process weight rates, firing rates, hours of operation, and maintenance schedules.
- (b) Unless otherwise required by this permit, any other malfunction that is not subject to the reporting requirements of (a) above, shall be reported to the DEP, in writing, within five (5) days of discovery of the malfunction.
- (c) Unless otherwise specified by the DEP, malfunctions shall be reported electronically to the DEP at the following email address: jpiptaiii@pa.gov

VI. WORK PRACTICE REQUIREMENTS.**# 015 [25 Pa. Code §129.14]****Open burning operations**

- (a) No person shall permit the open burning of material in such a manner that:
- (1) The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.
 - (2) Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.
 - (3) The emissions interfere with the reasonable enjoyment of life or property.
 - (4) The emissions cause damage to vegetation or property.
 - (5) The emissions are or may be deleterious to human or animal
- (b) Exceptions: The requirements of subsections (a) 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.
 - (2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
 - (3) A fire set for the prevention and control of disease or pests, when approved by the Department.
 - (4) A fire set solely for recreational or ceremonial purposes.
 - (5) A fire set solely for cooking food.
- (c) This permit does not constitute authorization to burn solid waste pursuant to section 610 (3) of the Solid Waste

**SECTION C. Site Level Requirements**

Management Act 35 P.S. Section 6018.610 (3), or any other provision of the Solid Waste Management Act.

VII. ADDITIONAL REQUIREMENTS.

016 [25 Pa. Code §135.21]

Emission statements

Per Site Level Category VIII COMPLIANCE CERTIFICATION below, forward EPA the annual compliance certification report electronically, in lieu of a hard copy version, to the email address: 'R3_APD_Permits@epa.gov'.

VIII. COMPLIANCE CERTIFICATION.

The permittee shall submit within thirty days of 01/01/2024 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #026 of section B of this permit, and annually thereafter.

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

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

**SECTION D. Source Level Requirements**

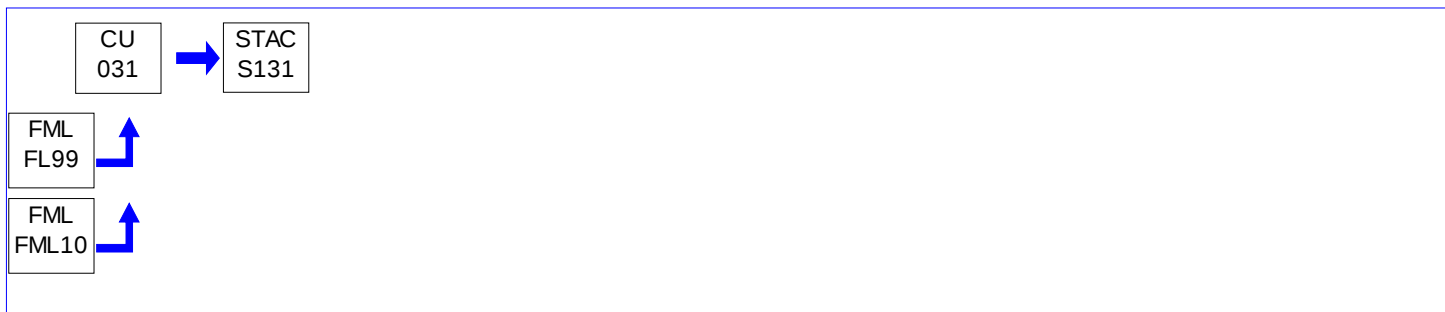
Source ID: 031

Source Name: JOHNSON BOILER BLDG 1

Source Capacity/Throughput:	4.200	MMBTU/HR	
	27.300	Gal/HR	#2 Oil
	4.200	MCF/HR	Natural Gas

Conditions for this source occur in the following groups:

- GROUP 004
- GROUP 011
- GROUP 017
- GROUP 019
- GROUP 020
- GROUP 021

**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.

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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).

**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: 032

Source Name: JOHNSON BOILER BLDG 1

Source Capacity/Throughput:	4.200	MMBTU/HR	
	27.300	Gal/HR	#2 Oil
	4.200	MCF/HR	Natural Gas

Conditions for this source occur in the following groups:

- GROUP 004
- GROUP 011
- GROUP 017
- GROUP 019
- GROUP 020
- GROUP 021

**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.

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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).

**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**

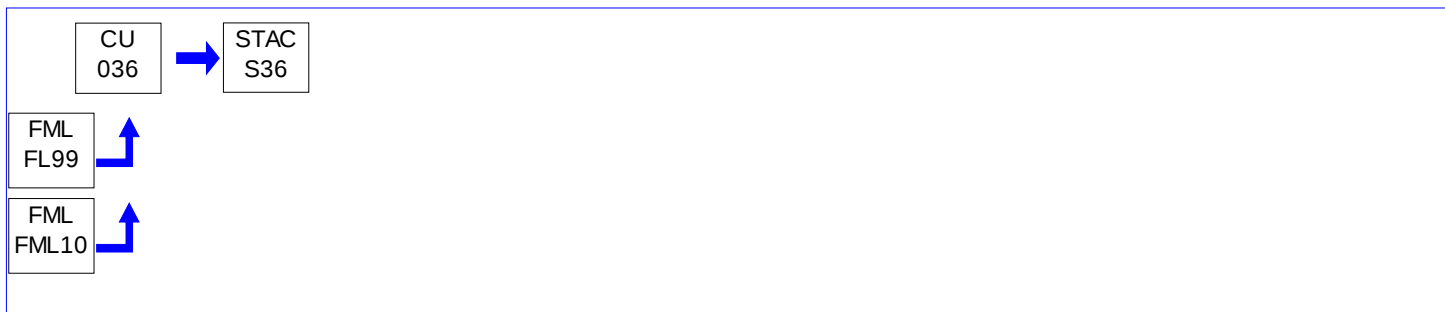
Source ID: 036

Source Name: JOHNSON BOILER BLDG 3

Source Capacity/Throughput:	5.200	MMBTU/HR	
	5.200	MCF/HR	Natural Gas
	37.100	Gal/HR	#2 Oil

Conditions for this source occur in the following groups:

- GROUP 004
- GROUP 011
- GROUP 017
- GROUP 019
- GROUP 020
- GROUP 021

**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.

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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).

**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**

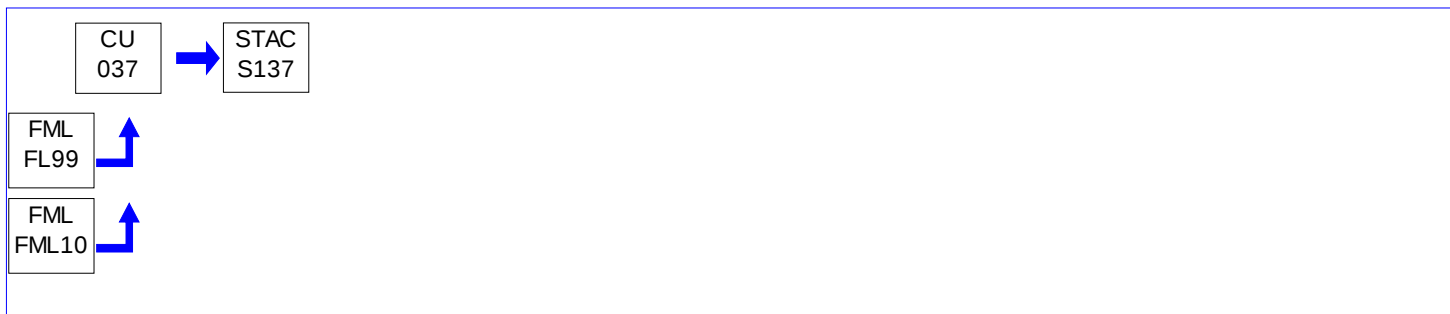
Source ID: 037

Source Name: JOHNSON BOILER BLDG 3

Source Capacity/Throughput:	5.200	MMBTU/HR	
	5.200	MCF/HR	Natural Gas
	37.100	Gal/HR	#2 Oil

Conditions for this source occur in the following groups:

- GROUP 004
- GROUP 011
- GROUP 017
- GROUP 019
- GROUP 020
- GROUP 021

**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).

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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).

**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**

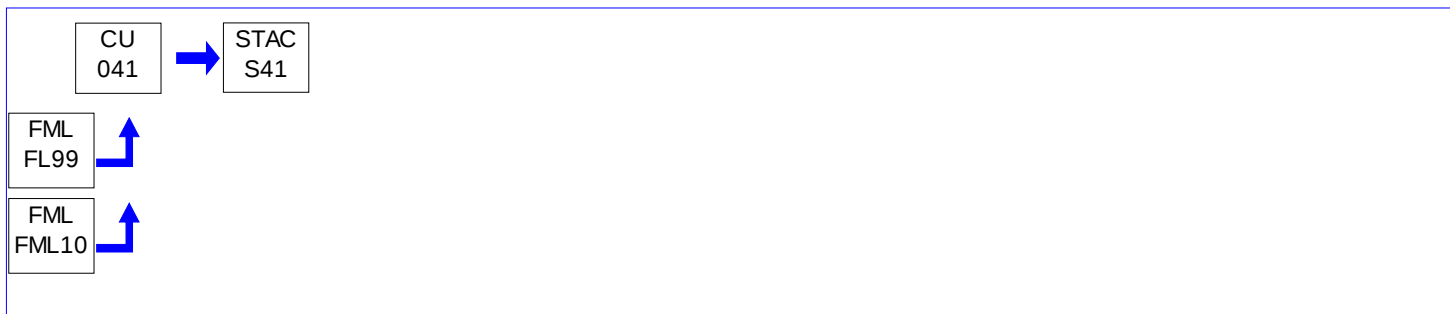
Source ID: 041

Source Name: SMITH BOILER BLDG 12

Source Capacity/Throughput:	3.800	MMBTU/HR	
	27.300	Gal/HR	#2 Oil
	3.700	MCF/HR	Natural Gas

Conditions for this source occur in the following groups:

- GROUP 004
- GROUP 011
- GROUP 017
- GROUP 019
- GROUP 020
- GROUP 021

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

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

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

**SECTION D. Source Level Requirements**

Source ID: 042

Source Name: SMITH BOILER BLDG 12

Source Capacity/Throughput:	3.800	MMBTU/HR	
	27.300	Gal/HR	#2 Oil
	3.700	MMCF/HR	Natural Gas

Conditions for this source occur in the following groups:

- GROUP 004
- GROUP 011
- GROUP 017
- GROUP 019
- GROUP 020
- GROUP 021

**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).

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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).

**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: 046A

Source Name: C-B BOILER BLDG 37SW

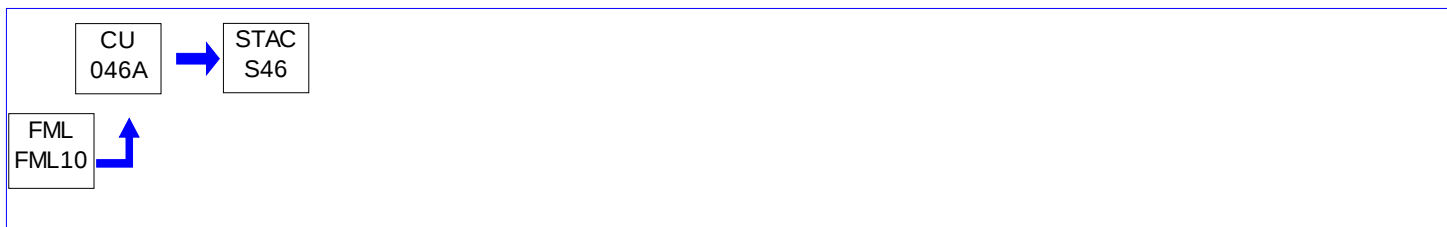
Source Capacity/Throughput:

8.200 MMBTU/HR

8.000 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: GROUP 004
GROUP 011
GROUP 019
GROUP 020
GROUP 021

**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).

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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.

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**

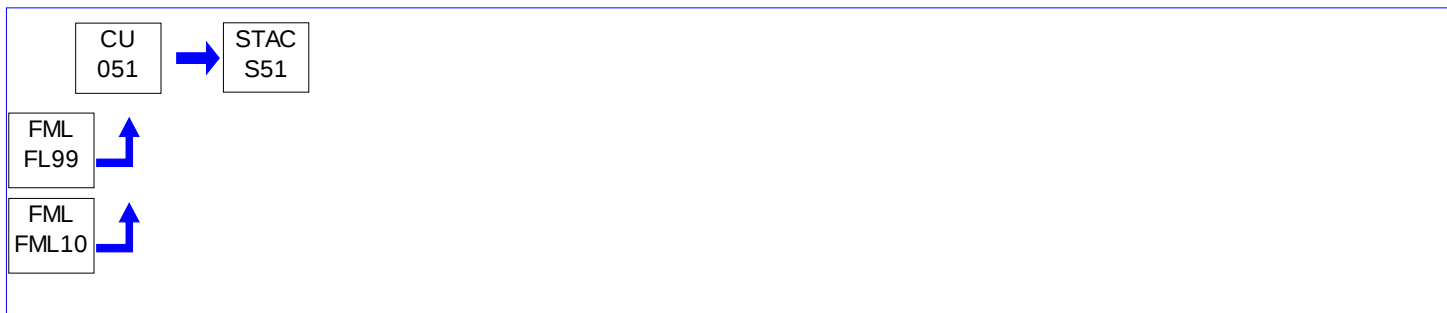
Source ID: 051

Source Name: SMITH BOILER BLDG 51

Source Capacity/Throughput:	4.100	MMBTU/HR	
	4.000	MCF/HR	Natural Gas
	29.500	Gal/HR	#2 Oil

Conditions for this source occur in the following groups:

- GROUP 004
- GROUP 011
- GROUP 019
- GROUP 020
- GROUP 021

**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.

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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).

**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**

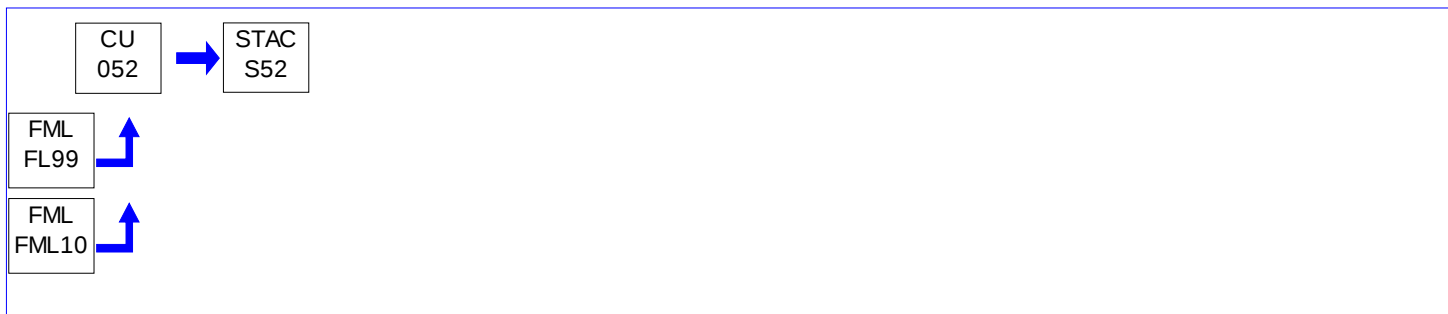
Source ID: 052

Source Name: YORK-SHIPLEY BOILER BLDG 57

Source Capacity/Throughput:	6.300	MMBTU/HR	
	6.200	MCF/HR	Natural Gas
	45.330	Gal/HR	#2 Oil

Conditions for this source occur in the following groups:

- GROUP 004
- GROUP 011
- GROUP 017
- GROUP 019
- GROUP 020
- GROUP 021

**I. RESTRICTIONS.**

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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).

**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**

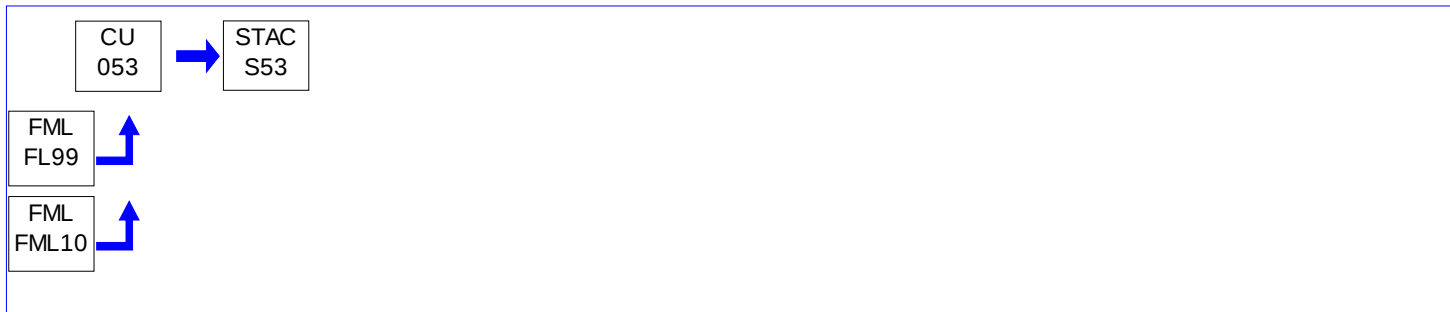
Source ID: 053

Source Name: YORK-SHIPLEY BOILER BLDG 57

Source Capacity/Throughput:	6.300	MMBTU/HR	
	6.200	MCF/HR	Natural Gas
	45.330	Gal/HR	#2 Oil

Conditions for this source occur in the following groups:

- GROUP 004
- GROUP 011
- GROUP 017
- GROUP 019
- GROUP 020
- GROUP 021

**I. RESTRICTIONS.**

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**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: 083

Source Name: SMITH BOILER BLDG 5316

Source Capacity/Throughput:

3.500 MMBTU/HR

38.700 Gal/HR

Propane

Conditions for this source occur in the following groups: GROUP 004

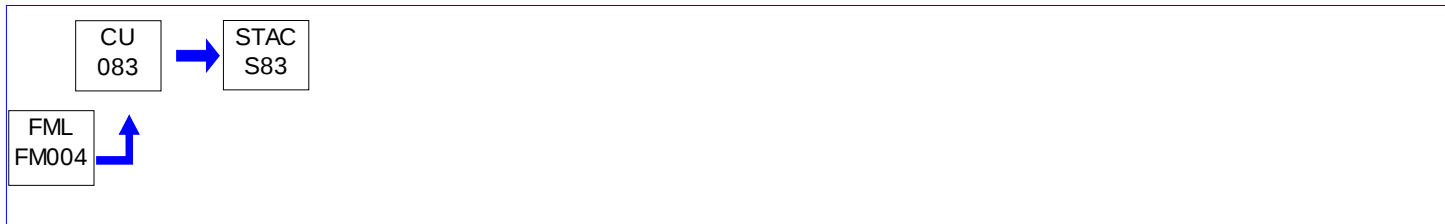
GROUP 011

GROUP 017

GROUP 019

GROUP 020

GROUP 021

**I. RESTRICTIONS.**

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V. REPORTING REQUIREMENTS.

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VI. WORK PRACTICE REQUIREMENTS.

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VII. ADDITIONAL REQUIREMENTS.

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

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

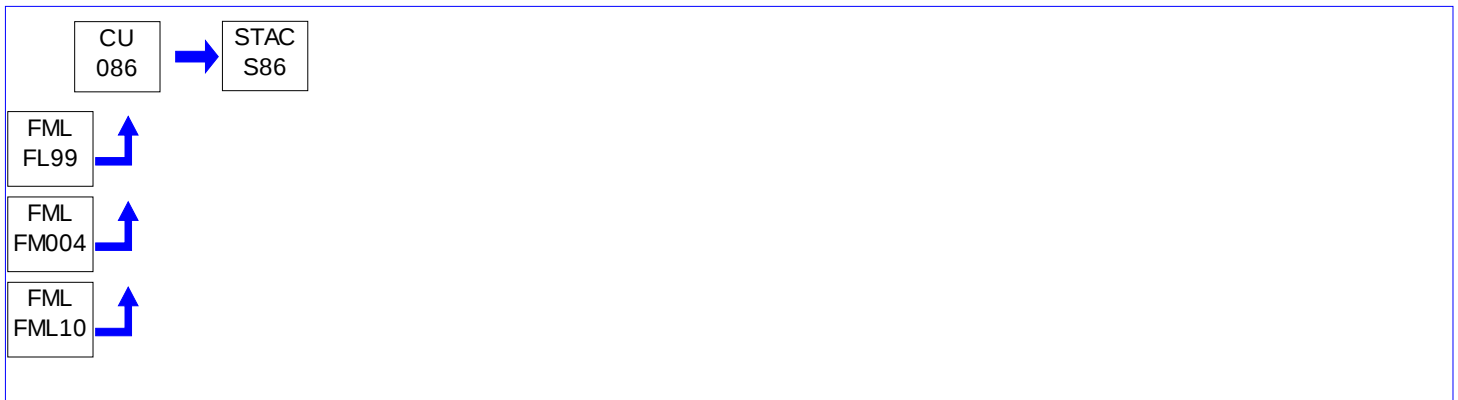
**SECTION D. Source Level Requirements**

Source ID: 086

Source Name: (35) BOILERS 2.5 MMBTU/HR OR LESS

Source Capacity/Throughput:	24.300	MMBTU/HR	
	14.900	MCF/HR	Natural Gas
	10.700	Gal/HR	#2 Oil
	83.100	Gal/HR	Propane

Conditions for this source occur in the following groups: GROUP 011
GROUP 017
GROUP 019
GROUP 020
GROUP 021

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.22]****Combustion units**

No person shall permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from each of the above boilers in excess of the rate of 4 lbs./mmBtu of heat input over any 1-hour period.

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

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

The sulfur content of the #2 fuel oil fired in each of the above boilers shall not, at any time, exceed 0.05% by weight.

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

The permittee shall monitor the sulfur content in the No. 2 commercial fuel oil for each fuel oil shipment by one of the following:

(a) laboratory fuel oil analysis, or

**SECTION D. Source Level Requirements**

(b) fuel supplier's certification

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain records of fuel oil analysis, or fuel certifications for all fuel oil deliveries for the most recent five year period.

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.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(1) The above boilers shall be operated on No. 2 fuel oil, natural gas, or propane only.

(2) The above boilers are units which are equal to or less than 2.5 mmBtu/hr and are identified by size and building location in Section H of this Title V operating permit.

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

**SECTION D. Source Level Requirements**

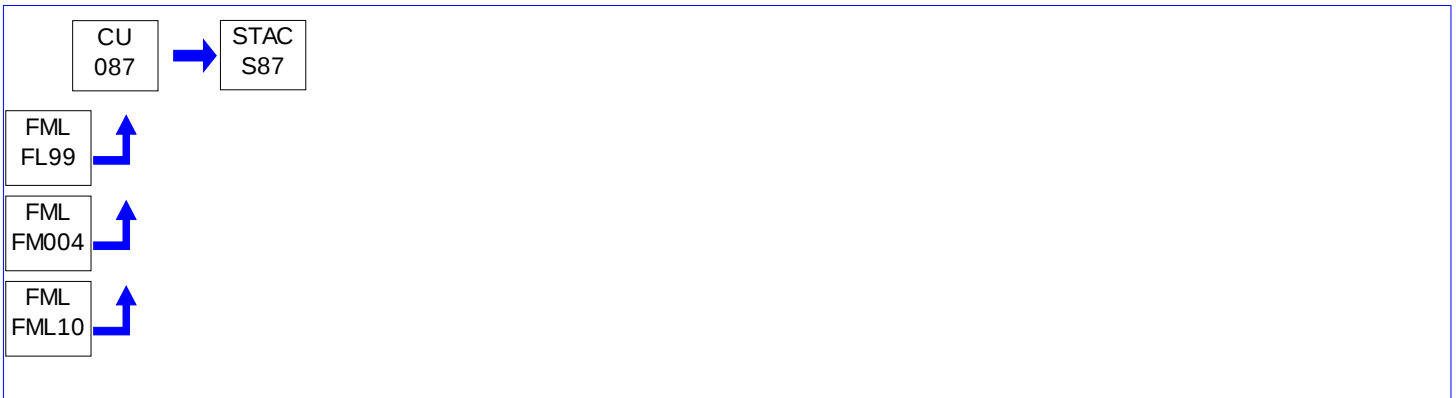
Source ID: 087

Source Name: (9) BOILERS >2.5 AND <50 MMBTU/HR

Source Capacity/Throughput:	33.000	MMBTU/HR	
	26.300	MCF/HR	Natural Gas
	43.900	Gal/HR	#2 Oil
	37.600	Gal/HR	Propane

Conditions for this source occur in the following groups:

- GROUP 004
- GROUP 011
- GROUP 017
- GROUP 019
- GROUP 020
- GROUP 021

**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).

**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. *****

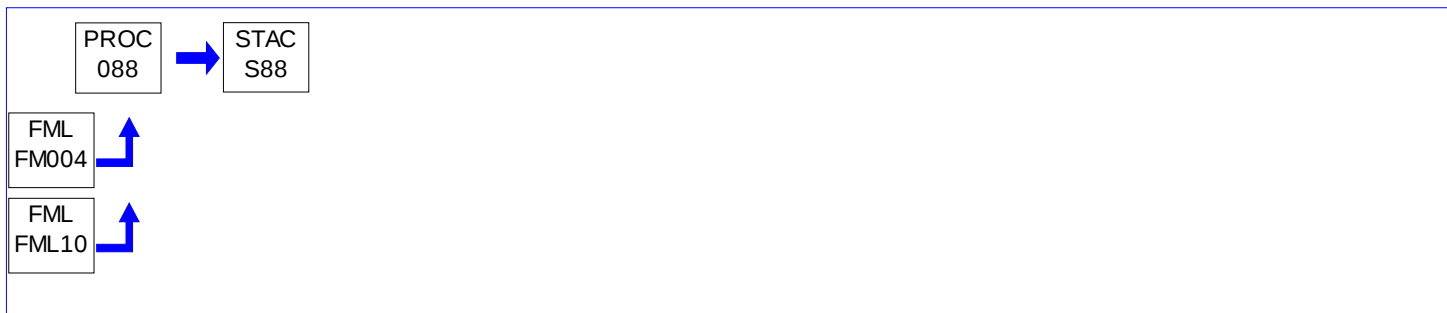
**SECTION D. Source Level Requirements**

Source ID: 088

Source Name: (333) PROPANE / NATURAL GAS HEATERS

Source Capacity/Throughput:	11.000	MMBTU/HR	
	77.900	Gal/HR	PROPANE
	4.100	MCF/HR	Natural Gas

Conditions for this source occur in the following groups: GROUP 011
GROUP 020
GROUP 021

**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 each of the above propane/natural gas heaters, at any time, in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

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

No person shall permit the emission from each of the propane/natural gas heaters into the outdoor atmosphere in a manner that the concentration of sulfur oxides (SO_x), expressed as SO₂, in the effluent gas is in excess of 500 parts per million, by volume, dry basis.

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

The Department reserves the right to require any additional exhaust stack testing of the above propane/natural gas heater(s) as necessary during the permit term to verify emissions for purposes including emission fees, malfunctions, and/or permit condition violations.

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

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

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (1) The above propane heaters shall be operated on Propane Gas or Natural Gas only.
- (2) The above propane/natural gas heaters are identified by size, building location and fuel type in Section H of this Title V operating permit.

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

**SECTION D. Source Level Requirements**

Source ID: 102B

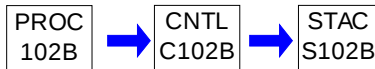
Source Name: COATING BOOTH #U8145 IN BLDG 57 (BOOTH 1)

Source Capacity/Throughput:

20.000 Lbs/HR

VOC IN COATING

Conditions for this source occur in the following groups: GROUP 006
GROUP 016
GROUP 018
GROUP 020
GROUP 021

**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: 103B

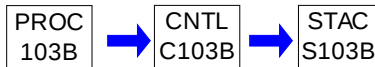
Source Name: COATING BOOTH #U8146 IN BLDG 57 (BOOTH 2)

Source Capacity/Throughput:

20.000 Lbs/HR

VOC IN COATING

Conditions for this source occur in the following groups: GROUP 006
GROUP 016
GROUP 018
GROUP 020
GROUP 021

**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: 106

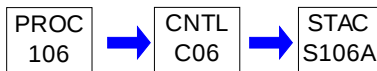
Source Name: PAINT BOOTH 59 BLDG 350

Source Capacity/Throughput:

20.000 Lbs/HR

VOC IN COATING

Conditions for this source occur in the following groups: GROUP 006
GROUP 016
GROUP 017
GROUP 020
GROUP 021

**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: 107

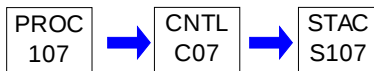
Source Name: PAINT BOOTH 60 BLDG 350

Source Capacity/Throughput:

20.000 Lbs/HR

VOC IN COATING

Conditions for this source occur in the following groups: GROUP 006
GROUP 016
GROUP 017
GROUP 020
GROUP 021

**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: 108

Source Name: PAINT BOOTH 61 BLDG 350

Source Capacity/Throughput:

20.000 Lbs/HR

VOC IN COATING

Conditions for this source occur in the following groups: GROUP 006
GROUP 016
GROUP 017
GROUP 020
GROUP 021

PROC
108CNTL
C08STAC
S108**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: 109A

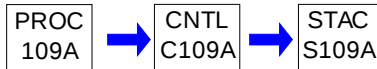
Source Name: PAINT BOOTH 58 BLDG 350

Source Capacity/Throughput:

20.000 Lbs/HR

VOC IN COATING

Conditions for this source occur in the following groups: GROUP 006
GROUP 016
GROUP 020
GROUP 021

**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: 111

Source Name: PAINT BOOTH 3886 BLDG 320

Source Capacity/Throughput:

20.000 Lbs/HR

VOC IN COATING

Conditions for this source occur in the following groups: GROUP 006
GROUP 016
GROUP 017
GROUP 020
GROUP 021

PROC
111CNTL
C11STAC
S11**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: 112

Source Name: PAINT BOOTH 3880 BLDG 320

Source Capacity/Throughput:

20.000 Lbs/HR

VOC IN COATING

Conditions for this source occur in the following groups: GROUP 006
GROUP 016
GROUP 017
GROUP 020
GROUP 021

PROC
112CNTL
C12STAC
S12**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: 113

Source Name: PAINT BOOTH 3882 BLDG 320

Source Capacity/Throughput:

20.000 Lbs/HR

VOC IN COATING

Conditions for this source occur in the following groups: GROUP 006
GROUP 016
GROUP 017
GROUP 020
GROUP 021

PROC
113CNTL
C13STAC
S13**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: 114

Source Name: PAINT BOOTH 3885 BLDG 320

Source Capacity/Throughput:

20.000 Lbs/HR

VOC IN COATING

Conditions for this source occur in the following groups: GROUP 006
GROUP 016
GROUP 017
GROUP 020
GROUP 021

PROC
114CNTL
C14STAC
S14**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: 121

Source Name: PAINT BOOTH 3881 BLDG 320

Source Capacity/Throughput:

20.000 Lbs/HR

VOC IN COATING

Conditions for this source occur in the following groups: GROUP 006
GROUP 016
GROUP 017
GROUP 020
GROUP 021

PROC
121CNTL
C21STAC
S21**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: 122

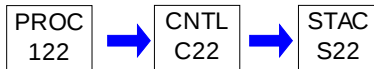
Source Name: PAINT BOOTH 4378 BLDG 320

Source Capacity/Throughput:

20.000 Lbs/HR

VOC IN COATING

Conditions for this source occur in the following groups: GROUP 006
GROUP 016
GROUP 017
GROUP 020
GROUP 021

**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: 123

Source Name: PAINT BOOTH 200 BLDG 370

Source Capacity/Throughput:

40.000 Lbs/HR

VOC IN COATING

Conditions for this source occur in the following groups: GROUP 006
GROUP 016
GROUP 017
GROUP 020
GROUP 021

PROC
123CNTL
C23STAC
S23**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: 125

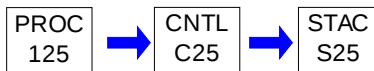
Source Name: PAINT BOOTH 2813 BLDG 370

Source Capacity/Throughput:

20.000 Lbs/HR

VOC IN COATING

Conditions for this source occur in the following groups: GROUP 006
GROUP 016
GROUP 017
GROUP 020
GROUP 021

**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: 126

Source Name: PAINT BOOTH 4298 BLDG 370

Source Capacity/Throughput:

20.000 Lbs/HR

VOC IN COATING

Conditions for this source occur in the following groups: GROUP 006
GROUP 016
GROUP 017
GROUP 020
GROUP 021

PROC
126CNTL
C26STAC
S26**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: 128

Source Name: PAINT BOOTH 4226 BLDG 37

Source Capacity/Throughput:

20.000 Lbs/HR

VOC IN COATING

Conditions for this source occur in the following groups: GROUP 006
GROUP 016
GROUP 017
GROUP 020
GROUP 021

PROC
128CNTL
C28STAC
S28**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 131

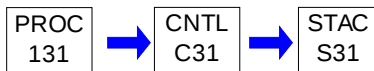
Source Name: PAINT BOOTH 6744 BLDG 37

Source Capacity/Throughput:

20.000 Lbs/HR

VOC IN COATING

Conditions for this source occur in the following groups: GROUP 006
GROUP 016
GROUP 017
GROUP 020
GROUP 021

**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: 132

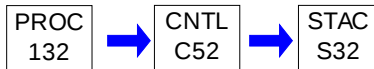
Source Name: PAINT BOOTH 3884 BLDG 320

Source Capacity/Throughput:

20.000 Lbs/HR

VOC IN COATING

Conditions for this source occur in the following groups: GROUP 006
GROUP 016
GROUP 017
GROUP 020
GROUP 021

**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: 137

Source Name: PAINT BOOTH 8052 BLDG 37

Source Capacity/Throughput:

20.000 Lbs/HR

VOC IN COATING

Conditions for this source occur in the following groups: GROUP 006
GROUP 016
GROUP 017
GROUP 020
GROUP 021

PROC
137CNTL
C37STAC
S37**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: 140

Source Name: PAINT BOOTHS IN AMMO AREA

Source Capacity/Throughput:

20.000 Lbs/HR

VOC IN COATING

Conditions for this source occur in the following groups: GROUP 006
GROUP 016
GROUP 017
GROUP 020
GROUP 021

PROC
140CNTL
C40STAC
S40**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: 142

Source Name: PAINT BOOTH 3883 BLDG 320

Source Capacity/Throughput:

20.000 Lbs/HR

VOC IN COATING

Conditions for this source occur in the following groups: GROUP 006
GROUP 016
GROUP 017
GROUP 020
GROUP 021

PROC
142CNTL
C42STAC
T42**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: 143

Source Name: INDUSTRIAL WASTE WATER TREATMENT PLANT

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 010
GROUP 017
GROUP 020
GROUP 021

PROC
143STAC
Z01**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. *****

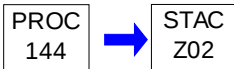
**SECTION D. Source Level Requirements**

Source ID: 144

Source Name: SPECIALTY COATINGS/STENCILING INKS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 010
GROUP 016
GROUP 017
GROUP 020
GROUP 021

**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. *****

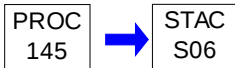
**SECTION D. Source Level Requirements**

Source ID: 145

Source Name: PHOTOGRAPHIC/PRINTING OPERATIONS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 010
GROUP 017
GROUP 020
GROUP 021

**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. *****

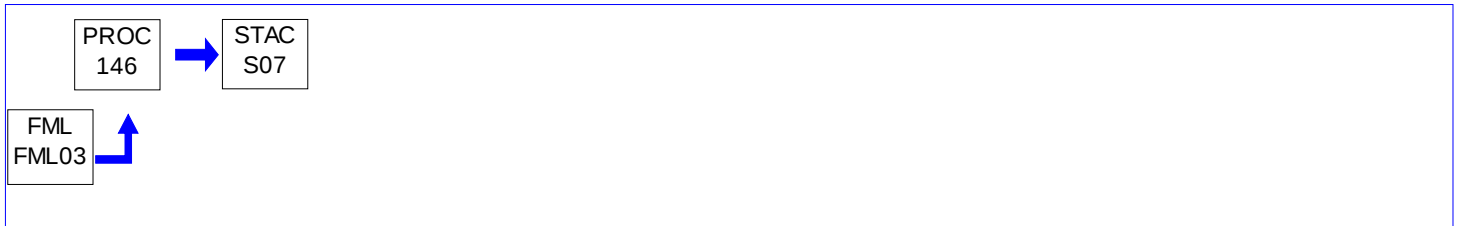
**SECTION D. Source Level Requirements**

Source ID: 146

Source Name: EMERGENCY CI ICE

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 012
GROUP 014
GROUP 015
GROUP 017
GROUP 020
GROUP 021

**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 each of the above emergency generators, at any time, in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]
General

No person shall permit the emission from each of the above emergency generators into the outdoor atmosphere in a manner that the concentration of sulfur oxides (SO_x), expressed as SO₂, in the effluent gas is in excess of 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) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

A monthly record of the number of hours of operation for each engine shall be maintained.

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: 147

Source Name: (12) DIESEL ENGINE TEST CELLS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 013
GROUP 017
GROUP 020
GROUP 021

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

No person shall permit the emission from each of the engine test cells into the outdoor atmosphere of particulate matter in excess of 0.04 grains per dry standard cubic foot.

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

No person shall permit the emission from each of the above engine test cells into the outdoor atmosphere in a manner that the concentration of sulfur oxides (SOx), expressed as SO₂, in the effluent gas is in excess of 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) 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).

**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. *****

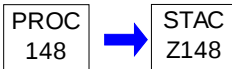
**SECTION D. Source Level Requirements**

Source ID: 148

Source Name: METAL PRETREATMENT ACID WASH

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 010
GROUP 016
GROUP 017
GROUP 020
GROUP 021

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

The permittee shall limit volatile organic compound (VOC) emissions from the use of metal pretreatment acid wash to less than 8.0 tons per year based on a 12-month rolling total.

[Additional authority for this condition is derived from Plan Approval 28-05002G]

[Compliance with this condition will be assured by complying with the 2.7 tpy RACT II limit established in GROUP 010, Section E]

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

This condition constitutes a compliance schedule

a. Letterkenny Army Depot (LEAD) currently uses an acid wash primer containing hexavalent chrome conforming to DOD P-15328D, which does not comply with the 25 Pa. Code Section 129.52d requirement to use Military Specification category coatings with a required max VOC content of 2.8 lb VOC per gallon coating (4.52 lb VOC per gallon solids) and/or Pretreatment category coatings with a required max VOC content of 3.5 lb VOC per gallon coating (6.67 lb VOC per gallon solids). [Note: pursuant to 129.52d(d)(4), if more than one VOC content limit or VOC emission rate limit applies to a specific

**SECTION D. Source Level Requirements**

coating, then the least restrictive VOC content limit or VOC emission rate limit applies.] The use of this specific acid wash primer is currently required by several LEAD customers. The US Army has stated its intention to phase out and discontinue the use of the DOD-P-15328 wash primer and replace this coating material with formulations that do not contain hexavalent chrome and concurrently reduce the VOC (volatile organic compound) content. LEAD intends to discontinue the use of the current acid wash primer once authorization has been granted by its customers to replace this specific product with a more environmentally compliant acid wash primer. LEAD has identified the replacement acid wash primer, a product known as BONDERITE M-NT 7400, and resources required to implement its use. LEAD expects to begin converting to this replacement acid wash primer the summer of 2018. The date for the final elimination of the current DOD-P-15328 wash primer at the LEAD facility will be dependent upon customer authorizations.

b. By no later than December 31 of each year during the term of this permit, LEAD shall submit to DEP a status report and updated schedule for the elimination of the noncompliant acid wash primer.

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).

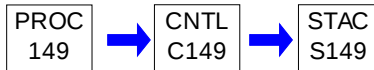
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 149

Source Name: (2) FLAME SPRAY BOOTH

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.13]

Processes

The Permittee may not allow the emission into the outdoor atmosphere of particulate matter from any flame spray booth in a manner that the particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 200

Source Name: PAINT BOOTH 4757 BLDG 370

Source Capacity/Throughput:

20.000 Lbs/HR

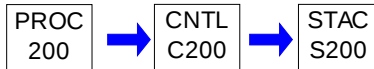
VOC IN COATING

Conditions for this source occur in the following groups: GROUP 006

GROUP 016

GROUP 020

GROUP 021

**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: 201

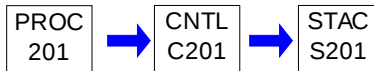
Source Name: POWDER COATING BOOTH R4247 BLDG 370

Source Capacity/Throughput:

20.000 Lbs/HR

COATING SOLIDS

Conditions for this source occur in the following groups: GROUP 016

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

001 [25 Pa. Code §123.13]

Processes

The Permittee may not allow the emission into the outdoor atmosphere of particulate matter from any source in a manner that the particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 202

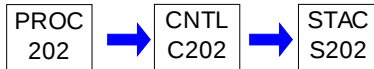
Source Name: PAINT BOOTH S3599 BLDG 1N

Source Capacity/Throughput:

20.000 Lbs/HR

VOC IN COATING

Conditions for this source occur in the following groups: GROUP 006
GROUP 016
GROUP 020
GROUP 021

**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: 203

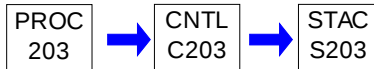
Source Name: PAINT BOOTH 3155 BLDG 5807

Source Capacity/Throughput:

0.500 Lbs/HR

VOC IN COATING

Conditions for this source occur in the following groups: GROUP 006
GROUP 016
GROUP 020
GROUP 021

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

The permittee shall limit volatile organic compound (VOC) emissions from this source to no more than 0.629 tons per year based on a 12-month rolling total.

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

Records that include the type and number of products sanded each month in the TRMF coating booth shall be maintained on site and made available to the Department upon request.

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

The permittee shall monitor and record the following information:

- a.) Monthly and 12-month rolling usage of all coatings and other VOC containing materials used in the coating booth.
- b.) Monthly and 12-month rolling VOC and PM10 emissions.
- c.) All supporting documentation and calculations used to estimate emissions.

These emissions shall be included in the source reporting requirements and the records shall be kept on site for the most recent 5-year period and shall be made available to the Department upon request.

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

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The TRMF coating booth shall operate only when equipped with dry filters for particulate control.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 204

Source Name: BLDG. 350 STAND-ALONE PAINT BOOTH

Source Capacity/Throughput:

2.240 Lbs/HR

VOCS

Conditions for this source occur in the following groups: GROUP 006

GROUP 016

GROUP 020

GROUP 021

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

Pursuant to the Best Available Technology provisions of §§127.1 and 127.12, the permittee shall comply with a cap of 8.22 tons of VOC emissions into the outdoor atmosphere during any consecutive 12-month period from the operation of the paint booth and associated dryer (Source ID 204). This cap also includes any VOC emissions from the use of Metal Pretreatment Acid Wash, Source ID 148 and Clean Up Solvents, Source ID 301A for this paint booth.

Compliance verification requires emissions to be calculated and recorded for each month and each consecutive 12-month period. All records shall be maintained on site for the most recent five-year period and made available to Department representatives upon request.

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

Pursuant to the Best Available Technology provisions of 25 Pa Code §§ 127.1 and 127.12, the average VOC emission for general use coatings on a per-booth per-day basis shall not exceed 4.52 pounds of VOC per gallon of coating solids. The 4.52 pounds of VOC per gallon of coating solids standard is not applicable to specialized coatings. Specialized coatings shall include camouflage, heat-resistant and high temperature coatings. For the purposes of this condition only, any coating which does not qualify as a specialized coating shall be deemed a general use coating. This condition in no way relieves the permittee from meeting the coating limits as required by 25 Pa Code §129.52 for any type of coating.

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

Pursuant to the Best Available Technology provisions of §§127.1 and 127.12, the permittee shall not allow the emission into the outdoor atmosphere of particulate matter from the coating booth in a manner that the concentration of particulate matter in the effluent gas exceeds .02 grains per dry standard cubic foot.

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

II. TESTING REQUIREMENTS.

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

**SECTION D. Source Level 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) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Pursuant to the Best Available Technology provisions of 25 PA Code §§127.1 and 127.12, a daily average of pounds of VOC per gallon of coating solids for general coatings shall be maintained on a per booth basis, and shall be made available to the Department upon request.

(b) As an alternative to maintaining this daily average on any given day, the permittee may demonstrate via recordkeeping that each of the general use coatings used on a given booth on a given day contained 4.52 pounds or less of VOC per gallon of coating solids.

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. *****

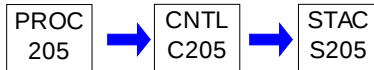
**SECTION D. Source Level Requirements**

Source ID: 205

Source Name: BLDG 320 IR DRYING/COATING BOOTH #4115

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 006
GROUP 016
GROUP 020
GROUP 021

**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: 300

Source Name: PAINTING OUTSIDE BOOTHS

Source Capacity/Throughput:

20.000 Lbs/HR

VOC IN COATING

Conditions for this source occur in the following groups: GROUP 006
GROUP 016
GROUP 017
GROUP 020
GROUP 021

PROC
300STAC
Z07**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.

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For the LINE-X XS-100 two-component polyurea spray elastomer system, usage of the LINE-X XS-100 components (Part A and Part B), shall be tracked as follows:

- (1) The daily and monthly volume (gallons) of Part A used shall be recorded and summed yearly.
- (2) The daily and monthly volume (gallons) of Part B used shall be recorded and summed yearly.

The permittee shall maintain LINE-X XS-100 Part A and Part B usage records on site for the most recent 5-year period and make them available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

**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: 301A

Source Name: CLEAN UP SOLVENTS

Source Capacity/Throughput:

5.600 Lbs/HR

SOLVENT

Conditions for this source occur in the following groups: GROUP 010
GROUP 016
GROUP 017
GROUP 020
GROUP 021

PROC
301ASTAC
Z09**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.

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For the LINE-X XS-100 polyurea spray elastomer system, usage of the LINE-X clean-up solvent, dibasic ester (DBE), shall be tracked as follows:

- (1) The daily and monthly volume (gallons) of DBE used shall be recorded and summed yearly.
- (2) The daily and monthly volume (gallons) of DBE disposed into waste drums shall be recorded and summed yearly.

The permittee shall maintain DBE usage records on site for the most recent 5-year period and make them available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

**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. *****

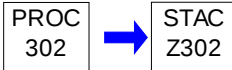
**SECTION D. Source Level Requirements**

Source ID: 302

Source Name: STATIC FIRING

Source Capacity/Throughput: 3,000.000 Lbs/HR ROCKET MOTOR FL

Conditions for this source occur in the following groups: GROUP 020
GROUP 021

**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: 401A

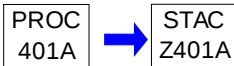
Source Name: OPEN BURNING/FLASH OFF OF MILITARY

Source Capacity/Throughput:

10.000 Tons/HR

PROPELLANT

Conditions for this source occur in the following groups: GROUP 010
GROUP 020
GROUP 021

**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: 401B

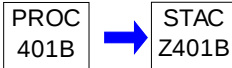
Source Name: OPEN DETONATION

Source Capacity/Throughput:

10.000 Tons/HR

ORDNANCE

Conditions for this source occur in the following groups: GROUP 010
GROUP 020
GROUP 021

**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. *****

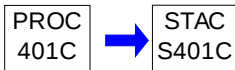
**SECTION D. Source Level Requirements**

Source ID: 401C

Source Name: FLASHING FURNACE

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 020
GROUP 021

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

001 [25 Pa. Code §123.13]

Processes

The Permittee may not allow the emission into the outdoor atmosphere of particulate matter from the flashing furnace in a manner that the particulate matter in the effluent gas exceeds 0.04 grains 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 the flashing furnace 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) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor and record the following information:

- a.) Monthly and 12-month rolling flashing furnace throughput,
- b.) Monthly and 12-month rolling emissions,
- c.) All supporting documentation and calculations used to estimate emissions.

The calculated emissions shall be included in the facility's annual emissions report and the records shall be kept on site for the most recent 5-year period and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

**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: 419

Source Name: COLD CLEANING MACHINES

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 020
GROUP 021

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

Degreasing activities shall be conducted in accordance with the applicable requirements of 25 Pa. Code Section 129.63 to include the following:

(a) Source ID 419 units shall not employ any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

(b) This permit condition does not apply.

(1) Source ID 419 units used in extreme cleaning service. Extreme cleaning service is defined as the use of a cold cleaning machine to clean parts used in the manufacture of the following gases or to clean parts exposed to these gases in manufacturing, production, research and development, analytical work, or other similar operations:

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

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

(3) To immersion cold cleaning machines with a freeboard ratio equal to or greater than 0.75.

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 §129.63]****Degreasing operations**

The permittee shall maintain the following records:

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

**SECTION D. Source Level Requirements**

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

The permittee shall retain these records for a minimum of two (2) years and shall make them available to the Department upon its request.

V. REPORTING REQUIREMENTS.

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

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

Each Source ID 419 unit shall have a permanent, conspicuous label summarizing the operating requirements in Condition #004. 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 unit.
- (b) When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.
- (c) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.

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

Each Source ID 419 unit shall be equipped with one of the following:

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

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

The permittee shall operate each Source ID 419 unit in accordance with the following procedures:

- (a) Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.
- (b) Flushing of parts using a flexible hose or other flushing device shall be performed only within the unit. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.
- (c) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in Source ID 419 units.
- (d) Air-agitated solvent baths may not be used.
- (e) Spills during solvent transfer and use of each Source ID 419 unit shall be cleaned up immediately.

**SECTION D. Source Level Requirements**

006 [25 Pa. Code §129.63]

Degreasing operations

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

VII. ADDITIONAL REQUIREMENTS.

007 [25 Pa. Code §129.63]

Degreasing operations

The aforementioned permit conditions apply to each Source ID 419 unit so long as the cold cleaning machine uses 2 gallons or more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts.

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

**SECTION D. Source Level Requirements**

Source ID: 420

Source Name: ABOVE GROUND GASOLINE STORAGE TANKS > 2000 GALLONS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 017
GROUP 020
GROUP 021

PROC
420STAC
Z420**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.

001 [25 Pa. Code §129.57]

Storage tanks less than or equal to 40,000 gallons capacity containing VOCs

For volatile organic compounds whose storage temperature is governed by ambient weather conditions, the vapor pressure under actual storage conditions shall be determined using a temperature which is representative of the average storage temperature for the hottest month of the year in which the storage takes place.

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 §129.57]

Storage tanks less than or equal to 40,000 gallons capacity containing VOCs

Source ID 420, storage tank units shall have pressure relief valves which are maintained in good operating condition and which are set to release at no less than 0.7 psig (4.8 kilopascals) of pressure or 0.3 psig (2.1 kilopascals) of vacuum or the highest possible pressure and vacuum in accordance with state or local fire codes or the National Fire Prevention Association guidelines or other national consensus standards acceptable to the Department.

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: 421A

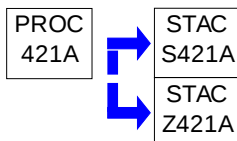
Source Name: TWO PAINT STRIPPING TANKS, T-1 & T-2, BLDG 377

Source Capacity/Throughput:

3.420 Lbs/HR

VOC

Conditions for this source occur in the following groups: GROUP 020
GROUP 021

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

Pursuant to the BAT provisions of §§ 127.1 and 127.12, the permittee shall limit combined volatile organic compound (VOC) emissions from the Two Paint Stripping Tanks, T1 & T2 - Bldg 377, Source ID 421A to less than or equal to 15.0 tons per year based on a 12-month rolling total.

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

Pursuant to the BAT provisions of §§ 127.1 and 127.12, the permittee shall keep and maintain adequate solvent purchase and usage records to demonstrate compliance with the BAT emission limit in Condition #001.

The records shall be retained for at least 5 years and shall be made available to the Department on request.

V. REPORTING REQUIREMENTS.

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

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

Pursuant to the BAT provisions of §§ 127.1 and 127.12, the permittee shall comply with the following:

(a) The tanks shall be covered when not in use, to minimize vapor escape.

(b) The operating temperature of the tanks shall be no greater than 160°F. While the tanks are in operation, the temperature

**SECTION D. Source Level Requirements**

of the tanks shall be monitored and recorded at a minimum of once per shift. The records shall include, at a minimum, the following information:

- 1.) The date and time of the measurement.
- 2.) The temperature of each tank (degrees Fahrenheit).

(c) The steam shall be turned off to the tanks when it is anticipated that the process is not required for 24 hours or more. The permittee shall keep adequate records demonstrating compliance with this condition. The records shall include, at a minimum, the following information:

- 1.) The date and time steam is turned off to the tanks.
- 2.) The date and time steam is turned on to the tanks.

(d) Emissions shall be minimized by ceasing the introduction of air for tank agitation during start-up, shut down, part loading and unloading, and process disruptions.

(e) Good housekeeping practices shall be followed at all times, including any spills being cleaned up immediately, and any containers of solvent kept closed when not in use.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

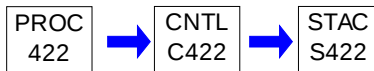
Source ID: 422

Source Name: AP ROCKET MOTOR DESTRUCTION FACILITY

Source Capacity/Throughput:

Conditions for this source occur in the following groups:

- GROUP 020
- GROUP 021
- GROUP 022
- GROUP 023
- GROUP 024

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

The permittee may not allow the emission into the outdoor atmosphere of particulate matter from any source in a manner that the particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

The permittee may not permit the emission into the outdoor atmosphere of sulfur 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 §127.441]**Operating permit terms and conditions.**

(a) Unless otherwise approved by DEP in writing, the permittee shall calculate air emissions when firing any rocket motor within each family determined as follows:

$$\text{NOx (tons)} = \text{ANOx} * \text{D} * \text{N} \div 2000$$

$$\text{HCl (tons)} = \text{AHCl} * \text{D} * \text{N} \div 2000$$

$$\text{Total PM}_{10} \text{ (tons)} = \text{APM}_{10} * \text{D} * \text{N} \div 2000$$

Where:

$$\text{ANOx} = \text{Allowable NOx emissions} = \text{pounds NOx per hour} = 0.0189 * \text{E} - 2.4468$$

$$\text{AHCl} = \text{Allowable HCl emissions} = \text{pounds HCl per hour} = -8\text{E-}05 * \text{E} + 0.1735$$

$$\text{APM}_{10} = \text{Allowable Total PM}_{10} \text{ emissions} = \text{pounds PM}_{10} \text{ per hour} = -0.0003 * \text{E} + 0.2727$$

E = Emission Index = F x R pounds of propellant per hour

F = Process factor in pounds of propellant per motor

R = Charging rate in motors per hour

For Family 2:

$$\text{R} = 3$$

For Families 1, 3, 4 & 5:

**SECTION D. Source Level Requirements**

$R = 1$

D = Firing duration in hours per motor

N = Number of motors fired

(b) The permittee may use different emission factors than prescribed in (a) above, but only after the following:

(1) Performing testing in a manner consistent with Condition #009 of this section, and

(2) Submitting a test protocol prior to conducting the stack testing. Unless otherwise approved by the Department in writing, the submitted test protocol shall conform to all of the requirements specified in Condition #008 of this section. The test protocol and any revised parameters, shall be approved in writing by the Department prior to commencing any stack testing.

(c) DEP reserves the right to require exhaust stack testing of the source(s) as necessary during the permit term to verify emission factors for purposes including emission fees, malfunctions or permit condition violations.

004 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Emissions shall be reported as follows separately for each of the five rocket motor families during each test run to document the operation of the source:

Total Particulate Matter - lb/hr, lb/motor, lb/lb propellant and grains per dry standard cubic foot

Total PM10 - lb/hr, lb/motor, lb/lb propellant

NOx - lb/hr, lb/motor, lb/lb propellant and ppmvd

HCL - lb/hr, lb/motor, lb/lb propellant and ppmvd

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) The source is subject to 25 Pa. Code Section 123.41 for visible emissions except when the facility is firing MRLS rocket motors (Family 1), Family 4 rocket motors and Family 5 rocket motors.

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 3 minutes in any 1 hour.
- (2) Equal to or greater than 60% at any time.

(b) When the facility is firing MRLS rocket motors (Family 1), any Family 4 rocket motor and any Family 5 rocket motor, the source is subject to the Alternative Opacity Limitations established by this operating permit and 25 Pa. Code Section 123.45.

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall limit the emissions from the Source ID 422 exhaust stack to the following:

- Total PM10 - 0.20 tons
- NOx - 35 tons
- HCL - 3.49 tons

The above emission limits are based upon a 12-month rolling total and apply to each consecutive 12-month period.

**SECTION D. Source Level Requirements**

Compliance verification requires emissions to be calculated for each month and each consecutive 12-month period. Calculation records shall be maintained on-site for the most recent five-year period and made available to DEP representatives upon request.

II. TESTING REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall conduct stack testing as required by this operating permit within 60 days of the start-up of any previously untested rocket motor pursuant to Condition #007(a) or previously untested rocket motor scenario pursuant to Condition #007(b) and after achieving the maximum firing rate for, Total Particulate Matter, Total PM₁₀, NO_x, HCL and opacity as per 25 Pa. Code Chapter 139. The permittee shall also conduct opacity testing for purposes of establishing Alternative Opacity Limitations in accordance with 25 Pa. Code, Section 123.45 and Condition #006(b) of this section.

DEP reserves the right to revise and make more stringent the emissions standards based on actual stack test results.

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

a.) Unless otherwise approved by DEP in writing, for each rocket motor family, the permittee shall not fire rocket motors larger, by nominal propellant weight, than that fired during stack testing unless additional testing is performed in a manner consistent with Conditions #004, #009 and #020 of this section.

b.) Unless otherwise approved by DEP in writing, the permittee shall not fire and vent more than one rocket motor at a time other than that fired during stack testing unless additional testing is performed in a manner consistent with Conditions #004, #009 and #020 of this section.

009 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

a. At least ninety (90) calendar days prior to commencing an emission testing program required by this operating permit, a Test Protocol shall be submitted to the Department's Division of Source Testing and Monitoring and the Air Quality Program Manager at the Southcentral Regional Office 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. The emissions testing shall not commence prior to receipt of a protocol acceptance letter from the Department.

b. At least fifteen (15) calendar days prior to commencing an emission testing program required by this operating permit, written notification of the date and time of testing shall be provided to the Department's Southcentral Regional Office. Notification, in writing, shall also be sent to the Department's Bureau of Air Quality, Division of Source Testing and Monitoring. The Department is under no obligation to accept the results of any testing performed without adequate advance written notice to the Department of such testing. Notification shall also be sent to the Department's Division of Source Testing and Monitoring so that an observer may be present.

c. Within fifteen (15) calendar days after completion of the on-site testing portion of an emission test program required by this operating permit, 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 at RA-epstacktesting@state.pa.us and the Southcentral Regional Office at wiweaver@state.pa.us indicating the completion date of the on-site testing.

d. A complete test report shall be submitted to the Department no later than sixty (60) calendar days after completion of the on-site testing portion of an emission test program required by this operating permit.

e. A complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable operating permit conditions. The summary results will include, at a minimum, the following information:

**SECTION D. Source Level Requirements**

- i. A statement that the permittee has reviewed the report from the emissions testing body and agrees with the findings;
 - ii. Plan approval/operating permit number(s) and condition(s) which are the basis for the evaluation;
 - iii. Summary of results with respect to each applicable operating permit condition; and
 - iv. Statement of compliance or non-compliance with each applicable operating permit condition.
- f. All submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.
- g. All testing shall be performed in accordance with 25 Pa. Code Chapter 139 (relating to sampling and testing).
- h. The following data shall be recorded during each test run to document the operation of the source:
- 1. The rocket family and rocket motor scenario tested.
 - 2. The specific motor type(s).
 - 3. The nominal propellant weight per motor.
 - 4. The type and chemical constituents of the propellant for each motor tested.
 - 5. Weight of each propellant burned per hour.
 - 6. Quantity of each specific motor type tested per hour.

The following shall be monitored and recorded continuously during the firing of rocket motors and exhausting of gases:

- 1. Absorbion column pressure drop
- 2. Absorbion column inlet temperature
- 3. Thermal Treatment Chamber (TTC) process conditions including but not limited to the following:
 - a. Temperature
 - b. Pressure
 - c. Burn duration
 - d. Chamber purge duration
- 4. Spray tower liquid flow rates
- 5. Venturi scrubber liquid flow rate
- 6. Venturi scrubber pressure drop
- 7. Wet Scrubber System Liquid pH

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

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

Bureau of Air Quality: Digital copy (only): RA-epstacktesting@pa.gov

j. If, at any time, the Department has reason to believe that the air contaminant emissions from Source ID 422 is, or may be, in excess of any applicable air contaminant emission limitation, the permittee shall conduct such stack tests or source tests as are deemed necessary by the Department to determine the actual air contaminant emission rate. The permittee shall, upon the request of the Department, provide input material analyses, or input material samples used in Source ID 422 that is authorized to operate under this operating permit.

010 [25 Pa. Code §139.17]

General requirements.

The following are applicable to source tests for determining alternative opacity limitations under § 123.45 (relating to alternative opacity limitations).

(1) A series of three consecutive performance tests shall be conducted in accordance with the requirements of §§ 139.1—139.4, 139.11 and 139.12. The time period from the beginning of the first test to the end of the third test may not

**SECTION D. Source Level Requirements**

exceed 8 hours.

(2) The opacity of emissions, as determined in accordance with the measurement technique specified in § 123.45 (relating to alternative opacity limitations), shall be recorded for the entire time period from the beginning of the first performance test to the end of the third performance test.

(3) [N/A - CONTINUOUS OPACITY MONITORING EQUIPMENT IS NOT REQUIRED]

(4) If continuous opacity monitoring equipment is not required, visual observation of opacity shall be conducted by the source owner or operator in accordance with the procedures in Appendix A, Method 9 of § 139.102(1) (relating to references).

(5) Prior to the first performance test, the results of opacity measurements obtained in accordance with the technique specified in § 123.45 will be compared to the results of visual observations conducted by the Department in accordance with Appendix A, Method 9 of § 139.102(1).

(i) A series of 60 consecutive observations will be conducted by the Department observer at intervals of 15 seconds. The results will be reduced to fifteen 1-minute averages.

(ii) The opacity measurements obtained by the techniques specified in § 123.45 for the same time period will be reduced to fifteen 1-minute averages corresponding to those calculated in subparagraph (i).

(iii) If any of the 1-minute averages as calculated in subparagraph (ii) differ by more than 15% opacity from the corresponding 1-minute average as calculated in subparagraph (i), the cause shall be determined and the comparison repeated after appropriate adjustments have been made but before commencement of the first performance test.

(iv) If the average of the absolute values of the differences between the 1-minute averages as calculated in subparagraph (ii) and the corresponding 1-minute averages as calculated in subparagraph (i) is greater than 7.5% opacity, the cause shall be determined and the comparison repeated after appropriate adjustments have been made but before commencement of the first performance test.

III. MONITORING REQUIREMENTS.**# 011 [25 Pa. Code §123.45]****Alternative opacity limitations**

The permittee shall use an EPA Method 9 trained and qualified observer to measure the opacity emissions from Source ID 422.

012 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall monitor and record the following continuously during the firing of rocket motors and exhausting of gases:

1. The inlet temperature of the absorption column
2. Absorption column pressure drop
3. Thermal Treatment Chamber (TTC) process conditions during each firing cycle including but not limited to the following:
 - a. Temperature
 - b. Pressure
 - c. Burn duration
 - d. Chamber purge duration
4. Spray tower liquid flow rate
5. Venturi scrubber liquid flow rate
6. Venturi scrubber pressure drop
7. Wet Scrubber System Liquid pH

**SECTION D. Source Level Requirements**

These parameters may be revised, but only with prior written approval from DEP.

The records shall be kept on site for the most recent 5-year period and made available to DEP upon request.

IV. RECORDKEEPING REQUIREMENTS.**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall perform emission calculations each month and each consecutive 12-month period using the methods established in Condition #004 of Source ID 422, Section D, or other method(s) approved by DEP in order to demonstrate compliance with the emission limitations listed in Condition #003 of this section. Additionally, the permittee shall keep appropriate records of all monitoring and testing requirements.

The records shall be kept on site for the most recent 5-year period and made available to DEP upon request.

014 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall keep records of the following:

1. Absorption column operating hours
2. Absorbent bed sampling dates and results of sampling analysis
3. Absorbent bed recharge/replacement dates

The records shall be kept on site for the most recent 5-year period and made available to DEP upon request.

015 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

To document the operation of Source ID 422, the permittee shall keep daily records of the following:

1. The rocket family and motor type of each rocket fired.
2. The quantity of each specific rocket motor type fired.
3. The nominal propellant weight for each rocket motor fired.
4. The type and chemical constituents of the propellant for each rocket motor fired.
5. The records required in Condition #012 of this Section.

The records shall be kept for the most recent 5-year period.

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.**# 016 [25 Pa. Code §123.45]****Alternative opacity limitations**

The source and associated air pollution control equipment shall be operated and maintained in a manner to minimize the opacity of emissions, within the bounds of good engineering and good economic practice.

**SECTION D. Source Level Requirements****# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall operate and maintain the emission sources and air cleaning devices referenced in this section in accordance with the manufacturer's general recommendations and good air pollution control practices.

018 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

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

VII. ADDITIONAL REQUIREMENTS.**# 019 [25 Pa. Code §123.45]****Alternative opacity limitations**

The plume opacity shall not create or contribute to a public nuisance nor cause air pollution as defined under the Act.

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

1.) The permittee shall comply with Conditions #004(b) and #009 with regard to any stack test event that is used as the basis for an AOL or CAM proposal for a previously untested rocket motor pursuant to Condition #007(a) or a previously untested rocket motor scenario pursuant to Condition #007(b).

2.) Unless otherwise approved in writing by DEP, the permittee shall, following the relevant stack test in 1.) comply with the following:

a.) not operate the source in the manner achieved during the relevant stack test, until the permittee has submitted to the Department a plan approval application containing a proposal for an AOL and for CAM based on the testing.

b.) as an alternative to a.), the permittee may operate the source immediately following the test, in the manner achieved during the test, if the following provisions are fulfilled:

i.) the source complies with 25 Pa. Code Section 123.41, and

ii.) the source complies with the existing CAM parameters, and

iii.) the source has first determined proposed new CAM parameters based on the test, has submitted those proposed parameters in writing to DEP, and then complies with those parameters while operating.

iv.) in the event that the test results ultimately show noncompliance with any of the pollutants related to any of the CAM parameters, the permittee shall, upon discovery of this fact, cease operating the source in the manner achieved during the test, but may thus operate the source in that manner again in the future, if done for the purposes of re-testing for AOL/CAM purposes.

3.) After the permittee has submitted to DEP a plan approval application containing a proposal for an AOL or CAM based on the testing, and before DEP takes action on the plan approval application, the permittee may continue to operate the source, in the manner in which it was stack tested, provided that the opacity does not exceed the levels proposed in the plan approval application.

4.) The permittee may discontinue the AOL development process for any rocket motor family if testing shows that the processing of that rocket motor family can be done in compliance with 25 Pa. Code Section 123.41.



SECTION D. Source Level Requirements

*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

Source ID: 423

Source Name: ONE PAINT STRIPPING TANK, DT-12 - BLDG 350 MTA

Source Capacity/Throughput:

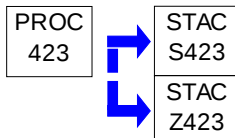
2.330 Lbs/HR

VOC

Conditions for this source occur in the following groups: GROUP 008

GROUP 020

GROUP 021

**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 E. Source Group Restrictions.**

Group Name: GROUP 004

Group Description: Combustion Units greater than 2.5 and less than 50 mmbtu/hr

Sources included in this group

ID	Name
031	JOHNSON BOILER BLDG 1
032	JOHNSON BOILER BLDG 1
036	JOHNSON BOILER BLDG 3
037	JOHNSON BOILER BLDG 3
041	SMITH BOILER BLDG 12
042	SMITH BOILER BLDG 12
046A	C-B BOILER BLDG 37SW
051	SMITH BOILER BLDG 51
052	YORK-SHIPLEY BOILER BLDG 57
053	YORK-SHIPLEY BOILER BLDG 57
083	SMITH BOILER BLDG 5316
087	(9) BOILERS >2.5 AND <50 MMBTU/HR

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

No person may permit the emission into the outdoor atmosphere of Particulate Matter from each of the above boilers in excess of 0.4 pounds per million Btu of heat input in accordance with 25 Pa. Code Section 123.11(a)(1).

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

No person shall permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from each of the above boilers in excess of the rate of 4 lbs./mmBtu of heat input over any 1-hour period.

003 [25 Pa. Code §123.22]**Combustion units**

The sulfur content of the #2 fuel oil fired in each of the above boilers shall not, at any time, exceed 0.05% by weight.

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

The permittee shall monitor the sulfur content in the No. 2 commercial fuel oil for each fuel oil shipment by one of the following:

(a) laboratory fuel oil analysis, or

**SECTION E. Source Group Restrictions.**

(b) fuel supplier's certification

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain records of fuel oil analysis, or fuel certifications for all fuel oil deliveries for the most recent five year period.

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.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(1) The above boilers shall be operated on No. 2 fuel oil, natural gas only, or propane.

(2) The above boilers are units which are greater than 2.5 mmBtu/hr and less than 50 mmBtu/hr and are identified by size and building location in Section H of this Title V operating permit.

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 006

Group Description: Paint Booths w/o VOC Control

Sources included in this group

ID	Name
102B	COATING BOOTH #U8145 IN BLDG 57 (BOOTH 1)
103B	COATING BOOTH #U8146 IN BLDG 57 (BOOTH 2)
106	PAINT BOOTH 59 BLDG 350
107	PAINT BOOTH 60 BLDG 350
108	PAINT BOOTH 61 BLDG 350
109A	PAINT BOOTH 58 BLDG 350
111	PAINT BOOTH 3886 BLDG 320
112	PAINT BOOTH 3880 BLDG 320
113	PAINT BOOTH 3882 BLDG 320
114	PAINT BOOTH 3885 BLDG 320
121	PAINT BOOTH 3881 BLDG 320
122	PAINT BOOTH 4378 BLDG 320
123	PAINT BOOTH 200 BLDG 370
125	PAINT BOOTH 2813 BLDG 370
126	PAINT BOOTH 4298 BLDG 370
128	PAINT BOOTH 4226 BLDG 37
131	PAINT BOOTH 6744 BLDG 37
132	PAINT BOOTH 3884 BLDG 320
137	PAINT BOOTH 8052 BLDG 37
140	PAINT BOOTHS IN AMMO AREA
142	PAINT BOOTH 3883 BLDG 320
200	PAINT BOOTH 4757 BLDG 370
202	PAINT BOOTH S3599 BLDG 1N
203	PAINT BOOTH 3155 BLDG 5807
204	BLDG. 350 STAND-ALONE PAINT BOOTH
205	BLDG 320 IR DRYING/COATING BOOTH #4115
300	PAINTING OUTSIDE BOOTHS

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

No person may permit particulate matter emissions from each of the above sources, into the outdoor atmosphere, in excess of 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

The Permittee may not permit the emission into the outdoor atmosphere of sulfur 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 §129.52]**Surface coating processes**

a) Except for coatings covered by Source ID Nos. 144 and 148, all surface coatings used in the above paint booths, as

**SECTION E. Source Group Restrictions.**

applied, shall comply with a VOC content of the applied coating that is equal to or less than the standards specified in Table I of 25 Pa. Code Section 129.52.

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

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

Where:

VOC = VOC content in lb VOC/gal of coating solids

Wo = Weight percent of VOC (Wv - Ww - Wex)

Wv = Weight percent of total volatiles (100% - weight percent solids)

Ww = Weight percent of water

Wex = Weight percent of exempt solvent(s)

Dc = Density of coating, lb/gal, at 25 degrees Celsius

Vn = Volume percent of solids of the as applied coating

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

The permittee shall monthly, inspect the paint booth filters and monitor pressure drop readings across the particulate filters of each coating booth to assure proper operation in accordance with the manufacturer's requirements.

The permittee shall keep records of pressure drop readings and paint booth filter inspections for the most recent 5-year period and made available to the Department upon request.

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall keep detailed records of all EPA Method 24 certification testing that has been done for all new and existing solvent-borne compliant coatings that have undergone a composition change.

The permittee shall also keep detailed records of all EPA Method 24 certification testing and VOC/HAP data sheets provided by the manufacturer for all solvent-borne coatings.

All records shall be kept on site for the most recent five-year period and made available to Department representatives upon request.

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

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

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

(b) In the absence of EPA Method 24 certification testing from the manufacturer, or VOC/HAP data sheets from the

**SECTION E. Source Group Restrictions.**

manufacturer, allowed under part (a), above, the permittee shall perform EPA Method 24 certification testing on all surface coatings applied as received from the manufacturer.

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

All records shall be kept on site for the most recent five-year period and made available to Department representatives upon request.

007 [25 Pa. Code §129.52]**Surface coating processes**

The permittee shall maintain records sufficient to demonstrate compliance with 25 Pa. Code, subsection 129.52. At a minimum, the permittee shall maintain daily records of the following:

- (1) The following parameters for each coating, thinner and other component as supplied and as applied.
 - (a) The coating identification (name and number)
 - (b) The Table I surface coating process category (e.g., miscellaneous metal parts & products - 10 (e) air-dried coatings)
 - (c) VOC content stated in lb VOC / gallon coating solids
 - (d) The volume used (gallons).
 - (e) The mix ratio
 - (f) The density
 - (g) The weight percent of total volatiles (100% - weight percent solids)
 - (h) The weight percent water
 - (i) The weight percent exempt solvents
 - (j) The weight percent of VOC (weight percent total volatiles - weight percent water - weight percent exempt solvents)
 - (k) The volume percent solids
 - (l) The weight percent solids
 - (m) The VOC and HAP content (lb/gallon)
- (2) Type and amount of clean-up solvent usage (gallons)
- (3) Volume and identification of waste coatings, solvents, or mixtures sent off-site for recycling or disposal.

All records shall be kept on site for the most recent five-year period and made available to Department representatives upon request.

V. REPORTING REQUIREMENTS.**# 008 [25 Pa. Code §135.3]****Reporting**

Annual reports containing, but not limited to, the following data shall be submitted to the Air Quality District Supervisor:

1. The following parameters for each coating, as supplied and as applied:
 - (a) The coating identification (name and number)
 - (b) The Table I surface coating process category (e.g., miscellaneous metal parts & products - 10(e) air-dried coatings)
 - (c) VOC content stated in lb VOC / gallon coating solids
 - (d) The volume used (gallons).
 - (e) The mix ratio
 - (f) The density
 - (g) The weight percent of total volatiles (100% - weight percent solids)
 - (h) The weight percent water
 - (i) The weight percent exempt solvents
 - (j) The weight percent of VOC (weight percent total volatiles - weight percent water - weight percent exempt solvents)
 - (k) The volume percent solids

**SECTION E. Source Group Restrictions.**

- (l) The weight percent solids
 - (m) The VOC and HAP content (lb/gallon)
 - (n) Tons total per each month and each consecutive 12-month period of VOCs and HAP emissions by type.
2. Total per each month and each consecutive 12-month period of VOC emissions from surface coating and clean up operations expressed in tons.
3. Total per each month and each consecutive 12-month period of HAP emissions from surface coating and clean up operations expressed in tons, by type.
4. The type and amount of clean up solvents utilized.
5. Volume and identification of waste coatings, solvents, or mixtures sent off-site for recycling or disposal.
6. The use of any new coatings or compositional changes in existing coatings. Reporting shall include items (1)(a) through (1)(n) above.
- Each report (January 1 through December 31) is due no later than March 1 of the following year for each operating year authorized by the operating permit or its renewal.

VI. WORK PRACTICE REQUIREMENTS.**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee may not cause or permit the emission into the outdoor atmosphere of VOCs from the application of coatings unless the coatings are applied using electrostatic, high volume-low pressure (HVLP) application equipment or other coating application methods capable of achieving a transfer efficiency equivalent to or better than that achieved by HVLP spraying.

010 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall not allow the operation of each coating booth unless it is equipped with dry filters for particulate matter control.

011 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

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

012 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The above coating booths shall be operated and maintained in accordance with the manufacturer's specifications.

013 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall adhere to the following workpractices:

- (a) Store all VOC containing materials, including used shop towels, in closed containers. All containers shall be nonabsorbent.
- (b) All mixing and storage containers used for VOC-containing materials shall be kept closed at all times except when depositing or removing these materials. All mixing activities shall be performed in enclosed equipment or containers equipped with covers.
- (c) Good housekeeping practices shall be followed at all times. Spills of materials containing VOCs shall be minimized and shall be cleaned up immediately with cleaning cloths or other methods that will minimize the evaporation of VOCs into the atmosphere.
- (d) Solvent-laden cleaning cloths shall be kept in closed containers when not in use.

**SECTION E. Source Group Restrictions.**

(e) All VOC containing materials shall be conveyed from one location to another in closed containers or pipes.

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

VII. ADDITIONAL REQUIREMENTS.**# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for the following conditions are derived from operating permit number 28-318-024]

(1) Should emission credits be desired, an annual report containing the following data for all surface coating wastes used in Building 350 shall be submitted to the Altoona District Supervisor:

(a) gallons per quarter of waste solvents, waste paints or mixtures shipped from the facility.

(b) waste profile or sampling data for each shipment.

(c) identification of the waste disposal company for each shipment.

(2) Manufacturers' VOC/HAP data sheets for all coatings applied at the facility within the most recent five-year period shall be maintained at the facility and shall be available to the Department at any time.

015 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Additional authority for the conditions in this group is derived from plan approval 28-05002S.

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 008

Group Description: RACT 2 and RACT 3 Requirements for Bldg 350 & 370 Paint Stripping Tanks

Sources included in this group

ID	Name
423	ONE PAINT STRIPPING TANK, DT-12 - BLDG 350 MTA

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

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.99 with additional authority derived from §§129.111 and 129.114, the permittee shall limit combined volatile organic compound (VOC) emissions from the Two Paint Stripping Tanks, T1 & T2 - Bldg 370, Source ID 421 to less than or equal to 19.74 tons per year based on a 12-month rolling total.

[Compliance with this RACT condition also ensures compliance with best available technology requirements pursuant to 25 Pa. Code, Section 127.1]

[Note: The Bldg 370 Paint Stripping Tanks, T1 & T2, Source ID 421, were removed from the facility under Plan Approval 28-05002Q.]

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

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.99 with additional authority derived from §§129.111 and 129.114, the permittee shall limit volatile organic compound (VOC) emissions from the One Paint Stripping Tank, DT-12 - Bldg 350 MTA, Source ID 423 to less than or equal to 9.9 tons per year based on a 12-month rolling total.

[Compliance with this RACT condition also ensures compliance with best available technology requirements pursuant to 25 Pa. Code, Section 127.1]

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.**

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96, 129.99 and 129.100 with additional authority derived from §§129.111, 129.114 and 129.115, 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.

**SECTION E. Source Group Restrictions.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.99 with additional authority derived from §§129.111 and 129.114, the permittee shall keep and maintain adequate solvent purchase and usage records to demonstrate compliance with the RACT emission limits in Conditions #001 and #002.

[Compliance with this RACT condition also ensures compliance with best available technology requirements pursuant to 25 Pa. Code, Section 127.1]

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.100 with additional authority derived from §§129.111 and 129.115, the permittee shall keep records to demonstrate compliance with §§ 129.96—129.99 and §§129.111—129.114 in the following manner:

- (1) The records must include sufficient data and calculations to demonstrate that the requirements of §§ 129.96—129.99 and §§129.111—129.114 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.

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.**

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.99 with additional authority derived from §§129.111 and 129.114, the permittee shall comply with the following:

- (a) The tanks shall be covered when not in use, to minimize vapor escape.
- (b) The operating temperature of the tanks shall be no greater than 160°F. While the tanks are in operation, the temperature of the tanks shall be monitored and recorded at a minimum of once per shift. The records shall include, at a minimum, the following information:
 - 1.) The date and time of the measurement.
 - 2.) The temperature of each tank (degrees Fahrenheit).
- (c) The steam shall be turned off to the tanks when it is anticipated that the process is not required for 24 hours or more. The permittee shall keep adequate records demonstrating compliance with this condition. The records shall include, at a minimum, the following information:
 - 1.) The date and time steam is turned off to the tanks.
 - 2.) The date and time steam is turned on to the tanks.
- (d) Emissions shall be minimized by ceasing the introduction of air for tank agitation during start-up, shut down, part loading and unloading, and process disruptions.
- (e) Good housekeeping practices shall be followed at all times, including any spills being cleaned up immediately, and any containers of solvent kept closed when not in use.

**SECTION E. Source Group Restrictions.**

[Compliance with this RACT condition also ensures compliance with best available technology requirements pursuant to 25 Pa. Code, Section 127.1]

VII. ADDITIONAL REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The expiration date shown in this permit is for state purposes. For federal enforcement purposes the conditions of this operating permit which pertain to the implementation of RACT regulations shall remain in effect as part of the State Implementation Plan (SIP) until replaced pursuant to 40 CFR 51 and approved by the U.S. Environmental Protection Agency (EPA). The operating permit shall become enforceable by the U.S. EPA upon its approval of the above as a revision to the SIP.

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 010

Group Description: Presumptive RACT 2 and RACT 3 Affected Sources < 2.7 tpy VOC

Sources included in this group

ID	Name
143	INDUSTRIAL WASTE WATER TREATMENT PLANT
144	SPECIALTY COATINGS/STENCILING INKS
145	PHOTOGRAPHIC/PRINTING OPERATIONS
148	METAL PRETREATMENT ACID WASH
301A	CLEAN UP SOLVENTS
401A	OPEN BURNING/FLASH OFF OF MILITARY
401B	OPEN DETONATION

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

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.97 with additional authority derived from §§129.111 and 129.112, the permittee shall limit volatile organic compound (VOC) emissions from each of the above sources to less than 2.7 tons per year based on a 12-month rolling total.

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.**

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.100 with additional authority derived from §§129.111 and 129.115, the permittee shall keep records to demonstrate compliance with §§ 129.96—129.99 and §§129.111—129.114 in the following manner:

(1) The records must include sufficient data and calculations to demonstrate that the requirements of §§ 129.96—129.99 and §§129.111—129.114 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.

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

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.100 with additional authority derived from §§129.111 and 129.115, 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.

**SECTION E. Source Group Restrictions.****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.97 with additional authority derived from §§129.111 and 129.112, the permittee shall install, maintain and operate each of the above sources in accordance with the manufacturer's specifications and with good operating 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: GROUP 011

Group Description: Presumptive RACT 2 and RACT 3 Affected Sources - Boilers & Heaters

Sources included in this group

ID	Name
031	JOHNSON BOILER BLDG 1
032	JOHNSON BOILER BLDG 1
036	JOHNSON BOILER BLDG 3
037	JOHNSON BOILER BLDG 3
041	SMITH BOILER BLDG 12
042	SMITH BOILER BLDG 12
046A	C-B BOILER BLDG 37SW
051	SMITH BOILER BLDG 51
052	YORK-SHIPLEY BOILER BLDG 57
053	YORK-SHIPLEY BOILER BLDG 57
083	SMITH BOILER BLDG 5316
086	(35) BOILERS 2.5 MMBTU/HR OR LESS
087	(9) BOILERS >2.5 AND <50 MMBTU/HR
088	(333) PROPANE / NATURAL GAS HEATERS

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.**

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.100 with additional authority derived from §§129.111 and 129.115, 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.

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

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.100 with additional authority derived from §§129.111 and 129.115 the permittee shall keep records to demonstrate compliance with §§ 129.96—129.99 and §§129.111—129.114 in the following manner:

(1) The records must include sufficient data and calculations to demonstrate that the requirements of §§ 129.96—129.99 and §§129.111—129.114 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.

**SECTION E. Source Group Restrictions.****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.97 with additional authority derived from §§129.111 and 129.112, the permittee shall install, maintain and operate each of the above sources in accordance with the manufacturer's specifications and with good operating 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: GROUP 012

Group Description: Presumptive RACT 2 and RACT 3 Affected Sources - Emergency Engines

Sources included in this group

ID	Name
146	EMERGENCY CI ICE

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

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.97 with additional authority derived from §§129.111 and 129.112, the permittee shall limit the operating hours of each emergency engine to less than 500 hours in a 12-month rolling period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.100 with additional authority derived from §§129.111 and 129.115, 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.

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

The permitted shall record the number of hours of operation for each generator for each month and each 12-month period.

004 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.100 with additional authority derived from §§129.111 and 129.115, the permittee shall keep records to demonstrate compliance with §§ 129.96—129.99 and §§129.111—129.114 in the following manner:

(1) The records must include sufficient data and calculations to demonstrate that the requirements of §§ 129.96—129.99 and §§129.111—129.114 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.

V. REPORTING REQUIREMENTS.

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

**SECTION E. Source Group Restrictions.****VI. WORK PRACTICE REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.97 with additional authority derived from §§129.111 and 129.112, the permittee shall install, maintain and operate each of the above sources in accordance with the manufacturer's specifications and with good operating 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: GROUP 013

Group Description: Presumptive RACT 2 and RACT 3 Affected Sources - Engine Test Cells

Sources included in this group

ID	Name
147	(12) DIESEL ENGINE TEST CELLS

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.**

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.100 with additional authority derived from §§129.111 and 129.115, 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.

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

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.100 with additional authority derived from §§129.111 and 129.115, the permittee shall keep records to demonstrate compliance with §§ 129.96—129.99 and §§129.111—129.114 in the following manner:

(1) The records must include sufficient data and calculations to demonstrate that the requirements of §§ 129.96—129.99 and §§129.111—129.114 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.

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.**

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.97 with additional authority derived from §§129.111 and 129.112, the permittee shall install, maintain and operate each of the above sources 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.

**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 E. Source Group Restrictions.**

Group Name: GROUP 014

Group Description: 40 CFR Part 63, Subpart ZZZZ Requirements

Sources included in this group

ID	Name
146	EMERGENCY CI ICE

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.**# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

§ 63.6585 Am I subject to this subpart?

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

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

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

(c) [NA – FACILITY IS MAJOR FOR HAP]

(d) If you are an owner or operator of an area source subject to this subpart, your status as an entity subject to a standard or

**SECTION E. Source Group Restrictions.**

other requirements under this subpart does not subject you to the obligation to obtain a permit under 40 CFR part 70 or 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart as applicable.

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

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

[69 FR 33506, June 15, 2004, as amended at 73 FR 3603, Jan. 18, 2008; 78 FR 6700, Jan. 30, 2013; 87 FR 48607, Aug. 10, 2022]

§ 63.6590 What parts of my plant does this subpart cover?

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.

(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) [NA – FACILITY IS MAJOR FOR HAP]

(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) [NA – FACILITY IS MAJOR FOR HAP]

(3) [NA – ENGINE(S) ARE NOT RECONSTRUCTED]

(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) [NA – THE ENGINES ARE NOT NEW OR RECONSTRUCTED LIMITED USE ENGINES]

(2) [NA – ENGINE(S) ARE NOT NEW OR RECONSTRUCTED STATIONARY RICE WHICH COMBUSTS LANDFILL OR

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DIGESTER GAS.]

(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) [NA - ENGINE(S) NOT SPARK IGNITION];

(ii) [NA - ENGINE(S) NOT SPARK IGNITION];

(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) [NA - ENGINE(S) NOT USE LANDFILL OR DIGESTER GAS];

(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) [N/A – FACILITY IS MAJOR FOR HAP];

(2) [NA - ENGINE(S) NOT SPARK IGNITION];

(3) [NA - ENGINE(S) NOT SPARK IGNITION];

(4) [NA - ENGINE(S) NOT SPARK IGNITION];

(5) [NA - ENGINE(S) NOT USE LANDFILL OR DIGESTER GAS];

(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]

§ 63.6595 When do I have to comply with this subpart?

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

(2) [NA – PURSUANT TO § 63.6590(b)(1)(i), NEW EMERGENCY ENGINES MORE THAN 500 HP LOCATED AT A MAJOR SOURCE OF HAP EMISSIONS ARE NOT SUBJECT TO EMISSIONS LIMITATIONS OR OPERATING LIMITS AND ARE ONLY

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SUBJECT TO THE INITIAL NOTIFICATION REQUIREMENTS OF § 63.6645(f)]

(3) [NA – PURSUANT TO § 63.6590(b)(1)(i), NEW EMERGENCY ENGINES MORE THAN 500 HP LOCATED AT A MAJOR SOURCE OF HAP EMISSIONS ARE NOT SUBJECT TO EMISSIONS LIMITATIONS OR OPERATING LIMITS AND ARE ONLY SUBJECT TO THE INITIAL NOTIFICATION REQUIREMENTS OF § 63.6645(f)]

(4) [NA – PURSUANT TO § 63.6590(c)(6), NEW EMERGENCY ENGINES LESS THAN OR EQUAL TO 500 HP LOCATED AT A MAJOR SOURCE OF HAP EMISSIONS ARE NOT SUBJECT TO EMISSIONS LIMITATIONS OR OPERATING LIMITS AND MUST MEET THE REQUIREMENTS OF THIS PART BY MEETING THE REQUIREMENTS OF 40 CFR PART 60 SUBPART IIII]

(5) [NA – PURSUANT TO § 63.6590(c)(6), NEW EMERGENCY ENGINES LESS THAN OR EQUAL TO 500 HP LOCATED AT A MAJOR SOURCE OF HAP EMISSIONS ARE NOT SUBJECT TO EMISSIONS LIMITATIONS OR OPERATING LIMITS AND MUST MEET THE REQUIREMENTS OF THIS PART BY MEETING THE REQUIREMENTS OF 40 CFR PART 60 SUBPART IIII]

(6) [NA – FACILITY IS MAJOR FOR HAP]

(7) [NA – FACILITY IS MAJOR FOR HAP]

(b) [NA – FACILITY IS MAJOR FOR HAP]

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

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

Emission and Operating Limitations

§ 63.6600 What emission limitations and operating limitations must I meet if I own or operate a stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions?

Compliance with the numerical emission limitations established in this subpart is based on the results of testing the average of three 1-hour runs using the testing requirements and procedures in § 63.6620 and Table 4 to this subpart.

(a) [NA - ENGINE(S) NOT SPARK IGNITION]

(b) [NA – PURSUANT TO § 63.6590(b)(1)(i), NEW EMERGENCY ENGINES MORE THAN 500 HP LOCATED AT A MAJOR SOURCE OF HAP EMISSIONS ARE NOT SUBJECT TO EMISSIONS LIMITATIONS OR OPERATING LIMITS AND ARE ONLY SUBJECT TO THE INITIAL NOTIFICATION REQUIREMENTS OF § 63.6645(f)]

(c) If you own or operate any of the following stationary 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 emission limitations in Tables 1a, 2a, 2c, and 2d to this subpart or operating limitations in Tables 1b and 2b to this subpart: an existing 2SLB stationary RICE; an existing 4SLB stationary RICE; a stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis; an emergency stationary RICE; or a limited use stationary RICE.

(d) [NA - ENGINE(S) ARE EMERGENCY]

[73 FR 3605, Jan. 18, 2008, as amended at 75 FR 9675, Mar. 3, 2010]

§ 63.6601 What emission limitations must I meet if I own or operate a new or reconstructed 4SLB stationary RICE with a site rating of greater than or equal to 250 brake HP and less than or equal to 500 brake HP located at a major source of HAP emissions?

[NA – ENGINE(S) ARE NOT SPARK IGNITION]

§ 63.6602 What emission limitations and other requirements must I meet if I own or operate an existing stationary RICE

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with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions?

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

TABLE 2c REQUIREMENTS: Item 1

For each Emergency stationary CI RICE*, you must meet the following requirement, except during periods of startup:

- a. Change oil and filter every 500 hours of operation or annually, whichever comes first.**
- b. Inspect 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.***

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

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

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

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

[78 FR 6701, Jan. 30, 2013]

§ 63.6603 What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?

[NA – FACILITY IS MAJOR FOR HAP]

§ 63.6604 What fuel requirements must I meet if I own or operate a stationary CI RICE?

(a) [NA – ENGINE(S) ARE EMERGENCY]

(b) Beginning January 1, 2015, if you own or operate an existing emergency CI stationary RICE with a site rating of more than 100 brake HP and a displacement of less than 30 liters per cylinder that uses diesel fuel and operates for the purpose specified in § 63.6640(f)(4)(ii), you must use diesel fuel that meets the requirements in 40 CFR 1090.305 for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to January 1, 2015, may be used until depleted.

(c) Reserved

(d) [NA – ENGINE(S) NOT IN SPECIFIED GEOGRAPHICAL AREAS]

[78 FR 6702, Jan. 30, 2013, as amended at 85 FR 78463, Dec. 4, 2020; 87 FR 48607, Aug. 10, 2022]

General Compliance Requirements

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§ 63.6605 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]

Testing and Initial Compliance Requirements

§ 63.6610 By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate a stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions? [NA - PER 63.6600(c)]

§ 63.6611 By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate a new or reconstructed 4SLB SI stationary RICE with a site rating of greater than or equal to 250 and less than or equal to 500 brake HP located at a major source of HAP emissions?

[NA – ENGINE(S) ARE NOT SPARK IGNITION]

§ 63.6612 By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate an existing stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing stationary RICE located at an area source of HAP emissions?

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

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

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

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

§ 63.6615 When must I conduct subsequent performance tests?

If you must comply with the emission limitations and operating limitations, you must conduct subsequent performance tests as specified in Table 3 of this subpart. [PER TABLE 3, NO TESTING APPLIES TO EMERGENCY ENGINES]

§ 63.6620 What performance tests and other procedures must I use? [PER TABLES 3 AND 4, NO TESTING APPLIES TO EMERGENCY ENGINES]

§ 63.6625 What are my monitoring, installation, collection, operation, and maintenance requirements?

(a) [NA – NO CEMS REQUIRED OR ELECTED]

(b) [NA – NO CPMS REQUIRED OR ELECTED]

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(c) [NA – LFG NOT USED]

(d) [NA – ENGINE(S) ARE NOT SPARK IGNITION]

(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) [NA – FACILITY IS MAJOR FOR HAP]

(4) [NA – FACILITY IS MAJOR FOR HAP]

(5) [NA – FACILITY IS MAJOR FOR HAP]

(6) [NA – FACILITY IS MAJOR FOR HAP]

(7) [NA – FACILITY IS MAJOR FOR HAP]

(8) [NA – FACILITY IS MAJOR FOR HAP]

(9) [NA – FACILITY IS MAJOR FOR HAP]

(10) [NA – FACILITY IS MAJOR FOR HAP]

(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) [NA – ENGINE(S) ARE EMERGENCY]

(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.

[NOTE: ONLY TABLE 2c APPLIES]

(i) If you own or operate a stationary CI engine that is subject to the work, operation or management practices in items 1 or 2 of Table 2c to this subpart or in items 1 or 4 of Table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total 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.

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(j) [NA - ENGINE(S) ARE CI]

[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 6703, Jan. 30, 2013]

§ 63.6630 How do I demonstrate initial compliance with the emission limitations, operating limitations, and other requirements?

(a) [PER TABLE 5, NO TESTING APPLIES TO EMERGENCY ENGINES]

(b) [PER TABLE 5, NO TESTING APPLIES TO EMERGENCY ENGINES]

(c) You must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in § 63.6645.

(d) [NA – ENGINE(S) ARE EMERGENCY]

(e) [NA – ENGINE(S) ARE EMERGENCY]

[69 FR 33506, June 15, 2004, as amended at 78 FR 6704, Jan. 30, 2013]

Continuous Compliance Requirements

§ 63.6635 How do I monitor and collect data to demonstrate continuous compliance? [NA – NO EMISSION OR OPERATING LIMITATIONS]

§ 63.6640 How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?

(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 [NOTE: ONLY TABLE 2c APPLIES] according to methods specified in Table 6 to this subpart.

TABLE 6 REQUIREMENTS: Item 9

For each existing emergency and black start stationary RICE ≤ 500 HP located at a major source of HAP, complying with the requirement to "Work or Management practices", you must demonstrate continuous compliance by:

- i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or
- ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

END OF TABLE 6 REQUIREMENTS

(b) [NA – NO EMISSION OR OPERATING LIMITATIONS]

(c) [NA – FACILITY IS MAJOR FOR HAP]

(d) [NA – NO EMISSION OR OPERATING LIMITATIONS]

(e) You must also report each instance in which you did not meet the requirements in Table 8 to this subpart that apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you

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do not need to comply with the requirements in Table 8 to this subpart: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing emergency stationary RICE, an existing limited use stationary RICE, or an existing stationary RICE which fires landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to this subpart, except for the initial notification requirements: a new or reconstructed stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new or reconstructed emergency stationary RICE, or a new or reconstructed limited use stationary RICE.

(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 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) [N/A THE FACILITY IS MAJOR FOR HAPS]

[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]

Notifications, Reports, and Records

§ 63.6645 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) [NA – FACILITY IS MAJOR FOR HAP]

(3) A stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions.

(4) [NA – ENGINE(S) ARE NOT SPARK IGNITION]

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(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) [NA – AS PER § 63.6590(c)(6) & (7), NEW EMERGENCY ENGINES WITH A SITE RATING OF LESS THAN OR EQUAL TO 500 BRAKE HP ARE MEETING THE REQUIREMENTS OF PART 63 BY MEETING THE REQUIREMENTS OF 40 CFR PART 60, SUBPART IIII AND NO FURTHER REQUIREMENTS APPLY UNDER PART 63]

(e) [NA - AS PER § 63.6590(c)(6) & (7), NEW EMERGENCY ENGINES WITH A SITE RATING OF LESS THAN OR EQUAL TO 500 BRAKE HP ARE MEETING THE REQUIREMENTS OF PART 63 BY MEETING THE REQUIREMENTS OF 40 CFR PART 60, SUBPART IIII AND NO FURTHER REQUIREMENTS APPLY UNDER PART 63]

(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).

(g) [NA – NO TESTING REQUIRED]

(h) [NA – NO TESTING REQUIRED]

(i) [NA – FACILITY IS MAJOR FOR HAP]

[73 FR 3606, Jan. 18, 2008, as amended at 75 FR 9677, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6705, Jan. 30, 2013; 85 FR 73912, Nov. 19, 2020]

§ 63.6650 What reports must I submit and when?

(a) You must submit each report in Table 7 of this subpart that applies to you.

TABLE 7 REQUIREMENTS: Item 4

For each emergency stationary RICE that operate or are contractually obligated to be available for more than 15 hours per year for the purposes specified in § 63.6640(f)(2)(ii) and (iii) or that operate for the purposes specified in § 63.6640(f)(4)(ii), you must submit a Report. The report must contain the information in § 63.6650(h)(1). You must submit the report annually according to the requirements in § 63.6650(h)(2)-(3).

END OF TABLE 7 REQUIREMENTS

(b) Unless the Administrator has approved a different schedule for submission of reports under § 63.10(a), you must submit each report by the date in Table 7 of this subpart and according to the requirements in paragraphs (b)(1) through (b)(9) of this section.

(1) [NA – REQUIRED REPORT IS ANNUAL]

(2) [NA – REQUIRED REPORT IS ANNUAL]

(3) [NA – REQUIRED REPORT IS ANNUAL]

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(4) [NA – REQUIRED REPORT IS ANNUAL]

(5) [NA – REQUIRED REPORT IS ANNUAL]

(6) For annual Compliance reports, the first Compliance report must cover the period beginning on the compliance date that is specified for your affected source in § 63.6595 and ending on December 31.

(7) For annual Compliance reports, the first Compliance report must be postmarked or delivered no later than January 31 following the end of the first calendar year after the compliance date that is specified for your affected source in § 63.6595.

(8) For annual Compliance reports, each subsequent Compliance report must cover the annual reporting period from January 1 through December 31.

(9) For annual Compliance reports, each subsequent Compliance report must be postmarked or delivered no later than January 31.

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

(1) Company name and address.

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

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

(4) [NA – NO EMISSION OR OPERATING LIMITATIONS]

(5) [NA – NO EMISSION OR OPERATING LIMITATIONS]

(6) [NA – NO EMISSION OR OPERATING LIMITATIONS]

(d) [NA – NO EMISSION OR OPERATING LIMITATIONS]

(e) [NA – NO EMISSION OR OPERATING LIMITATIONS]

(f) [NA – NO EMISSION OR OPERATING LIMITATIONS]

(g) [NA - ENGINE(S) NOT USE LANDFILL OR DIGESTER GAS]

(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

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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, 2022]

§ 63.6655 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) [NA – NO TESTING REQUIRED]

(4) [NA – NO EMISSION OR OPERATING LIMITATIONS]

(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) [NA – NO EMISSION OR OPERATING LIMITATIONS]

(c) [NA - ENGINE(S) NOT USE LANDFILL OR DIGESTER GAS]

(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) An existing stationary RICE with a site rating of less than 100 brake HP located at a major source of HAP emissions.

(2) An existing stationary emergency RICE.

(3) [NA – FACILITY IS MAJOR FOR HAP]

(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

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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) [NA – FACILITY IS MAJOR FOR HAP]

[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]

§ 63.6660 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]

Other Requirements and Information

§ 63.6665 What parts of the General Provisions apply to me?

Table 8 to this subpart shows which parts of the General Provisions in §§ 63.1 through 63.15 apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with any of the requirements of the General Provisions specified in Table 8: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing stationary RICE that combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, an existing emergency stationary RICE, or an existing limited use stationary RICE. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in the General Provisions specified in Table 8 except for the initial notification requirements: A new stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new emergency stationary RICE, or a new limited use stationary RICE.

[75 FR 9678, Mar. 3, 2010]

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

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

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The Department copies shall be forwarded to:

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

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

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

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Group Name: GROUP 015

Group Description: 40 CFR Part 60, Subpart IIII Requirements

Sources included in this group

ID	Name
146	EMERGENCY CI ICE

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

**# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Am I subject to this subpart?**

§ 60.4200 Am I subject to this subpart?

(a) The provisions of 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) [NA NOT AN ENGINE MANUFACTURER]

(2) Owners and operators of stationary CI ICE that commence construction after July 11, 2005, where the stationary CI 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) [NA - NOT MODIFIED OR RECONSTRUCTED]

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(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) The provisions of this subpart are not applicable to stationary CI ICE being tested at a stationary CI ICE test cell/stand.

(c) If you are an owner or operator of an area source subject to this subpart, you are exempt from the obligation to obtain a permit under 40 CFR part 70 or 40 CFR part 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart applicable to area sources.

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

(e) [NA – NOT TEMPORARY REPLACEMENT UNIT(S)]

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

Emission Standards for Owners and Operators

§ 60.4204 What emission standards must I meet for non-emergency engines if I am an owner or operator of a stationary CI internal combustion engine?

[NA – UNIT(S) ARE EMERGENCY]

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

(a) [NA – ENGINE(S) 2007 MODEL YEAR OR LATER]

(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.

As per §60.4202(a)(1); For engines with a maximum engine power less than 37 KW (50 HP):

(i) [NA – THE EMERGENCY ENGINE THAT IS LESS THAN 37KW AND SUBJECT TO 40 CFR PART 60, SUBPART III IS NOT A 2007 MODEL YEAR ENGINE]

(ii) The certification emission standards for new nonroad CI engines in 40 CFR 1039.104, 40 CFR 1039.105, 40 CFR 1039.107, 40 CFR 1039.115, and table 2 to this subpart, for 2008 model year and later engines.

Table 2 To Subpart III of Part 60—Emission Standards For 2008 Model Year and Later Emergency Stationary CI ICE with an engine power category of $19 \leq \text{KW} < 37$ ($25 \leq \text{HP} < 50$)

NOx + NMHC: 7.5 g/kW-hr (5.6 g/HP-hr)

CO: 5.5 g/kW-hr (4.1 g/HP-hr)

PM: 0.30 g/kW-hr (0.22 g/HP-hr)

40 CFR §1039.105 Smoke Opacity Emission Standards:

(a) The smoke opacity 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.

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(3) Engines certified to a PM emission standard or FEL of 0.07 g/kW-hr or lower.

(b) Measure smoke opacity as specified in § 1039.501(c). Smoke opacity 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.

As per §60.4202(a)(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.

40 CFR 1039, Appendix I, Table 3 Emission Standards for a rated power category of $37 \leq \text{kW} < 75$, Tier 3 starting with Model Year 2008:

NMHC + NO_x: 4.7 g/kW-hr
CO: 5.0 g/kW-hr
PM: 0.40 g/kW-hr

40 CFR 1039, Appendix I, Table 3 Emission Standards for a rated power category of $75 \leq \text{kW} < 130$, Tier 3 starting with Model Year 2007:

NMHC + NO_x: 4.0 g/kW-hr
CO: 5.0 g/kW-hr
PM: 0.30 g/kW-hr

40 CFR 1039, Appendix I, Table 2 Emission Standards for a rated power category of $\text{kW} > 560$, Tier 2 starting with Model Year 2006:

NMHC + NO_x: 6.4 g/kW-hr
CO: 3.5 g/kW-hr
PM: 0.20 g/kW-hr

40 CFR §1039.105 Smoke Opacity Emission Standards:

(a) The smoke opacity 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) Measure smoke opacity as specified in § 1039.501(c). Smoke opacity 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.

(c) Owners and operators of fire pump engines with a displacement of less than 30 liters per cylinder must comply with the emission standards in table 4 to this subpart, for all pollutants.

Table 4 Emission Standards for stationary fire pump engines with a maximum engine power category of $56 \leq \text{kW} < 75$ ($75 \leq \text{HP} < 100$), for model year 2010 and earlier.

NMHC + NO_x: 10.5 g/kW-hr (7.8 g/HP-hr)

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CO: 5.0 g/kW-hr (3.7 g/HP-hr)
PM: 0.80 g/kW-hr (0.60 g/HP-hr)

(d) [NA - UNITS(S) < 30 L/CYL]

(e) [NA - DOES NOT CONDUCT PERFORMANCE TESTS IN USE]

(f) [NA - NOT MODIFIED/RECONSTRUCTED]

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

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

Owners and operators of stationary CI 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 Requirements for Owners and Operators

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

(a) [Reserved]

(b) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to 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.

40 CFR 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.

(c) [Reserved]

(d) [NA - UNITS(S) < 30 L/CYL]

(e) [NA – NO NATIONAL SECURITY EXEMPTION]

[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]

Other Requirements for Owners and Operators

§ 60.4208 What is the deadline for importing or installing stationary CI ICE produced in previous model years?

(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

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engines.

(c) - (g) [NA - UNIT(S) ARE EMERGENCY]

(h) [NA - IMPORTATION NOT RELEVANT IN THIS CASE]

(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.

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

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

If you are an owner or operator, you must meet the monitoring requirements of 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) [NA – NO DIESEL PARTICULATE FILTER]

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

Compliance Requirements

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

(a) If you are an owner or operator and must comply with the emission standards specified in 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) If you are an owner or operator of a pre-2007 model year stationary CI internal combustion engine and must comply with the emission standards specified in § 60.4204(a) or § 60.4205(a), or if you are an owner or operator of a CI fire pump engine that is manufactured prior to the model years in table 3 to this subpart and must comply with the emission standards specified in § 60.4205(c), you must demonstrate compliance according to one of the methods specified in paragraphs (b)(1) through (5) of this section.

(1) Purchasing an engine certified to emission standards for the same model year and maximum engine power as described in 40 CFR parts 1039 and 1042, as applicable. The engine must be installed and configured according to the manufacturer's specifications.

(2) – (5) [NA – COMPLIANCE WITH EMISSION STANDARDS IS DEMONSTRATED BY PURCHASING A CERTIFIED ENGINE]

(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 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.

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[NOTE: THE ENGINES IN THIS GROUP ARE CERTIFIED ENGINES]

(d) [NA - UNITS NOT SUBJECT TO § 60.4204(c) or § 60.4205(d)]

(e) [NA - NOT MODIFIED/RECONSTRUCTED]

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

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

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

(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(ii) - (iii) [Reserved]

(3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (f)(2) of this section. Except as provided in paragraph (f)(3)(i) of this section, the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

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

(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

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

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

(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

(ii) [Reserved]

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

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

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

Testing Requirements for Owners and Operators

§ 60.4212 What test methods and other procedures must I use if I am an owner or operator of a stationary CI internal combustion engine with a displacement of less than 30 liters per cylinder?

[NA – TESTING NOT REQUIRED FOR CERTIFIED UNITS WHICH ARE NOT ALTERED PER 60.4211(g)]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37971, June 28, 2011; 86 FR 34359, June 29, 2021]

§ 60.4213 What test methods and other procedures must I use if I am an owner or operator of a stationary CI internal combustion engine with a displacement of greater than or equal to 30 liters per cylinder?

[NA – DISPLACEMENT <30 L/CYL]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37971, June 28, 2011]

Notification, Reports, and Records for Owners and Operators

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

(a) [NA – UNIT(S) ARE EMERGENCY]

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(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) [NA – NO DIESEL PARTICULATE FILTER]

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

(1) The report must contain the following information:

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

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

(iii) Engine site rating and model year.

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

(v) - (vi) [Reserved]

(vii) Hours spent for operation for the purposes specified in § 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]

General Provisions

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

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

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

[88 FR 4471, Jan. 24, 2023]

Regulatory Changes

Individual sources within this source group that are subject to 40 CFR Part 60 Subpart IIII shall comply with all applicable

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requirements of the Subpart. 40 CFR 60.4 requires submission of copies of all requests, reports and other communications to both the Department and the EPA.

The EPA copies shall be forwarded to:

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

The Department copies shall be forwarded to:

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

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

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 016

Group Description: 25 Pa. Code, Section 129.52d Requirements

Sources included in this group

ID	Name
102B	COATING BOOTH #U8145 IN BLDG 57 (BOOTH 1)
103B	COATING BOOTH #U8146 IN BLDG 57 (BOOTH 2)
106	PAINT BOOTH 59 BLDG 350
107	PAINT BOOTH 60 BLDG 350
108	PAINT BOOTH 61 BLDG 350
109A	PAINT BOOTH 58 BLDG 350
111	PAINT BOOTH 3886 BLDG 320
112	PAINT BOOTH 3880 BLDG 320
113	PAINT BOOTH 3882 BLDG 320
114	PAINT BOOTH 3885 BLDG 320
121	PAINT BOOTH 3881 BLDG 320
122	PAINT BOOTH 4378 BLDG 320
123	PAINT BOOTH 200 BLDG 370
125	PAINT BOOTH 2813 BLDG 370
126	PAINT BOOTH 4298 BLDG 370
128	PAINT BOOTH 4226 BLDG 37
131	PAINT BOOTH 6744 BLDG 37
132	PAINT BOOTH 3884 BLDG 320
137	PAINT BOOTH 8052 BLDG 37
140	PAINT BOOTHS IN AMMO AREA
142	PAINT BOOTH 3883 BLDG 320
144	SPECIALTY COATINGS/STENCILING INKS
148	METAL PRETREATMENT ACID WASH
200	PAINT BOOTH 4757 BLDG 370
201	POWDER COATING BOOTH R4247 BLDG 370
202	PAINT BOOTH S3599 BLDG 1N
203	PAINT BOOTH 3155 BLDG 5807
204	BLDG. 350 STAND-ALONE PAINT BOOTH
205	BLDG 320 IR DRYING/COATING BOOTH #4115
300	PAINTING OUTSIDE BOOTHS
301A	CLEAN UP SOLVENTS

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

**SECTION E. Source Group Restrictions.****IV. RECORDKEEPING REQUIREMENTS.**

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

(a) Applicability.

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

(5) This section 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

**SECTION E. Source Group Restrictions.**

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) Definitions. [INCORPORATED BY REFERENCE]

(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 NO_x 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 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: FACILITY DOES NOT CURRENTLY ELECT TO COMPLY WITH § 129.52d. THROUGH THE USE OF ADD-ON AIR POLLUTION CONTROL DEVICES.]

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/ l coating	lb VOC/ gal coating	kg VOC/ l coating	lb VOC/ gal coating
General One-component	0.34	2.8	0.28	2.3
General Multicomponent	0.34	2.8	0.28	2.3
Extreme Performance	0.42	3.5	0.36	3.0
Heat-resistant	0.42	3.5	0.36	3.0
High-temperature	0.42	3.5	0.42	3.5
Camouflage	0.42	3.5	0.42	3.5
Military Specification	0.34	2.8	0.28	2.3
Pretreatment	0.42	3.5	0.42	3.5
Touch-up and Repair	0.42	3.5	0.36	3.0

(2) Combination of compliant materials, VOC emissions capture system and add-on air pollution control device option. The combination of one or more VOC-containing coatings, as applied, that meet the emission rate limits for the applicable coating category specified in the applicable table of emission rate limits in Tables VI—IX, and one or more VOC emissions

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capture systems and one or more add-on air pollution control devices that meet the requirements of subsection (e)(2). [NA - NO ADD-ON AIR POLLUTION CONTROL DEVICES]

Table VI. VOC Content Limits for Metal Parts and Products Surface Coatings Weight of VOC per Volume of Coating Solids, as Applied. [NA - NO ADD-ON AIR POLLUTION CONTROL DEVICES]

Coating Category	Air Dried		Baked	
	kg VOC/ l solids	lb VOC/ gal solids	kg VOC/ l solids	lb VOC/ gal solids
General One-component	0.54	4.52	0.40	3.35
General Multicomponent	0.54	4.52	0.40	3.35
Camouflage	0.80	6.67	0.80	6.67
Extreme Performance	0.80	6.67	0.61	5.06
Heat-resistant	0.80	6.67	0.61	5.06
High-temperature	0.80	6.67	0.80	6.67
Pretreatment	0.80	6.67	0.80	6.67
Military Specification	0.54	4.52	0.40	3.35

(3) VOC emissions capture system and add-on air pollution control device option. The overall weight of VOCs emitted to the atmosphere is reduced through the use of vapor recovery, oxidation, incineration or another method that is acceptable under § 129.51(a) (relating to general) and meets the requirements of subsection (e)(2). The overall control efficiency of a control system, as determined by the test methods and procedures specified in Chapter 139 (relating to sampling and testing), may be no less than 90%. [NA - NO ADD-ON AIR POLLUTION CONTROL DEVICES]

(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.

(6) Coatings not listed in Table IV or IX. [NA – FACILITY DOES NOT USE PLEASURE CRAFT COATINGS]

(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) [NA – NO ADD-ON POLLUTION CONTROL DEVICES]

(f) Recordkeeping and reporting requirements.

(1) The owner or operator of a miscellaneous metal part coating unit or miscellaneous plastic part coating unit, or both, subject to 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.

**SECTION E. Source Group Restrictions.**

- (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) Volume percent of solids for the applicable table of limits in Tables VI—IX.
- (ii) The VOC content of each coating, thinner, other component and cleaning solvent as supplied.
- (iii) The VOC content of each as applied coating or cleaning solvent.
- (iv) The calculations performed for each applicable requirement under subsections (d) and (e).
- (v) The information required in a plan approval issued under subsection (e)(2).
- (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) The records shall be maintained onsite for 2 years, unless a longer period is required by an order, plan approval or operating permit issued under Chapter 127 (relating to construction, modification, reactivation and operation of sources).
- (4) The records shall be submitted to the Department in an acceptable format upon receipt of a written request from the Department.
- (g) Coating application methods. A person subject to 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.

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(1) The requirements of subsections (d) and (g) do not apply to the application of the following coatings to a metal part:

- (i) Stencil coating.
- (ii) Safety-indicating coating.
- (iii) Solid-film lubricant.
- (iv) Electric-insulating and thermal-conducting coating.
- (v) Magnetic data storage disk coating.
- (vi) Plastic extruded onto metal parts to form a coating.
- (vii) Powder coating.

(2) The requirements of subsection (d) do not apply to the application of the following coatings to a plastic part:

- (i) Touch-up and repair coating.
- (ii) Stencil coating applied on a clear or transparent substrate.
- (iii) Clear or translucent coating.
- (iv) Coating applied at a paint manufacturing facility while conducting performance tests on coating.
- (v) Reflective coating applied to highway cones.
- (vi) Mask coating, if the coating is less than 0.5 millimeter thick (dried) and the area coated is less than 25 square inches.
- (vii) EMI/RFI shielding coating.
- (viii) Heparin-benzalkonium chloride (HBAC)-con-taining coating applied to a medical device, provided that the total usage of HBAC-containing coatings does not exceed 100 gallons in 1 calendar year at the facility.
- (ix) Powder coating.
- (x) An individual coating category used in an amount less than 50 gallons in 1 calendar year provided that the total usage of all of the coatings, combined, does not exceed 200 gallons per year at the facility. This exception applies only if substitute compliant coatings are not available.

(3) The requirements of subsection (d) do not apply to the application of the following coatings to automotive-transportation and business machine parts:

- (i) Texture coat.
- (ii) Vacuum-metalizing coating.
- (iii) Gloss reducer.
- (iv) Texture topcoat.
- (v) Adhesion primer.
- (vi) Electrostatic prep coat.
- (vii) Resist coating.

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(viii) Stencil coating.

(ix) Powder coating.

(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) 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 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.

(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:

**SECTION E. Source Group Restrictions.**

- (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. [NA - NO ADD-ON CONTROL DEVICES]
- (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.

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 017

Group Description: RACT 1 Requirements, transferred from RACT OP 28-02002 issued on February 3, 2000

Sources included in this group

ID	Name
031	JOHNSON BOILER BLDG 1
032	JOHNSON BOILER BLDG 1
036	JOHNSON BOILER BLDG 3
037	JOHNSON BOILER BLDG 3
041	SMITH BOILER BLDG 12
042	SMITH BOILER BLDG 12
052	YORK-SHIPLEY BOILER BLDG 57
053	YORK-SHIPLEY BOILER BLDG 57
083	SMITH BOILER BLDG 5316
086	(35) BOILERS 2.5 MMBTU/HR OR LESS
087	(9) BOILERS >2.5 AND <50 MMBTU/HR
106	PAINT BOOTH 59 BLDG 350
107	PAINT BOOTH 60 BLDG 350
108	PAINT BOOTH 61 BLDG 350
111	PAINT BOOTH 3886 BLDG 320
112	PAINT BOOTH 3880 BLDG 320
113	PAINT BOOTH 3882 BLDG 320
114	PAINT BOOTH 3885 BLDG 320
121	PAINT BOOTH 3881 BLDG 320
122	PAINT BOOTH 4378 BLDG 320
123	PAINT BOOTH 200 BLDG 370
125	PAINT BOOTH 2813 BLDG 370
126	PAINT BOOTH 4298 BLDG 370
128	PAINT BOOTH 4226 BLDG 37
131	PAINT BOOTH 6744 BLDG 37
132	PAINT BOOTH 3884 BLDG 320
137	PAINT BOOTH 8052 BLDG 37
140	PAINT BOOTHS IN AMMO AREA
142	PAINT BOOTH 3883 BLDG 320
143	INDUSTRIAL WASTE WATER TREATMENT PLANT
144	SPECIALTY COATINGS/STENCILING INKS
145	PHOTOGRAPHIC/PRINTING OPERATIONS
146	EMERGENCY CI ICE
147	(12) DIESEL ENGINE TEST CELLS
148	METAL PRETREATMENT ACID WASH
300	PAINTING OUTSIDE BOOTHS
301A	CLEAN UP SOLVENTS
420	ABOVE GROUND GASOLINE STORAGE TANKS > 2000 GALLONS

I. RESTRICTIONS.

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.****II. TESTING REQUIREMENTS.**

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Department of the Army (Letterkenny Army Depot)
RACT Operating Permit No. 28-02002 SIP requirements

Sources:

164 No. 2 Fuel Oil-Fired Boilers
8 Propane-Fired Boilers
33 Generators
7 Engine Test Cells
134 AST Fuel Storage Tanks
97 UST Fuel Storage Tanks
24 Paint Booths
1 Industrial Wastewater Treatment Plant
1 Photographic/Printing Operations

Activities:

Stenciling Inks
Specialty Coatings
Metal Pretreatment Acid Wash
Cleanup Solvents

All the above surface coating booths use dry filters in the control of particulate matter.

5. The NO_x RACT for the facility is that the emissions will be limited to less than 100 tons per year based on a 12-month rolling total.

6. The VOC RACT for the Industrial Wastewater Treatment Plant is that emissions from this source shall be less than 2.7 tons per year based on a 12-month rolling total.

7. The VOC RACT for clean-up solvents is that emissions from this source shall be less than 2.7 tons per year based on a 12-month rolling total.

8. The VOC RACT for specialty coatings and stenciling inks is that emissions from these sources shall be less than 2.7

**SECTION E. Source Group Restrictions.**

tons per year based on a 12-month rolling total.

9. The VOC RACT for Photographic/Printing Operations is that emissions from this source shall be less than 2.7 tons per year based on a 12-month rolling total.

10. The VOC RACT for all the boiler, generators, and engine test cell is that emissions from these sources shall be less than 2.7 tons per year based on a 12-month rolling total.

11. The VOC RACT for the above ground and below ground storage tanks is that emissions from these sources shall be less than 2.7 tons per year based on a 12-month rolling total.

12. The VOC RACT for the Metal Pretreatment Acid Wash is that emissions from these sources shall be less than 2.7 tons per year based on a 12-month rolling total.

14. Emissions controlled by the Regenerative Thermal Oxidizer shall be incinerated at a minimum temperature of 1,500 degrees F with a minimum retention time of 0.3 seconds. Fluctuations below 1,500 degrees F which occurs during start-ups and shutdowns shall not be lower than 1,450 degrees F for a period of more than five minutes. [Note: The Regenerative Thermal Oxidizer was removed from the facility under Plan Approval 28-05002S.]

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 018

Group Description: Bldg 57 Coating Booths

Sources included in this group

ID	Name
102B	COATING BOOTH #U8145 IN BLDG 57 (BOOTH 1)
103B	COATING BOOTH #U8146 IN BLDG 57 (BOOTH 2)

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

Pursuant to the Best Available Technology (BAT) provisions of 25 PA Code §§ 127.1 and 127.12, the permittee shall not allow the emission into the outdoor atmosphere of particulate matter (PM) from the Group 018 sources in a manner that the concentration of filterable and condensable PM in the effluent gas exceeds 0.02 grain per dry standard cubic foot.

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

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

a.) The permittee shall comply with a VOC emission cap of 15.58 tons during any consecutive 12-month period for the two spray paint booths (Source IDs 102B and 103B). The VOC emission cap for the two spray paint booths is a compliance cap, imposed for NSR applicability purposes. This VOC emission cap shall not provide any relief from NSR applicability determinations for any future physical change or change in the method of operation of the two spray paint booths at the facility. The two spray paint booths (Source IDs 102B and 103B) covered under the VOC emission cap shall be considered as one emissions unit, as defined in 25 Pa. Code Section 121.1 (relating to definitions), for NSR applicability purposes. Any future NSR applicability determinations must consider the baseline actual VOC emissions of the two spray paint booths as one emissions unit and not the VOC emission cap. In the event that major NSR is triggered for any of the two spray paint booths covered by the VOC emission cap, LAER shall apply to the two spray paint booths. If the company finds it necessary to relax the VOC emission cap at some future date, the requirements of 25 Pa. Code Section 127.203(e)(2) shall apply.

b.) The provisions of part (a), above, do not preclude the permittee from seeking and procuring a Plantwide Applicability Limit (PAL) pursuant to 25 Pa. Code, Section 127.218.

Compliance verification requires emissions to be calculated and recorded for each month and each consecutive 12-month period. All records shall be maintained for the most recent five-year period and made available to Department representatives upon request.

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).

**SECTION E. Source Group Restrictions.****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 019

Group Description: 5D No Emission Standards

Sources included in this group

ID	Name
031	JOHNSON BOILER BLDG 1
032	JOHNSON BOILER BLDG 1
036	JOHNSON BOILER BLDG 3
037	JOHNSON BOILER BLDG 3
041	SMITH BOILER BLDG 12
042	SMITH BOILER BLDG 12
046A	C-B BOILER BLDG 37SW
051	SMITH BOILER BLDG 51
052	YORK-SHIPLEY BOILER BLDG 57
053	YORK-SHIPLEY BOILER BLDG 57
083	SMITH BOILER BLDG 5316
086	(35) BOILERS 2.5 MMBTU/HR OR LESS
087	(9) BOILERS >2.5 AND <50 MMBTU/HR

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7485]

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

Am I subject to this subpart?

§63.7480 What is the purpose of this subpart?

This subpart establishes national emission limitations and work practice standards for hazardous air pollutants (HAP) emitted from industrial, commercial, and institutional boilers and process heaters located at major sources of HAP. This

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subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and work practice standards.

§63.7485 Am I subject to this subpart?

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

[78 FR 7162, Jan. 31, 2013]

§63.7490 What is the affected source of this subpart?

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

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

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

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

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

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

(e) An existing electric utility steam generating unit (EGU) that meets the applicability requirements of this subpart after the effective date of this final rule due to a change (e.g., fuel switch) is considered to be an existing source under this subpart.

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

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

The types of boilers and process heaters listed in paragraphs (a) through (n) of this section are not subject to this subpart. [NA – NO EXEMPTIONS APPLY]

(a) [NA – NOT SUBJECT TO 5U]

(b) [NA – NOT SUBJECT TO MM]

(c) [NA – NO R&D UNITS]

(d) [NA – NOT HOT WATER HEATERS]

(e) [NA – NO REFINING KETTLES]

(f) [NA – NOT SUBJECT TO YY]

(g) [NA – NO BLAST FURNACE STOVES]

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

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

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

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

(l) [NA – NO CAA SECTION 129 UNITS]

(m) [NA – NOT SUBJECT TO EEE]

(n) [NA – NO RESIDENTIAL BOILERS]

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

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

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

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

(1) Any new or reconstructed boiler or process heater at the existing source must be in compliance with this subpart upon startup.

(2) Any existing boiler or process heater at the existing source must be in compliance with this subpart within 3 years after the source becomes a major source.

(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) If you own or operate an industrial, commercial, or institutional boiler or process heater and would be subject to this subpart except for the exemption in §63.7491(l) for commercial and industrial solid waste incineration units covered by part 60, subpart CCCC or subpart DDDD, and you cease combusting solid waste, you must be in compliance with this subpart and are no longer subject to part 60, subparts CCCC or DDDD beginning on the effective date of the switch as identified under the provisions of §60.2145(a)(2) and (3) or §60.2710(a)(2) and (3).

(f) [NA – NO EGU'S]

(g) If you own or operate an existing industrial, commercial, or institutional boiler or process heater and would be subject to this subpart except for a exemption in §63.7491(i) that becomes subject to this subpart after January 31, 2013, you must be in compliance with the applicable existing source provisions of this subpart within 3 years after such unit becomes subject to this subpart.

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

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

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

002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7485]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****Am I subject to this subpart?****EMISSION LIMITATIONS AND WORK PRACTICE STANDARDS**

§ 63.7499 What are the subcategories of boilers and process heaters?

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

- (a) [UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH PULVERIZED COAL]
- (b) Stokers designed to burn coal/solid fossil fuel.
- (c) [UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH FLUIDIZED BED COAL]
- (d) – (j) [UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH BIOMASS]
- (k) [UNITS ARE NOT NON-CONTINENTAL].
- (l) Units designed to burn gas 1 fuels.
- (m) [UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH “GAS 2”]
- (n) [UNITS IN THIS SOURCE GROUP ARE NOT METAL PROCESS FURNACES]
- (o) Limited-use boilers and process heaters.
- (p) [UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH SOLID FUEL]
- (q) Units designed to burn liquid fuel.
- (r) [UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH SOLID FUEL]
- (s) [UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH SOLID FUEL]
- (t) Units designed to burn heavy liquid fuel.
- (u) Units designed to burn light liquid fuel.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013]

§63.7500 What emission limitations, work practice standards, and operating limits must I meet?

(a) You must meet the requirements in paragraphs (a)(1) through (3) of this section, except as provided in paragraphs (b), through (e) of this section. You must meet these requirements at all times the affected unit is operating, except as provided in paragraph (f) of this section.

(1) You must meet each emission limit and work practice standard in Tables 1 through 3, and 11 through 13 [OF THESE TABLES, ONLY TABLE 3 APPLIES TO THE UNITS IN THIS SOURCE GROUP] to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522. The output-based emission limits, in units of pounds per million Btu of steam output, in Tables 1 or 2 to this subpart are an alternative applicable only to boilers and process heaters that generate either steam, cogenerate steam with electricity, or both. The output-based emission limits, in units of pounds per megawatt-hour, in Tables 1 or 2 to this subpart are an alternative

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applicable only to boilers that generate only electricity. Boilers that perform multiple functions (cogeneration and electricity generation) or supply steam to common headers would calculate a total steam energy output using equation 21 of §63.7575 to demonstrate compliance with the output-based emission limits, in units of pounds per million Btu of steam output, in Tables 1 or 2 to this subpart. If you operate a new boiler or process heater, you can choose to comply with alternative limits as discussed in paragraphs (a)(1)(i) through (iii) of this section, but on or after January 31, 2016, you must comply with the emission limits in Table 1 to this subpart.

RELEVANT DEFINITION: Unit designed to burn gas 1 subcategory includes any boiler or process heater that burns only natural gas, refinery gas, and/or other gas 1 fuels. Gaseous fuel boilers and process heaters that burn liquid fuel for periodic testing of liquid fuel, maintenance, or operator training, not to exceed a combined total of 48 hours during any calendar year, are included in this definition. Gaseous fuel boilers and process heaters that burn liquid fuel during periods of gas curtailment or gas supply interruptions of any duration are also included in this definition.

TABLE 3 REQUIREMENTS

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

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.
2. If your unit is a new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of less than 10 million Btu per hour in the unit designed to burn heavy liquid or unit designed to burn solid fuel subcategories; or a new or existing boiler or process heater with heat input capacity of less than 10 million Btu per hour, but greater than 5 million Btu per hour, in any of the following subcategories: unit designed to burn gas 1; unit designed to burn gas 2 (other); or unit designed to burn light liquid, you must meet the following: Conduct a tune-up of the boiler or process heater biennially as specified in § 63.7540.
3. If your unit is a new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater, you must meet the following: Conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions under this subpart. Units in all other subcategories will conduct this tune-up as a work practice for dioxins/furans.
4. Must have a one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this table, satisfies the energy assessment requirement. A facility that operated under an energy management program developed according to the ENERGY STAR guidelines for energy management or compatible with ISO 50001 for at least one year between January 1, 2008 and the compliance date specified in §63.7495 that includes the affected units also satisfies the energy assessment requirement. The energy assessment must include the following with extent of the evaluation for items a. to e. appropriate for the on-site technical hours listed in §63.7575:
 - a. A visual inspection of the boiler or process heater system.
 - b. An evaluation of operating characteristics of the boiler or process heater systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints.
 - c. An inventory of major energy use systems consuming energy from affected boilers and process heaters and which are under the control of the boiler/process heater owner/operator.
 - d. A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage.
 - e. A review of the facility's energy management program and provide recommendations for improvements consistent with the definition of energy management program, if identified.

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f. A list of cost-effective energy conservation measures that are within the facility's control.

g. A list of the energy savings potential of the energy conservation measures identified.

h. A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

END OF TABLE 3 REQUIREMENTS

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

(2) [NA – NO EMISSION STANDARDS]

(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) Limited-use boilers and process heaters must complete a tune-up every 5 years as specified in §63.7540. They are not subject to the emission limits in Tables 1 and 2 or 11 through 13 to this subpart, the annual tune-up, or the energy assessment requirements in Table 3 to this subpart, or the operating limits in Table 4 to this subpart.

(d) Boilers and process heaters with a heat input capacity of less than or equal to 5 million Btu per hour in the units designed to burn gas 2 (other) fuels subcategory or units designed to burn light liquid fuels subcategory must complete a tune-up every 5 years as specified in §63.7540.

(e) Boilers and process heaters in the units designed to burn gas 1 fuels subcategory with a heat input capacity of less than or equal to 5 million Btu per hour must complete a tune-up every 5 years as specified in §63.7540. Boilers and process heaters in the units designed to burn gas 1 fuels subcategory with a heat input capacity greater than 5 million Btu per hour and less than 10 million Btu per hour must complete a tune-up every 2 years as specified in §63.7540. Boilers and process heaters in the units designed to burn gas 1 fuels subcategory are not subject to the emission limits in Tables 1 and 2 or 11 through 13 to this subpart, or the operating limits in Table 4 to this subpart.

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

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013; 80 FR 72807, Nov. 20, 2015]

§63.7501 [Reserved]

GENERAL COMPLIANCE REQUIREMENTS

§63.7505 What are my general requirements for complying with this subpart?

(a) You must be in compliance with the emission limits, work practice standards, and operating limits in this subpart. These emission and operating limits apply to you at all times the affected unit is operating except for the periods noted in §63.7500(f).

(b) [Reserved]

(c) – (e) [NA – NO EMISSION STANDARDS]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7164, Jan. 31, 2013; 80 FR 72807, Nov. 20, 2015]

**SECTION E. Source Group Restrictions.****# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7485]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****Am I subject to this subpart?****TESTING, FUEL ANALYSES, AND INITIAL COMPLIANCE REQUIREMENTS**

§63.7510 What are my initial compliance requirements and by what date must I conduct them?

(a) – (d) [NA – NO EMISSION STANDARDS]

(e) For existing affected sources (as defined in §63.7490), you must complete the initial compliance demonstrations, as specified in paragraphs (a) through (d) of this section, no later than 180 days after the compliance date that is specified for your source in §63.7495 and according to the applicable provisions in §63.7(a)(2) as cited in Table 10 to this subpart, except as specified in paragraph (j) of this section. You must complete an initial tune-up by following the procedures described in §63.7540(a)(10)(i) through (vi) no later than the compliance date specified in §63.7495, except as specified in paragraph (j) of this section. You must complete the one-time energy assessment specified in Table 3 to this subpart no later than the compliance date specified in §63.7495.

(f) [NA – NO EMISSION STANDARDS]

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

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

(i) [NA – NO EGU'S]

(j) For existing affected sources (as defined in §63.7490) that have not operated between the effective date of the rule and the compliance date that is specified for your source in §63.7495, you must complete the initial compliance demonstration, if subject to the emission limits in Table 2 to this subpart, as specified in paragraphs (a) through (d) of this section, 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 an initial tune-up by following the procedures described in §63.7540(a)(10)(i) through (vi) no later than 30 days after the re-start of the affected source and, if applicable, complete the one-time energy assessment specified in Table 3 to this subpart, no later than the compliance date specified in §63.7495.

(k) For affected sources, as defined in §63.7490, that switch subcategories consistent with §63.7545(h) after the initial compliance date, you must demonstrate compliance within 60 days of the effective date of the switch, unless you had previously conducted your compliance demonstration for this subcategory within the previous 12 months.

[78 FR 7164, Jan. 31, 2013, as amended at 80 FR 72808, Nov. 20, 2015]

§63.7515 When must I conduct subsequent performance tests, fuel analyses, or tune-ups?

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

(d) If you are required to meet an applicable tune-up work practice standard, you must conduct an annual, biennial, or 5-year performance tune-up according to §63.7540(a)(10), (11), or (12), respectively. Each annual tune-up specified in §63.7540(a)(10) must be no more than 13 months after the previous tune-up. Each biennial tune-up specified in §63.7540(a)(11) must be conducted no more than 25 months after the previous tune-up. Each 5-year tune-up specified in §63.7540(a)(12) must be conducted no more than 61 months after the previous tune-up. For a new or reconstructed affected source (as defined in §63.7490), the first annual, biennial, or 5-year tune-up must be no later than 13 months, 25 months, or 61 months, respectively, after April 1, 2013 or the initial startup of the new or reconstructed affected source, whichever is later.

(e) [NA – FUEL ANALYSIS NOT REQUIRED]

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(f) [NA – PERFORMANCE TESTING NOT REQUIRED]

(g) For affected sources (as defined in §63.7490) that have not operated since the previous compliance demonstration and more than one year has passed since the previous compliance demonstration, you must complete the subsequent compliance demonstration, if subject to the emission limits in Tables 1, 2, or 11 through 13 to this subpart, no later than 180 days after the re-start of the affected source and according to the applicable provisions in §63.7(a)(2) as cited in Table 10 to this subpart. You must complete a subsequent tune-up by following the procedures described in §63.7540(a)(10)(i) through (vi) and the schedule described in §63.7540(a)(13) for units that are not operating at the time of their scheduled tune-up.

(h) [NA – PERFORMANCE TESTING NOT REQUIRED]

(i) [NA – NO CO CEMS]

[78 FR 7165, Jan. 31, 2013, as amended at 80 FR 72808, Nov. 20, 2015]

§63.7520 What stack tests and procedures must I use? [NA – PERFORMANCE TESTING NOT REQUIRED]

§63.7521 What fuel analyses, fuel specification, and procedures must I use? [NA – FUEL ANALYSIS NOT REQUIRED SINCE NO EMISSION STANDARDS]

§63.7522 Can I use emissions averaging to comply with this subpart? [NA – NO EMISSION STANDARDS]

§63.7525 What are my monitoring, installation, operation, and maintenance requirements?

(a) [NA – NO EMISSION STANDARDS]

(b) [NA – NO EMISSION STANDARDS]

(c) [NA – NO EMISSION STANDARDS]

(d) [NA – NO CMS REQUIRED]

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

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

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

(h) [NA – NO ESP]

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

(j) [NA – NO BLDS]

(k) For each unit that meets the definition of limited-use boiler or process heater, you must keep fuel use records for the days the boiler or process heater was operating.

(l) – (m) [NA – NO EMISSION STANDARDS]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7171, Jan. 31, 2013; 80 FR 72810, Nov. 20, 2015]

§63.7530 How do I demonstrate initial compliance with the emission limitations, fuel specifications and work practice standards?

(a) – (c) [NA – NO EMISSION STANDARDS]

(d)[Reserved]

**SECTION E. Source Group Restrictions.**

(e) You must include with the Notification of Compliance Status a signed certification that either the energy assessment was completed according to Table 3 to this subpart, and that the assessment is an accurate depiction of your facility at the time of the assessment, or that the maximum number of on-site technical hours specified in the definition of energy assessment applicable to the facility has been expended.

(f) You must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in §63.7545(e).

(g) [UNITS TO NOT USE "OTHER GAS 1 FUEL"]

(h) – (i) [NA – NO EMISSION STANDARDS]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7174, Jan. 31, 2013; 80 FR 72811, Nov. 20, 2015]

§63.7533 Can I use efficiency credits earned from implementation of energy conservation measures to comply with this subpart? [NA – NO EMISSION STANDARDS]

CONTINUOUS COMPLIANCE REQUIREMENTS

§63.7535 Is there a minimum amount of monitoring data I must obtain? [NA – NO CMS REQUIRED]

§63.7540 How do I demonstrate continuous compliance with the emission limitations, fuel specifications and work practice standards?

(a) You must demonstrate continuous compliance with each emission limit in Tables 1 and 2 or 11 through 13 to this subpart, the work practice standards in Table 3 to this subpart, and the operating limits in Table 4 to this subpart that applies to you according to the methods specified in Table 8 to this subpart and paragraphs (a)(1) through (19) of this section.

(1) [NA – NO EMISSION STANDARDS]

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

(i) – (ii) [NA – NO EMISSION STANDARDS]

(3) – (9) [NA – NO EMISSION STANDARDS]

(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

**SECTION E. Source Group Restrictions.**

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;

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

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

(11) If your boiler or process heater has a heat input capacity of less than 10 million Btu per hour (except as specified in paragraph (a)(12) of this section), you must conduct a biennial tune-up of the boiler or process heater as specified in paragraphs (a)(10)(i) through (vi) of this section to demonstrate continuous compliance.

(12) 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) [NA – NO EMISSION STANDARDS]

(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) [NA – NO EMISSION STANDARDS]

[78 FR 7179, Jan. 31, 2013, as amended at 80 FR 72813, Nov. 20, 2015]

§63.7541 How do I demonstrate continuous compliance under the emissions averaging provision? [NA – NO EMISSION STANDARDS]

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7485]

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

Am I subject to this subpart?

**SECTION E. Source Group Restrictions.****NOTIFICATION, REPORTS, AND RECORDS**

§63.7545 What notifications must I submit and when?

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

(b) As specified in §63.9(b)(2), if you startup your affected source before January 31, 2013, you must submit an Initial Notification not later than 120 days after January 31, 2013.

(c) As specified in §63.9(b)(4) and (5), if you startup your new or reconstructed affected source on or after January 31, 2013, you must submit an Initial Notification not later than 15 days after the actual date of startup of the affected source.

(d) [NA – PERFORMANCE TESTING NOT REQUIRED]

(e) If you are required to conduct an initial compliance demonstration as specified in §63.7530, you must submit a Notification of Compliance Status according to §63.9(h)(2)(ii). For the initial compliance demonstration for each boiler or process heater, you must submit the Notification of Compliance Status, including all performance test results and fuel analyses, before the close of business on the 60th day following the completion of all performance test and/or other initial compliance demonstrations for all boiler or process heaters at the facility according to §63.10(d)(2). The Notification of Compliance Status report must contain all the information specified in paragraphs (e)(1) through (8) of this section, as applicable. If you are not required to conduct an initial compliance demonstration as specified in §63.7530(a), the Notification of Compliance Status must only contain the information specified in paragraphs (e)(1) and (8) of this section and must be submitted within 60 days of the compliance date specified at §63.7495(b).

(1) A description of the affected unit(s) including identification of which subcategories the unit is in, the design heat input capacity of the unit, a description of the add-on controls used on the unit to comply with this subpart, description of the fuel(s) burned, including whether the fuel(s) were a secondary material determined by you or the EPA through a petition process to be a non-waste under §241.3 of this chapter, whether the fuel(s) were a secondary material processed from discarded non-hazardous secondary materials within the meaning of §241.3 of this chapter, and justification for the selection of fuel(s) burned during the compliance demonstration.

(2) – (5) [NA – NO EMISSION STANDARDS]

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

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

(8) In addition to the information required in §63.9(h)(2), your notification of compliance status must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

(i) "This facility completed the required initial tune-up for all of the boilers and process heaters covered by 40 CFR part 63 subpart DDDDD at this site according to the procedures in §63.7540(a)(10)(i) through (vi)."

(ii) "This facility has had an energy assessment performed according to §63.7530(e)."

(iii) Except for units that burn only natural gas, refinery gas, or other gas 1 fuel, or units that qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act, include the following: "No secondary materials that are solid waste were combusted in any affected unit."

(f) If you operate a unit designed to burn natural gas, refinery gas, or other gas 1 fuels that is subject to this subpart, and you intend to use a fuel other than natural gas, refinery gas, gaseous fuel subject to another subpart of this part, part 60, 61, or 65, or other gas 1 fuel to fire the affected unit during a period of natural gas curtailment or supply interruption, as defined in §63.7575, you must submit a notification of alternative fuel use within 48 hours of the declaration of each period of natural gas curtailment or supply interruption, as defined in §63.7575. The notification must include the information specified in

**SECTION E. Source Group Restrictions.**

paragraphs (f)(1) through (5) of this section.

(1) Company name and address.

(2) Identification of the affected unit.

(3) Reason you are unable to use natural gas or equivalent fuel, including the date when the natural gas curtailment was declared or the natural gas supply interruption began.

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

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

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

(h) If you have switched fuels or made a physical change to the boiler or process heater and the fuel switch or physical change resulted in the applicability of a different subcategory, you must provide notice of the date upon which you switched fuels or made the physical change within 30 days of the switch/change. The notification must identify:

(1) The name of the owner or operator of the affected source, as defined in §63.7490, the location of the source, the boiler(s) and process heater(s) that have switched fuels, were physically changed, and the date of the notice.

(2) The currently applicable subcategory under this subpart.

(3) The date upon which the fuel switch or physical change occurred.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7183, Jan. 31, 2013; 80 FR 72814, Nov. 20, 2015]

§63.7550 What reports must I submit and when?

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

TABLE 9 REQUIREMENTS

As stated in § 63.7550, you must comply with the following requirements for reports:

You must submit a compliance report. The report must contain

a. Information required in § 63.7550(c)(1) through (5); and

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

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

d. [NA – NO EMISSION STANDARDS]

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

**SECTION E. Source Group Restrictions.****END OF TABLE 9 REQUIREMENTS**

(b) Unless the EPA Administrator has approved a different schedule for submission of reports under §63.10(a), you must submit each report, according to paragraph (h) of this section, by the date in Table 9 to this subpart and according to the requirements in paragraphs (b)(1) through (4) of this section. For units that are subject only to a requirement to conduct subsequent annual, biennial, or 5-year tune-up according to §63.7540(a)(10), (11), or (12), respectively, and not subject to emission limits or Table 4 operating limits, you may submit only an annual, biennial, or 5-year compliance report, as applicable, as specified in paragraphs (b)(1) through (4) of this section, instead of a semi-annual compliance report.

(1) The first semi-annual compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in §63.7495 and ending on June 30 or December 31, whichever date is the first date that occurs at least 180 days after the compliance date that is specified for your source in §63.7495. If submitting an annual, biennial, or 5-year compliance report, the first compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in §63.7495 and ending on December 31 within 1, 2, or 5 years, as applicable, after the compliance date that is specified for your source in §63.7495.

(2) The first semi-annual compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in §63.7495. The first annual, biennial, or 5-year compliance report must be postmarked or submitted no later than January 31.

(3) Each subsequent semi-annual compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Annual, biennial, and 5-year compliance reports must cover the applicable 1-, 2-, or 5-year periods from January 1 to December 31.

(4) Each subsequent semi-annual compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period. Annual, biennial, and 5-year compliance reports must be postmarked or submitted no later than January 31.

(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, and paragraph (c)(5)(iv) of this section for limited-use boiler or process heater.

(2) [NA – FUEL ANALYSIS NOT REQUIRED]

(3) – (4) [NA – NO EMISSION STANDARDS]

(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) The total operating time during the reporting period.

(v) – (xiii) [NA – NO EMISSION STANDARDS]

(xiv) Include the date of the most recent tune-up for each unit subject to only the requirement to conduct an annual, biennial, or 5-year tune-up according to §63.7540(a)(10), (11), or (12) respectively. Include the date of the most recent burner

**SECTION E. Source Group Restrictions.**

inspection if it was not done annually, biennially, or on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.

(xv) – (xvi) [NA – NO EMISSION STANDARDS]

(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) [NA – NO EMISSION STANDARDS]

(d) – (e) [NA – NO EMISSION STANDARDS]

(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) [NA – NO EMISSION STANDARDS]

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

[78 FR 7183, Jan. 31, 2013, as amended at 80 FR 72814, Nov. 20, 2015]

§63.7555 What records must I keep?

(a) You must keep records according to paragraphs (a)(1) 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) For units in the limited use subcategory, you must keep a copy of the federally enforceable permit that limits the annual capacity factor to less than or equal to 10 percent and fuel use records for the days the boiler or process heater was operating.

(b) – (g) [NA – NO EMISSION STANDARDS]

(h) If you operate a unit in the unit designed to burn gas 1 subcategory that is subject to this subpart, and you use an alternative fuel other than natural gas, refinery gas, gaseous fuel subject to another subpart under this part, other gas 1 fuel, or gaseous fuel subject to another subpart of this part or part 60, 61, or 65, you must keep records of the total hours per calendar year that alternative fuel is burned and the total hours per calendar year that the unit operated during periods of gas curtailment or gas supply emergencies.

(i) and (j) [Removed]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7185, Jan. 31, 2013; 80 FR 72816, Nov. 20, 2015]

§63.7560 In what form and how long must I keep my records?

**SECTION E. Source Group Restrictions.**

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

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

(c) You must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records off site for the remaining 3 years.

OTHER REQUIREMENTS AND INFORMATION

§63.7565 What parts of the General Provisions apply to me?

Table 10 to this subpart shows which parts of the General Provisions in §§63.1 through 63.15 apply to you.

§63.7570 Who implements and enforces this subpart? [INCORPORATED BY REFERENCE]

§63.7575 What definitions apply to this subpart? [INCORPORATED BY REFERENCE]

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7485]

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

Am I subject to this subpart?

Regulatory Changes

Individual sources within this source group that are subject to 40 CFR Part 63 Subpart DDDDD shall comply with all applicable requirements of the Subpart. 40 CFR 63.13(a) requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

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

The Department copies shall be forwarded to:

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

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

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 020

Group Description: VOC PAL Requirements

[Sources included in this group](#)

ID	Name
031	JOHNSON BOILER BLDG 1
032	JOHNSON BOILER BLDG 1
036	JOHNSON BOILER BLDG 3
037	JOHNSON BOILER BLDG 3
041	SMITH BOILER BLDG 12
042	SMITH BOILER BLDG 12
046A	C-B BOILER BLDG 37SW
051	SMITH BOILER BLDG 51
052	YORK-SHIPLEY BOILER BLDG 57
053	YORK-SHIPLEY BOILER BLDG 57
083	SMITH BOILER BLDG 5316
086	(35) BOILERS 2.5 MMBTU/HR OR LESS
087	(9) BOILERS >2.5 AND <50 MMBTU/HR
088	(333) PROPANE / NATURAL GAS HEATERS
102B	COATING BOOTH #U8145 IN BLDG 57 (BOOTH 1)
103B	COATING BOOTH #U8146 IN BLDG 57 (BOOTH 2)
106	PAINT BOOTH 59 BLDG 350
107	PAINT BOOTH 60 BLDG 350
108	PAINT BOOTH 61 BLDG 350
109A	PAINT BOOTH 58 BLDG 350
111	PAINT BOOTH 3886 BLDG 320
112	PAINT BOOTH 3880 BLDG 320
113	PAINT BOOTH 3882 BLDG 320
114	PAINT BOOTH 3885 BLDG 320
121	PAINT BOOTH 3881 BLDG 320
122	PAINT BOOTH 4378 BLDG 320
123	PAINT BOOTH 200 BLDG 370
125	PAINT BOOTH 2813 BLDG 370
126	PAINT BOOTH 4298 BLDG 370
128	PAINT BOOTH 4226 BLDG 37
131	PAINT BOOTH 6744 BLDG 37
132	PAINT BOOTH 3884 BLDG 320
137	PAINT BOOTH 8052 BLDG 37
140	PAINT BOOTHS IN AMMO AREA
142	PAINT BOOTH 3883 BLDG 320
143	INDUSTRIAL WASTE WATER TREATMENT PLANT
144	SPECIALTY COATINGS/STENCILING INKS
145	PHOTOGRAPHIC/PRINTING OPERATIONS
146	EMERGENCY CI ICE
147	(12) DIESEL ENGINE TEST CELLS
148	METAL PRETREATMENT ACID WASH
200	PAINT BOOTH 4757 BLDG 370
202	PAINT BOOTH S3599 BLDG 1N

**SECTION E. Source Group Restrictions.**

203	PAINT BOOTH 3155 BLDG 5807
204	BLDG. 350 STAND-ALONE PAINT BOOTH
205	BLDG 320 IR DRYING/COATING BOOTH #4115
300	PAINTING OUTSIDE BOOTHS
301A	CLEAN UP SOLVENTS
302	STATIC FIRING
401A	OPEN BURNING/FLASH OFF OF MILITARY
401B	OPEN DETONATION
401C	FLASHING FURNACE
419	COLD CLEANING MACHINES
420	ABOVE GROUND GASOLINE STORAGE TANKS > 2000 GALLONS
421A	TWO PAINT STRIPPING TANKS, T-1 & T-2, BLDG 377
422	AP ROCKET MOTOR DESTRUCTION FACILITY
423	ONE PAINT STRIPPING TANK, DT-12 - BLDG 350 MTA

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §127.218.]****PALs.**

(a) In accordance with the plantwide applicability limit (PAL) provisions of 25 Pa. Code Section 127.218(g), the total combined volatile organic compound (VOC) emissions, including fugitive emissions, from this facility shall not exceed 118.29 tons in any 12-consecutive month period. The effective date of this VOC PAL is the issue date (10/23/18) of this plan approval (28-05002R) and the PAL period will expire 10 years from this issue date.

(b) In accordance with the plantwide applicability limit (PAL) provisions of 25 Pa. Code Section 127.218(g), emission calculations for compliance with the VOC PAL shall include emissions from startups, shutdowns and malfunctions.

(c) In accordance with 25 Pa Code Section 127.218(g)(3), if the permittee applies to renew a PAL in accordance with 25 Pa Code Section 127.218(k) before the end of the PAL effective period, the PAL permit does not expire at the end of the PAL effective period. The PAL permit remains in effect until the Department issues a revised PAL permit.

(d) In accordance with 25 Pa Code Section 127.218(g)(5), upon expiration of the PAL permit, the permittee is subject to the requirements of subsection 25 Pa Code Section 127.218(j).

(e) In accordance with 25 Pa Code Section 127.218(g)(6), the permittee shall use the calculations procedures to convert the monitoring system data to monthly emissions and annual emissions based on a 12-month rolling total for each month as required by 25 Pa Code Section 127.218(n)(1).

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 §127.218.]****PALs.**

(a) In accordance with 25 Pa Code 127.218(m), the permittee shall maintain a VOC emission tracking system to document compliance with the VOC PAL. The system shall, at a minimum, include the following monitoring approaches:

**SECTION E. Source Group Restrictions.****(1) Combustion Units and Combustion Sources (See Source Listing in Miscellaneous Section H)**

- (i) Monthly combined fuel usage for all combustion units and combustion sources, by fuel type.
- (ii) An emission factor obtained from the latest edition of US EPAs AP-42 emission factor database.

(2) Emergency Generators (Source ID 146)

- (i) Monthly fuel usage.
- (ii) An emission factor obtained from the latest edition of a US EPA emission factor database.

(3) Engine Test Cells (Source ID 147)

- (i) Monthly fuel usage.
- (ii) An emission factor obtained from the latest edition of a US EPA emission factor database.

(4) Coating Booths (See Source Listing in Miscellaneous Section H)

- (i) Daily and monthly volume of coating, thinner and other component used at each paint booth/location.
- (ii) Material VOC content.

(5) Speciality Coating/Stenciling Ink (Source ID 144)

- (i) Daily and monthly volume of coating, ink, thinner and other component used at each paint booth/location.
- (ii) Material VOC content.

(6) Metal Pretreatment Acid Wash (Source ID 148)

- (i) Daily and monthly volume of metal pretreatment acid wash used at each paint booth/location.
- (ii) Material VOC content.

(7) Clean Up Solvents (Source ID 301A)

- (i) The daily and monthly volume of clean up solvents used at each paint booth/location.
- (ii) The daily and monthly volume of clean up solvents disposed of into waste drums at each paint booth/location.
- (iii) Solvent VOC content.

(8) Industrial Wastewater Treatment Plant (Source ID 143)

- (i) Daily and monthly total influent flow.
- (ii) Emission factor.

(9) Above Ground Fuel Storage Tanks (Source ID 420)

- (i) Monthly gasoline and diesel fuel throughput, including deliveries and dispensing.
- (ii) An emission factor obtained from the latest edition of US EPAs AP-42 emission factor database.

(10) Metal Treatment Dip Tanks (Source IDs 421A and 423)

- (i) Monthly volume of chemical additions, per tank.
- (ii) Chemical VOC content.

(11) Static Firing (Source ID 302), Open Burning (Source ID 401A), Open Detonation (Source ID 401B)

- (i) Daily and monthly shot records.
- (ii) EPA-approved emission factors.

(12) [NA - formerly Regenerative Thermal Oxidizer, removed under plan approval 28-05002S]

**SECTION E. Source Group Restrictions.****(13) ARMD Facility (Source ID 422)**

- (i) Daily and monthly rocket motors treated.
- (ii) Emission factor determined by stack testing.

(14) Photographic/Printing Operations (Source ID 145)

- (i) Monthly volume of product usage.
- (ii) Product VOC content.

(15) Flashing Furnace (Source ID 401C)

- (i) Daily and monthly records of units treated in the flashing furnace.
- (ii) EPA-approved emission factors.

(16) Cold Cleaning Machines (Source ID 419)

- (i) Monthly product/solvent delivery volume.
- (ii) Monthly volume of product/solvent usage.
- (iii) Monthly volume of product/solvent disposal.
- (iv) Product/solvent VOC content.

(b) Failure to use a monitoring system that meets the requirements of this section renders the PAL permit invalid.

(c) An owner or operator of a facility shall record and report maximum potential emissions without considering enforceable emissions limitations or operational restrictions for an emissions unit during a period of time that there is no monitoring data, unless another method for determining emissions during these periods is specified in the PAL permit.

(d) Data used to establish the PAL must be revalidated through performance testing or other scientifically valid means approved in writing by the Department. This testing must occur at least once every 5 years after issuance of the PAL permit.
[NOTE: THIS CONDITION IS SATISFIED FOR THIS FACILITY BY THE USE OF MASS BALANCE AND EMISSION FACTORS]

003 [25 Pa. Code §127.218.]**PALs.**

An owner or operator of a major facility using mass balance calculations to monitor VOC emissions from activities using coating or solvents shall meet the following requirements:

- (i) Provide a demonstrated means of validating the published content of the VOCs that are contained in or created by all materials used in or at the emissions unit.
- (ii) Assume that the emissions unit emits all of the VOCs that are contained in or created by any raw material or fuel used in or at the emissions unit, if it cannot otherwise be accounted for in the process.
- (iii) If the vendor of a material or fuel used in or at the emissions unit publishes a range of pollutant content from the material, the owner or operator shall use the highest value of the range to calculate the VOC emissions unless the Department determines, in writing, that there is site specific data or a site-specific monitoring program to support another content within the range.

[25 Pa Code 127.218(m)(6)]

004 [25 Pa. Code §127.218.]**PALs.**

An owner or operator of a major facility using emission factors to monitor PAL pollutant emissions shall:

- (i) Adjust the emission factors to account for the degree of uncertainty or limitations in the development of the factors.

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(ii) Operate the emissions unit within the designated range of use for the emission factor, if applicable.

(iii) Conduct validation testing to determine a site-specific emission factor within 6 months of PAL permit issuance, unless the Department determines, in writing, that testing is not required.

[25 Pa Code 127.218(m)(9)]

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

When using material mass balance to determine VOC emissions from VOC containing materials, the permittee shall keep records and demonstrate the VOC/HAP content of each VOC/HAP containing material by one of the following methods, unless otherwise approved by the Department in writing:

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

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

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

(d) The permittee may determine the VOC/HAP content of other VOC/HAP containing materials by maintaining VOC/HAP data sheets from the manufacturer.

IV. RECORDKEEPING REQUIREMENTS.**# 006 [25 Pa. Code §127.218.]****PALs.**

In accordance with the plantwide applicability limit (PAL) provisions of 25 Pa. Code Section 127.218(c), for each month during the PAL effective period after the first 12 months of establishing a PAL, the owner or operator of the major facility shall show that the sum of the monthly emissions from each emissions unit under the PAL for the previous 12 consecutive months, expressed as a 12-month rolling total, is less than the PAL. For each month during the first 11 months from the PAL effective date, the owner or operator of the major facility shall show that the sum of the preceding monthly emissions from the PAL effective date for each emissions unit under the PAL is less than the PAL.

007 [25 Pa. Code §127.218.]**PALs.**

(a) The following PAL requirements apply to this facility:

(1) The permittee shall retain a copy of the records necessary to determine compliance with the PAL, including a determination of the 12-month rolling total emissions for each emissions unit, for 5 years. At a minimum, the following records shall be maintained:

(1) Combustion Units and Combustion Sources (See Source Listing in Miscellaneous Section H)

(i) Monthly combined fuel usage for all combustion units and combustion sources, by fuel type.

(ii) Emission factor used & source of emission factor.

(2) Emergency Generators (Source ID 146)

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- (i) Monthly fuel usage.
 - (ii) Emission factor used & source of emission factor.
- (3) Engine Test Cells (Source ID 147)
- (i) Monthly fuel usage.
 - (ii) Emission factor used & source of emission factor.
- (4) Coating Booths (See Source Listing in Miscellaneous Section H)
- (i) Daily and monthly volume of each coating, thinner and other component used at each paint booth/location.
 - (ii) The VOC content of each coating, thinner and other component as supplied.
 - (iii) The VOC content of each as applied coating.
- (5) Speciality Coating/Stenciling Ink (Source ID 144)
- (i) Daily and monthly volume of each coating, ink, thinner and other component used at each paint booth/location.
 - (ii) The VOC content of each coating, ink, thinner and other component as supplied.
 - (iii) The VOC content of each as applied speciality coating/stenciling ink.
- (6) Metal Pretreatment Acid Wash (Source ID 148)
- (i) Daily and monthly volume of each metal pretreatment acid wash used at each paint booth/location.
 - (ii) The VOC content of each metal pretreatment acid wash, as supplied.
 - (iii) The VOC content of each as applied metal pretreatment acid wash.
- (7) Clean Up Solvents (Source ID 301A)
- (i) The daily and monthly volume of clean up solvents used at each paint booth/location.
 - (ii) The daily and monthly volume of clean up solvents disposed of into waste drums at each paint booth/location.
 - (iii) The VOC content of each solvent.
- (8) Industrial Wastewater Treatment Plant (Source ID 143)
- (i) Daily and monthly total influent flow.
 - (ii) Emission factor used & source of emission factor.
- (9) Above Ground Fuel Storage Tanks (Source ID 420)
- (i) Monthly fuel throughput, including deliveries and dispensing, by fuel type.
 - (ii) Emission factor used & source of emission factor.
- (10) Metal Treatment Dip Tanks (Source IDs 421A and 423)
- (i) The monthly volume of each chemical addition, per tank.
 - (ii) The VOC content of each chemical.
- (11) [NA - formerly Regenerative Thermal Oxidizer, removed under plan approval 28-05002S]
- (12) Static Firing (Source ID 302), Open Burning (Source ID 401A), Open Detonation (Source ID 401B)
- (i) Daily and monthly shot records for each source.
 - (ii) Emission factor used & source of emission factor.
- (13) ARMD Facility (Source ID 422)
- (i) Daily and monthly number and type of each rocket motor treated.

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(ii) Emission factor used & source of emission factor.

(14) Photographic/Printing Operations (Source ID 145)

(i) Monthly volume of product usage.

(ii) The VOC content of each product used.

(15) Flashing Furnace (Source ID 401C)

(i) Daily and monthly records of all units treated in the flashing furnace.

(ii) Emission factor used & source of emission factor.

(16) Cold Cleaning Machines (Source ID 419)

(i) Monthly product/solvent delivery volume.

(ii) Monthly volume of product/solvent usage.

(iii) Monthly volume of product/solvent disposal.

(iv) The VOC content of each product/solvent.

(2) The permittee shall retain a copy of the following records for the duration of the PAL effective period and 5 years after the PAL permit expires:

(i) A copy of the PAL permit application and applications for revisions to the PAL permit.

(ii) Each annual certification of compliance required under Title V of the Clean Air Act (42 U.S.C.A. § 7661-7661f) and regulations adopted under the act and the data relied on in certifying the compliance.

(b) The records required under 25 Pa Code 127.218(n) shall be retrievable onsite.

[25 Pa Code 127.218(n) & (g)(8)]

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.

008 [25 Pa. Code §127.218.]

PALS.

This VOC PAL is subject to the State PAL conditions in Group 021, Generic State PAL Requirements.

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 021

Group Description: Generic State PAL Requirements

[Sources included in this group](#)

ID	Name
031	JOHNSON BOILER BLDG 1
032	JOHNSON BOILER BLDG 1
036	JOHNSON BOILER BLDG 3
037	JOHNSON BOILER BLDG 3
041	SMITH BOILER BLDG 12
042	SMITH BOILER BLDG 12
046A	C-B BOILER BLDG 37SW
051	SMITH BOILER BLDG 51
052	YORK-SHIPLEY BOILER BLDG 57
053	YORK-SHIPLEY BOILER BLDG 57
083	SMITH BOILER BLDG 5316
086	(35) BOILERS 2.5 MMBTU/HR OR LESS
087	(9) BOILERS >2.5 AND <50 MMBTU/HR
088	(333) PROPANE / NATURAL GAS HEATERS
102B	COATING BOOTH #U8145 IN BLDG 57 (BOOTH 1)
103B	COATING BOOTH #U8146 IN BLDG 57 (BOOTH 2)
106	PAINT BOOTH 59 BLDG 350
107	PAINT BOOTH 60 BLDG 350
108	PAINT BOOTH 61 BLDG 350
109A	PAINT BOOTH 58 BLDG 350
111	PAINT BOOTH 3886 BLDG 320
112	PAINT BOOTH 3880 BLDG 320
113	PAINT BOOTH 3882 BLDG 320
114	PAINT BOOTH 3885 BLDG 320
121	PAINT BOOTH 3881 BLDG 320
122	PAINT BOOTH 4378 BLDG 320
123	PAINT BOOTH 200 BLDG 370
125	PAINT BOOTH 2813 BLDG 370
126	PAINT BOOTH 4298 BLDG 370
128	PAINT BOOTH 4226 BLDG 37
131	PAINT BOOTH 6744 BLDG 37
132	PAINT BOOTH 3884 BLDG 320
137	PAINT BOOTH 8052 BLDG 37
140	PAINT BOOTHS IN AMMO AREA
142	PAINT BOOTH 3883 BLDG 320
143	INDUSTRIAL WASTE WATER TREATMENT PLANT
144	SPECIALTY COATINGS/STENCILING INKS
145	PHOTOGRAPHIC/PRINTING OPERATIONS
146	EMERGENCY CI ICE
147	(12) DIESEL ENGINE TEST CELLS
148	METAL PRETREATMENT ACID WASH
200	PAINT BOOTH 4757 BLDG 370
202	PAINT BOOTH S3599 BLDG 1N

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203	PAINT BOOTH 3155 BLDG 5807
204	BLDG. 350 STAND-ALONE PAINT BOOTH
205	BLDG 320 IR DRYING/COATING BOOTH #4115
300	PAINTING OUTSIDE BOOTHS
301A	CLEAN UP SOLVENTS
302	STATIC FIRING
401A	OPEN BURNING/FLASH OFF OF MILITARY
401B	OPEN DETONATION
401C	FLASHING FURNACE
419	COLD CLEANING MACHINES
420	ABOVE GROUND GASOLINE STORAGE TANKS > 2000 GALLONS
421A	TWO PAINT STRIPPING TANKS, T-1 & T-2, BLDG 377
422	AP ROCKET MOTOR DESTRUCTION FACILITY
423	ONE PAINT STRIPPING TANK, DT-12 - BLDG 350 MTA

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.**# 001 [25 Pa. Code §127.218.]****PALs.**

(a) The following PAL requirements apply to this facility:

(1) The permittee shall submit semiannual monitoring reports and prompt deviation reports to the Department in accordance with the Title V operating permit requirements of Subchapters F and G (relating to operating permit requirements; and Title V operating permits).

(2) The semiannual reports must:

(i) Be submitted to the Department within 30 days of the end of each reporting period (Jan-June & July-Dec).

(ii) Contain the following information:

(A) The identification of the owner and operator and the permit number.

**SECTION E. Source Group Restrictions.**

(B) Total annual emissions in TPY based on a 12-month rolling total for each month in the reporting period recorded in compliance with 25 Pa Code 127.218(n)(1).

(C) Data relied upon, including the quality assurance or quality control data, in calculating the monthly and annual PAL pollutant emissions.

(D) A list of the emissions units modified or added to the major facility during the preceding 6-month period.

(E) The number, duration and cause of deviations or monitoring malfunctions, other than the time associated with zero and span calibration checks, and the corrective action taken.

(F) A notification of a shutdown of a monitoring system, whether the shutdown was permanent or temporary, the reason for the shutdown, the anticipated date that the monitoring system will be fully operational or replaced with another monitoring system, whether the emissions unit monitored by the monitoring system continued to operate, and the calculation of the emissions of the pollutant or the number determined by the method included in the permit under 25 Pa Code 127.218(m)(10).

(G) A statement signed by a responsible official of the company that owns or operates the facility certifying the truth, accuracy and completeness of the information provided in the report.

(3) The reports of deviations and exceedances of the PAL requirements, including periods in which no monitoring is available, must:

(i) Be submitted to the Department promptly. A report submitted under Subchapter G satisfies this reporting requirement.

(ii) Contain the following information:

(A) The identification of the owner and operator and the permit number.

(B) The PAL requirement that experienced the deviation or that was exceeded.

(C) Emissions resulting from the deviation or the exceedance.

(D) A statement signed by a responsible official of the company that owns or operates the facility certifying the truth, accuracy and completeness of the information provided in the report.

(4) The permittee shall submit to the Department the results of any revalidation test or method within 3 months after completion of the test or method.

[25 Pa Code 127.218(o)]

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

002 [25 Pa. Code §127.218.]

PALs.

The Department may modify or supersede any PAL which was established prior to the date of approval of the PAL provisions by the EPA as a revision to the SIP.

[25 Pa Code 127.218(p)]

**SECTION E. Source Group Restrictions.****# 003 [25 Pa. Code §127.218.]****PALs.**

Emissions from a new source that requires a plan approval shall be the minimum attainable through the use of BAT. A physical change or change in method of operation at an existing emissions unit will not be subject to BAT requirements of 25 Pa Code, Chapter 127 unless the emissions unit is modified so that the fixed capital cost of new components exceeds 50% of the fixed capital cost that would be required to construct a comparable entirely new emissions unit.

[25 Pa Code 127.218(g)(10)]

004 [25 Pa. Code §127.218.]**PALs.**

(a) The following requirements apply to reopening of the PAL permit:

(1) During the PAL effective period, the Department will reopen the PAL permit to:

(i) Correct typographical/calculation errors made in setting the PAL or reflect a more accurate determination of emissions used to establish the PAL.

(ii) Reduce the PAL if the owner or operator of the major facility creates creditable emissions reductions for use as offsets under § 127.207 (relating to creditable emissions decrease or ERC generation or creation).

(iii) Revise the PAL to reflect an increase in the PAL as provided under 25 Pa Code 127.218(l).

(2) The Department may reopen the PAL permit to reduce the PAL:

(i) To reflect newly applicable Federal requirements with compliance dates after the PAL effective date.

(ii) Consistent with a requirement that is enforceable as a practical matter and that the Department may impose on the major facility consistent with all applicable requirements.

(iii) If the Department determines that a reduction is necessary to avoid causing or contributing to:

(A) A NAAQS or PSD increment violation.

(B) An adverse impact on an air quality related value that has been identified for a Federal Class I area by a Federal land manager and for which information is available to the general public.

(3) Except for the permit reopening paragraph (1)(i) for the correction of typographical/calculation errors that do not increase the PAL level, other reopening shall be carried out in accordance with the public participation requirements of 25 Pa Code 127.218(e).

(b) A PAL permit which is not renewed in accordance with the procedures in 25 Pa Code 127.218(k) expires at the end of the PAL effective period and the following requirements apply:

(1) The owner or operator of each emissions unit or each group of emissions units that existed under the PAL shall comply with an allowable emissions limitation under a revised permit established according to the following procedures:

(i) Within the time frame specified for PAL permit renewals in 25 Pa Code 127.218(k)(2), the owner or operator of the major facility shall submit a proposed allowable emissions limitation for each emissions unit, or each group of emissions units if this distribution of allowable emissions is more appropriate as determined by the Department, by distributing the PAL allowable emissions for the major facility among each of the emissions units that existed under the PAL permit. If the PAL permit has not been adjusted for an applicable requirement that became effective during the PAL effective period, as required under 25 Pa Code 127.218(k)(5), this distribution is made as if the PAL permit has been adjusted.

(ii) The Department will decide whether and how to distribute the PAL allowable emissions and issue a revised PAL

**SECTION E. Source Group Restrictions.**

permit incorporating allowable limits for each emissions unit or each group of emissions units.

(2) The owner or operator of each emissions unit or group of emissions units shall comply with the allowable emissions limitation on a 12-month rolling basis. The Department may approve the use of emissions monitoring systems other than CEMS, CERMS, PEMS or CPMS to demonstrate compliance with the allowable emissions limitation.

(3) Until the Department issues the revised PAL permit incorporating the allowable limits for each emissions unit or group of emissions units required under paragraph (1)(i), the owner or operator of the facility shall continue to comply with a facility-wide, multi-unit emissions cap equivalent to the level of the PAL emissions limitation.

(4) A physical change or change in the method of operation at the major facility is subject to Subchapter E, New Source Review, if the change meets the definition of major modification.

(5) The owner or operator of the major facility shall continue to comply with any State or Federal applicable requirements including BAT, BACT, RACT or NSPS that may have applied either during the PAL effective period or prior to the PAL effective period except for those emissions limitations that had been established under § 127.203(e)(2), but were eliminated by the PAL in accordance with the provisions in 25 Pa Code 127.218(a)(3)(iii).

(c) The following requirements apply to renewal of a PAL:

(1) The Department will follow the procedures specified in 25 Pa Code 127.218(e) in approving a request to renew a PAL permit for a major facility, and will provide both the proposed PAL level and a written rationale for the proposed PAL level to the public for review and comment in accordance with the applicable public notice requirements in §§ 127.44, 127.424 and 127.521. During the public review, a person may propose a PAL level for the major facility for consideration by the Department.

(2) An owner or operator of a major facility shall submit a timely application to the Department to request renewal of a PAL permit. A timely application is one that is submitted at least 6 months prior to, but not earlier than 18 months prior to the date of permit expiration. If the owner or operator of a major facility submits a complete application to renew the PAL permit within this time period, the PAL continues to be effective until the revised permit with the renewed PAL is issued.

(3) The application to renew a PAL permit must contain the following information:

(i) The information required in 25 Pa Code 127.218(b)(1) thru (3).

(ii) A proposed PAL level.

(iii) The sum of the potentials to emit of the emissions units under the PAL.

(iv) Other information the owner or operator wishes the Department to consider in determining the appropriate level at which to renew the PAL.

(4) The Department will consider the options in subparagraphs (i) and (ii) in determining whether and how to adjust the PAL. In no case may the adjustment fail to comply with subparagraphs (iii) and (iv).

(i) If the emissions level calculated in accordance with 25 Pa Code 127.218(f) is equal to or greater than 80% of the PAL level, the Department may renew the PAL at the same level without considering the factors set forth in subparagraph (ii).

(ii) The Department may set the PAL at a level that it determines to be more representative of the facility's baseline actual emissions or that it determines to be appropriate considering air quality needs, advances in control technology, anticipated economic growth in the area, desire to reward or encourage the facility's voluntary emissions reductions or other factors specifically identified by the Department in its written rationale.

(iii) If the potential to emit of the major facility is less than the PAL, the Department will adjust the PAL to a level no greater than the potential to emit of the facility.

(iv) The Department will not approve a renewed PAL level higher than the current PAL unless the major facility has

**SECTION E. Source Group Restrictions.**

complied with 25 Pa Code 127.218(l).

(5) If the compliance date for a State or Federal requirement that applies to the facility occurs during the PAL effective period and the Department has not already adjusted for this requirement, the PAL must be adjusted at the time of the PAL permit renewal or Title V permit renewal, whichever occurs first.

(d) The following requirements apply to increasing a PAL during the PAL effective period:

(1) The Department may increase a PAL emissions limitation during the PAL effective period if the owner or operator of the major facility complies with the following:

(i) The owner or operator of the major facility shall submit a complete application to request an increase in the PAL limit for a PAL major modification. The application must identify the emissions units contributing to the increase in emissions that cause the major facility's emissions to equal or exceed its PAL.

(ii) The owner or operator of the major facility shall demonstrate that the sum of the baseline actual emissions of the small emissions units assuming application of BAT, plus the sum of the baseline actual emissions of the significant and major emissions units assuming application of BACT equivalent controls, plus the sum of the allowable emissions of the new or modified emissions units exceeds the PAL. The level of control that would result from BAT or BACT equivalent controls on each small emissions unit, significant emissions unit or major emissions unit must be determined by conducting a new BAT or BACT analysis at the time the application is submitted unless the emissions unit is currently required to comply with a BAT, BACT or LAER requirement that was established within the preceding 10 years. In this case, the assumed control level for that emissions unit is equal to the level of BAT, BACT or LAER with which that emissions unit must currently comply.

(iii) The owner or operator of the major facility shall obtain a major NSR permit for all emissions units identified in subparagraph (i), regardless of the magnitude of the emissions increase resulting from them. The owner or operator of these emissions units shall comply with the applicable emissions requirements of this subchapter, even if the units are subject to a PAL or continue to be subject to a PAL.

(iv) The PAL permit must require that the increased PAL level be effective on the day any emissions unit that is part of the PAL major modification becomes operational and begins to emit the PAL pollutant.

(2) The Department will calculate the new PAL as the sum of the allowable emissions for each modified or new emissions unit, plus the sum of the baseline actual emissions of the significant and major emissions units assuming application of BACT equivalent controls determined in accordance with paragraph (1)(ii), plus the sum of the baseline actual emissions of the small emissions units.

(3) The PAL permit must be revised to reflect the increased PAL level under the public notice requirements of 25 Pa Code 127.218(e).

[25 Pa Code 127.218(i) thru (l)]

005 [25 Pa. Code §127.218.]**PALs.**

At no time during or after the PAL effective period are emissions reductions of a PAL pollutant, which occur during the PAL effective period, creditable as decreases for purposes of offsets under this subchapter unless the level of the PAL is reduced by the amount of the emissions reductions and the reductions would be creditable in the absence of the PAL.

[25 Pa Code 127.218(d)]

006 [25 Pa. Code §127.218.]**PALs.**

(a) A physical change in or change in the method of operation of a major facility that maintains its total facility-wide

**SECTION E. Source Group Restrictions.**

emissions below the PAL level, meets the requirements in 25 Pa Code 127.218(a) and 25 Pa Code 127.218(b) thru (n) and complies with the PAL permit is not:

- (1) A major modification for the PAL pollutant.
- (2) Subject to this subchapter.
- (3) Subject to § 127.203(e)(2) (relating to facilities subject to special permit requirements).

[25 Pa Code 127.218(a)(3)]

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 022

Group Description: Alternative Opacity Limitations (AOL)

Sources included in this group

ID	Name
422	AP ROCKET MOTOR DESTRUCTION FACILITY
C422	POLLUTION ABATEMENT SYSTEM (PAS)

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

The alternative opacity limitation not to be exceeded at any time is as follows:

Family 1: 35%

Family 4: 35%

Family 5: 55%

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

The alternative opacity limitation not to be exceeded more than 3 minutes in any 1 hour is as follows:

Family 1: 31%

Family 4: 36%

Family 5: 51%

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

The hourly average opacity limitation not to be exceeded at any time is as follows:

Family 1: 8%

Family 4: 10%

Family 5: 20%

II. TESTING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

For each AOL affected Rocket Motor Family, the permittee shall adhere to the following EPA Method 9 opacity monitoring approach:

a. Unless otherwise approved in writing by DEP, EPA Method 9 opacity testing shall be conducted for each firing cycle for one month.

b. Unless otherwise approved in writing by DEP, if the recorded observations in paragraph (a) above continue to indicate

**SECTION E. Source Group Restrictions.**

visual emissions opacity complies with the established AOL, monitoring shall be reduced to two, two-hour monitoring periods per day, for a period of one month.

c. Unless otherwise approved in writing by DEP, if the recorded observations in paragraph (b) above continue to indicate that visual emissions opacity complies with the established AOL, monitoring shall be reduced to one, one-hour monitoring period per week.

d. Unless otherwise approved in writing by DEP, if any of the recorded observations in paragraphs (b) or (c) indicate that any visual emissions opacity does not comply with the established AOL, then EPA Method 9 opacity testing shall recommence in accordance with paragraphs (a), (b), and (c) beginning with paragraph (a).

e. All EPA Method 9 opacity testing shall be conducted by an EPA Method 9 trained and qualified observer.

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

The permitted shall monitor and keep records of the following:

- a.) The results of all opacity testing conducted in accordance with Condition 004 above.
- b.) Issues leading to any AOL noncompliance and the steps taken to resolve the noncompliance.

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.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The compliance status of the AOL specified in Conditions 001, 002, and 003 above shall be included in the semiannual and annual reports submitted in accordance with Condition's #024 and #026, Section B of this Title V Operating Permit.

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: GROUP 023

Group Description: HCI CAM Plan

Sources included in this group

ID	Name
422	AP ROCKET MOTOR DESTRUCTION FACILITY
C422	POLLUTION ABATEMENT SYSTEM (PAS)

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The following are CAM related requirements for the ARMD Facility and Pollution Abatement System:

(a) The permittee shall use the approved process parameter(s) or indicator(s) to obtain data and monitor the emission control equipment performance.

1. Rocket Motors Fired
2. Venturi Scrubber Differential Pressure – in w.c.
3. Venturi Scrubber Water Flow Rate – gpm
4. Spray Tower Water Flow Rate – gpm
5. Wet Scrubber System Liquid – pH

(b) The permittee shall use the approved means or devices to measure the applicable indicator(s).

1. Rocket motors fired – daily recordkeeping
2. Venturi Scrubber Differential Pressure – Yokogawa Model EJA110E Differential Pressure Transmitter or equivalent.
3. Venturi Scrubber Water Flow Rate – Yokogawa Model AXF080C Flow Meter or equivalent
4. Spray Tower Water Flow Rate – Prosense Model FMM100-1002 Flow Meter or equivalent
5. Wet Scrubber System Liquid pH – Yokogawa model FU20 pH sensor or equivalent

(c) The permittee shall use the approved frequency for condition monitoring of indicator(s).

1. Rocket motors fired - daily
2. Venturi Scrubber Differential Pressure - continuous
3. Venturi Scrubber Water Flow Rate - continuous
4. Spray Tower Water Flow Rate - continuous
5. Wet Scrubber System Liquid pH - continuous

(d) The permittee shall use the approved period over which discrete data points for approved indicator(s) will be collected and averaged for the purpose of determining an excursion.

1. Rocket motors fired – N/A
2. Venturi Scrubber Differential Pressure – hourly rolling average
3. Venturi Scrubber Water Flow Rate – hourly rolling average
4. Spray Tower Water Flow Rate – hourly rolling average
5. Wet Scrubber System Liquid pH – hourly rolling average

**SECTION E. Source Group Restrictions.****IV. RECORDKEEPING REQUIREMENTS.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements.

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

The following are CAM related requirements:

a.) The permittee shall maintain continuous and hourly rolling average records of each of the following parameters:

1. Venturi Scrubber Differential Pressure (in. w.c.)
2. Venturi Scrubber Water Flow Rate (gpm)
3. Spray Tower Water Flow Rate (gpm)
4. Wet Scrubber System Liquid pH

b.) The permittee shall maintain daily records of the rocket motors fired for purposes of making adjustments of the rocket motors that can be fired for each successive month. The adjustments will be based on emission factors developed during performance testing and the prior 11-month rolling HCl emissions that are calculated for the ARMD unit.

c.) The permittee shall maintain records of any written quality improvement plan required pursuant to § 64.8 and Condition #010, and any activities undertaken to implement a quality improvement plan.

d.) The permittee shall maintain records of maintenance activities relating to ensuring the accuracy of any instrument used to measure, control, display, or record the parameters identified in paragraph (a) above.

The records shall be kept on site for the most recent five years, and be made available to DEP upon request.

004 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

This is a CAM related requirement:

The permittee shall record all instances of malfunctions, excursions, and/or exceedances relating to the ARMD facility or associated Pollution Control System. The records shall include a reason for the malfunction, excursion, and/or exceedance, actions taken to correct the situation, and all emissions during such time.

a. An excursion for the Venturi Scrubber Differential Pressure indicator identified in Condition #001 above shall be defined as a measurement of an average hourly differential pressure less than 48 in. w.c..

b. An excursion for the Venturi Scrubber Water Flow Rate indicator identified in Condition #001 above shall be defined as a measurement of an average hourly Venturi Scrubber water flow rate less than 80 gpm.

c. An excursion for the Spray Tower Water Flow Rate indicator identified in Condition #001 above shall be defined as a measurement of an average hourly water flow rate less than 15.0 gpm.

d. An excursion for the Wet Scrubber liquid pH indicator identified in Condition #001 above shall be defined as a measurement of an average hourly Wet Scrubber liquid pH less than the following:

Rocket Motor Family 1: 8.6
Rocket Motor Family 2: 8.8
Rocket Motor Family 3: 8.0
Rocket Motor Family 4: 8.2
Rocket Motor Family 5: 9.2

**SECTION E. Source Group Restrictions.**

e. An exceedance for the Rocket Motor Fired indicator identified in Condition #001 above shall be defined as firing a rocket motor in any day such that the HCl 12-month rolling emission limit identified under Source ID 422, Condition 003 is exceeded .

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

The following are CAM related requirements:

The permittee shall keep records and submit reports to DEP every six months from the effective date of this permit that contain, at a minimum, the following information:

- i.) All malfunctions, excursions or exceedances, corrective actions taken, dates, times, durations, and possible causes of the events.
- ii.) All monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable), their dates, times, durations, possible causes, and corrective actions taken.
- iii.) 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.

All reports must be certified by a responsible official consistent with § 70.5(d) of Part 70.

VI. WORK PRACTICE REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

These are CAM related requirements:

- 1.) The permittee shall perform the following annually:
 - a.) Calibrate any instrument used to measure, control, display, or record the differential pressure of the venturi scrubber.
 - b.) Calibrate any instrument used to measure, control, display, or record the water flow rate of the venturi scrubber.
 - c.) Calibrate any instrument used to measure, control, display, or record the water flow rate of the spray tower.
 - d.) Calibrate any instrument used to measure, control, display, or record the liquid pH of the wet scrubber.
- 2.) The permittee shall keep records of instrument calibration for the most recent 5 years.

007 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

These are CAM related requirements:

1.) For any instrument used to measure, control, display, or record the following, the permittee shall perform installation and operational checks in accordance with manufacturers specifications upon the initial installation of the instrument, upon the reinstallation of the instrument after calibration, or upon the replacement of the instrument:

- 1. Venturi Scrubber Differential Pressure
- 2. Venturi Scrubber Water Flow Rate
- 3. Spray Tower Water Flow Rate
- 4. Wet Scrubber System Liquid pH

**SECTION E. Source Group Restrictions.**

2.) The permittee shall keep records of instrument installation and operational checks for the most recent 5 years. The records shall indicate, at a minimum, the work performed, and the date.

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

These are CAM related requirements:

- a.) Proper maintenance - at all times, the owner or operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.
- b.) Continued operation - except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.
- c.) Response to excursions or exceedances - upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- d.) Documentation of need for improved monitoring - after approval of monitoring under this part, if the owner or operator identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the owner or operator shall promptly notify the permitting authority and, if necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

009 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

In the event of an excursion, and/or exceedance of the indicator ranges in Condition #004, or during a malfunction the permittee shall follow established shutdown procedures. The venting of the TTC to the PAS shall be prevented until the indicator operating parameters are brought back into compliance.

VII. ADDITIONAL REQUIREMENTS.**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Parts (a) through (e) are CAM related requirements

- a) The permittee shall develop and implement a quality improvement plan (QIP) pursuant to 40 CFR 64.8 if any of the following occurs:

**SECTION E. Source Group Restrictions.**

1. Six malfunctions, excursions, and/or exceedances of any individual parameter occur in a six-month period.
2. DEP determines after review of all reported information that the permittee has not responded acceptably to an excursion or exceedance.
- b) 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.
- c) In accordance with 40 CFR 64.8, the QIP shall include procedures for evaluating control performance or process problems. Based on the results of the evaluation procedures, the QIP shall be modified to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:
 1. Improved preventive maintenance practices.
 2. Process operation changes.
 3. Appropriate improvements to control methods.
 4. Other steps appropriate to correct control performance.
- d) Following implementation of a QIP, DEP will require reasonable revisions to the QIP if the plan has failed to either:
 1. Address the cause of the control device performance or process problem.
 2. Provide adequate procedures for correcting control device performance or process problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- e) 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 requirement that may apply under any federal, state, or local laws or any other applicable requirements under the Clean Air Act.

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 024

Group Description: 123.45 Alternate Opacity Limitation Requirements

Sources included in this group

ID	Name
422	AP ROCKET MOTOR DESTRUCTION FACILITY
C422	POLLUTION ABATEMENT SYSTEM (PAS)

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

001 [25 Pa. Code §123.45]

Alternative opacity limitations

§ 123.45. Alternative opacity limitations.

(a) Coverage. Coverage shall comply with the following:

(1) This section applies to a source:

(i) That is covered under § 123.41 (relating to limitations) and is also covered by an emission limitation in the form of a mass rate or a stack gas concentration or a fuel requirement.

(ii) That is not a fugitive air contaminant.

(iii) For which the mass rate or concentration can be determined:

(A) Using techniques specified in §§ 139.11—139.16.

(B) By any other method approved by the Department that is consistent with accepted air pollution testing practices and with obtaining accurate results that are representative of the conditions evaluated.

(2) Appendix D presents the applicability of this section for various emission limitation formats.

**SECTION E. Source Group Restrictions.**

(b) Procedure for application. The procedure for application shall comply with the following:

(1) The owner or operator of a source may request the Department to determine the opacity of emissions from the source during a demonstration of compliance with the applicable mass rate standard or stack gas concentration standard or fuel requirement. The request must be made in the form of a plan approval application under Chapter 127 Subchapter A (relating to general).

(2) The owner or operator shall provide for any test the Department deems necessary for determining compliance with the applicable emission limitation.

(3) The owner or operator shall provide sufficient notification to the Department so that the proposed test methods may be reviewed and approved by the Department. No test will be considered by the Department for the purpose of establishing an alternative opacity limitation unless the test methods have been first approved by the Department and a trained and qualified observer is present during the test.

(c) Eligibility. A source shall be eligible for an alternative opacity limitation (AOL) if the following conditions are met:

(1) The Department finds that the source is in compliance with this article except § 123.41. The Department will specify the method of demonstrating compliance.

(2) During the time the determination of compliance and AOL is conducted, the source fails to meet any applicable opacity limitation.

(3) The Department finds:

(i) That the source has not discontinued measures to minimize opacity of emissions, within the bounds of good engineering and good economic practice.

(ii) That the source and associated air pollution control equipment are operated and maintained in a manner to minimize the opacity of emissions, within the bounds of good engineering and good economic practice.

(4) The demonstration of compliance and the alternative opacity tests are performed under the conditions established by the Department.

(5) The Department determines that the AOL would not create or contribute to a public nuisance nor cause air pollution as defined under the act.

(d) Level of the alternative standard. The Department will set the AOL at the opacity levels measured during the performance test, even if the emissions were substantially less than those allowed under the regulations or permit conditions of the Department. The Department will enter the AOL as a condition of the operating permit of the source.

(e) Operating conditions. The Department will specify the operating conditions under which the determination of compliance and AOL will be made. The conditions must be based on technical knowledge of the process concerning normal operation and the effects of deviations from normal operations.

(f) Timing of test. The Department will specify the day, time of day and time of year for conducting the determination of compliance and AOL where these factors may substantially affect the determination of source opacity. Where the source exhibits high opacity only under certain specified conditions or during certain times, the Department may limit the applicability of the AOL to operation during those conditions or times. These conditions or times must be specified in the permit.

(g) Continuous monitoring. Continuous monitoring shall consist of the following:

(1) [N/A - CONTINUOUS OPACITY MONITORING EQUIPMENT IS NOT REQUIRED, THE FACILITY WILL USE TRAINED AND QUALIFIED OBSERVERS TO MEASURE THE OPACITY PURSUANT TO PARAGRAPH (g)(3)(i) BELOW.]

(2) [N/A - CONTINUOUS OPACITY MONITORING EQUIPMENT IS NOT REQUIRED, THE FACILITY WILL USE TRAINED AND

**SECTION E. Source Group Restrictions.**

QUALIFIED OBSERVERS TO MEASURE THE OPACITY PURSUANT TO PARAGRAPH (g)(3)(i) BELOW.]

(3) The Department may exempt a source from the requirement of paragraph (1) if the Department determines that the monitor would not give representative opacity readings for that source. The Department may require an exempted source to:

- (i) Use trained and qualified observers to measure the opacity.
- (ii) Monitor and report operating parameters of the process and of air pollution control equipment.
- (iii) Perform such activities on a specified schedule maintaining relevant records for inspection by the Department.

(h) Granting and quantifying the AOL. Granting and quantifying the AOL include the following:

(1) The Department will issue a permit establishing the AOL for the source or will deny the application for plan approval if the Department determines that the source is not eligible for, or entitled to, an AOL.

(2) The Department will use the procedure of §§ 139.17 and 139.18 (relating to general requirements; and calculation of alternative opacity limitations) to quantify the AOL.

(i) Special situations. Special situations include the following:

(1) For sources that make several products of varying opacity-producing capabilities, the Department may establish an overall AOL independent of the product. The Department may, however, establish a separate AOL for each product where the Department determines that the opacities from the products differ to such an extent that enforcement of the mass rate standard or stack gas concentration standard or fuel requirement may be hampered with only one AOL.

(2) For cases in which several processes vent to a single stack, the Department will set an AOL at the opacity level produced after each process is determined to be in compliance with the appropriate mass rate standard or stack gas concentration standard or fuel requirement.

(j) Revocation of AOL. Revocation of AOL shall be as follows:

(1) The Department may revoke a source's AOL if the Department determines that:

- (i) The source is not in compliance with this article.
- (ii) The source has discontinued measures to minimize opacity of emissions, within the bounds of good engineering and good economic practice.
- (iii) The plume opacity of the source creates or contributes to a public nuisance or causes air pollution as defined under the act.

(2) If the Department revokes a source's AOL, the opacity of the source will be regulated by § 123.41. The Department may reinstate a revoked AOL if it determines that the conditions which caused the revocation no longer exist.

(k) Maintenance of continuous monitor; reestablishment of AOL. [N/A - CONTINUOUS OPACITY MONITORING EQUIPMENT IS NOT REQUIRED]

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

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

This operating permit supersedes the previous operating permit for this facility.

The following boilers are included in Source ID 087 which are greater than 2.5 mmBtu/hr but less than 50 mmBtu/hr:

Building	Quantity	Size(mmBtu/hr)	Fuel
2	2	3.2 each	Natural Gas
370	3	3.0 each	Natural Gas
3382	1	3.4	Propane
349	1	6.3	Natural Gas
350	2	3.5	Natural Gas

The following boilers are included in Source ID 086 which are equal to or less than 2.5 mmBtu/hr:

Building	Quantity	Size(mmBtu/hr)	Fuel
10	2	0.9	Natural Gas
11	1	0.8	Natural Gas
47	1	0.2	#2 Fuel Oil
234	1	1.2	Natural Gas
320	1	2.1	Natural Gas
351	1	0.2	Natural Gas
360	1	0.3	Propane
376	2	1.3	Natural Gas
431	1	0.7	Natural Gas
505	1	0.3	#2 Fuel Oil
521	1	0.9	#2 Fuel Oil
2260	1	0.6	Natural Gas
2383	1	1.3	Natural Gas
2755	1	0.5	Propane
3238	1	0.4	Natural Gas
3253	1	0.3	Natural Gas
3260	2	0.6	Natural Gas
3261	1	0.6	Natural Gas
3315	1	0.2	Natural Gas
3626	1	0.8	Propane
3700	1	0.5	Propane
3810	1	1.4	Propane
3810	1	0.6	Propane
3812	1	0.2	Propane
5249	1	1.0	Propane
5250	2	0.3	Propane
5321	1	0.6	Propane
5331	1	0.5	Propane
5800	1	1.1	Natural Gas
5808	1	0.1	Natural Gas
8001	1	0.6	Propane

**SECTION H. Miscellaneous.**

The following propane / natural gas fired heaters are included in Source ID 088:

Building	Quantity	Size(mmBtu/hr)	Fuel
11	1	0.3	Natural Gas
47	2	0.5	Propane
47-1	1	0.1	Propane
51	1	0.4	Natural Gas
57	1	6.0	Natural Gas
320	17	0.1	Natural Gas
320	13	0.1	Natural Gas
320	1	1.6	Natural Gas
320	1	4.6	Natural Gas
321	1	0.1	Natural Gas
321	1	0.2	Propane
348	2	0.1	Natural Gas
348	2	0.2	Natural Gas
349	1	0.1	Natural Gas
349	1	0.1	Natural Gas
349	2	0.3	Natural Gas
350	5	0.1	Natural Gas
350	4	0.1	Natural Gas
350	4	0.1	Natural Gas
350	2	0.1	Natural Gas
350	55	0.1	Natural Gas
350	1	0.1	Natural Gas
350	54	0.1	Natural Gas
350	2	0.2	Natural Gas
350	2	0.3	Natural Gas
350	1	0.1	Natural Gas
350	1	0.2	Natural Gas
350	1	0.4	Natural Gas
350	1	0.6	Natural Gas
350	1	1.6	Natural Gas
350	1	1.6	Natural Gas
350	2	2.6	Natural Gas
350	1	2.9	Natural Gas
350	1	5.4	Natural Gas
350	1	6.2	Natural Gas
350-Annex	6	0.2	Natural Gas
350-Annex	1	0.1	Natural Gas
350-Annex	1	0.2	Natural Gas
350-Annex	1	3.0	Natural Gas
350-Annex	1	6.0	Natural Gas
351	6	0.1	Natural Gas
351	1	2.7	Natural Gas
S-356	4	0.2	Natural Gas
367	1	0.4	Propane
370	1	0.1	Natural Gas
370	1	0.1	Natural Gas
370	41	0.1	Natural Gas
370	1	1.3	Natural Gas
370	1	2.9	Natural Gas
370	1	4.8	Natural Gas
370	1	6.2	Natural Gas
370	1	0.3	Natural Gas
377	3	0.1	Natural Gas
377	1	1.3	Natural Gas
389	5	0.1	Natural Gas
391	3	0.2	Natural Gas

**SECTION H. Miscellaneous.**

397	8	0.1	Natural Gas
2264	2	0.4	Natural Gas
2265	2	0.1	Natural Gas
2270	1	0.1	Natural Gas
2271	2	0.1	Natural Gas
2293	1	0.1	Natural Gas
2363	4	0.6	Natural Gas
2380	1	0.1	Propane
2716	1	0.1	Propane
3233	8	0.2	Propane
3235	3	0.1	Propane
3239	7	0.2	Natural Gas
S-3290	4	0.2	Propane
S-3290	1	0.1	Propane
S-3290 East	1	0.1	Propane
3297	3	0.2	Propane
3298	1	0.1	Propane
3382	2	0.2	Propane
3382	1	0.1	Propane
3382	1	5.2	Propane
3821	1	0.1	Propane
4756	1	0.2	Propane
4756	1	0.2	Propane
4756	1	0.3	Propane
5328	3	0.1	Propane
5328	1	0.1	Propane
5807	1	1.3	Propane

Source ID 146 – Emergency ICE consists of the following sources:

40 CFR Part 63, Subpart ZZZZ Affected Sources

The following are existing emergency engines at Letterkenny that are subject to Subpart ZZZZ requirements:

Engine /Bldg No.	Model #	HP	Date Commenced Construction	Date Engine Manufactured
Cummins Onan/521	125DGEA	208	1994	1994
Cummins/527	100DGBD	99	2014	1993
Cummins Onan/367	86DGDA	135	2007	1994
Bldg 530	-	166	2005	2004
Cummins Onan/370	86DGDA	99	2004	2004
Cummins Onan/322	DGCB-5635675	99	2003	2003
Cummins Onan/5411 Voelz Gate	DKAF-3382407	45	2009	1993
Bldg 5328	-	67	2001	2001

**SECTION H. Miscellaneous.****Engines Conditionally Exempt From Subpart ZZZZ Except for Initial Notification**

Pursuant to § 63.6590(b)(1)(i), the following are new 4Z engines at Letterkenny that are conditionally only subject to initial notification requirements of § 63.6645(f). (These engines are also Subpart IIII affected sources):

Engine /Bldg No.	Model #	HP	Date Commenced Construction	Date Engine Manufactured
Kohler/3 North-Eng3	2000REOZDB	2,937	2009	2007
Kohler/3 North-Eng4	2000REOZDB	2,937	2009	2007
Cummins Onan / 360	DFEK-1067039	755	2009	2009
Kohler/3260 Reserve	KD900	1367	2021	2020

The above emergency stationary RICE are not subject to 40 CFR Part 63, Subpart ZZZZ except for the initial notification requirements of § 63.6645(f) as long as the stationary RICE meets the definition of an emergency stationary RICE in § 63.6675, which includes operating according to the provisions specified in § 63.6640(f). The emergency stationary RICE shall not operate or be contractually obligated to be available for the purposes specified in § 63.6640(f)(2)(ii) and (iii).

Engines Conditionally Exempt From Subpart ZZZZ Including Initial Notification

Pursuant to § 63.6590(b)(3)(iii), the following existing 4Z engines at Letterkenny are conditionally exempt from meeting the requirements of 4Z and of subpart A of Part 63, including initial notification requirements:

Engine /Bldg No.	Model #	HP	Date Commenced Construction	Date Engine Manufactured
Detroit Diesel/3 South Eng 1	1200DS60	1,750	1994	1994
Detroit Diesel/3 South Eng 2	1200DS60	1,750	1994	1994
CAT Diesel/10-Eng1	3804	538	1985	1984
CAT Diesel/10-Eng2	3804	538	1985	1984

The above emergency stationary RICE are not subject to 40 CFR Part 63, Subpart ZZZZ as long as the stationary RICE meets the definition of an emergency stationary RICE in § 63.6675, which includes operating according to the provisions specified in § 63.6640(f). The emergency stationary RICE shall not operate or be contractually obligated to be available for the purposes specified in § 63.6640(f)(2)(ii) and (iii).

Subpart ZZZZ Sources that Meet 4Z by Meeting Subpart IIII

Pursuant to § 63.6590(c)(6) & (7), the following are new emergency CI engines at Letterkenny that are meeting the requirements of Part 63 (4Z) by meeting the requirements of Subpart IIII. No further requirements apply for such engines under Part 63. (These engines are Subpart IIII affected sources):

Engine /Bldg No.	Model #	HP	Date Commenced Construction	Date Engine Manufactured
Cummins Onan/Radio Tower Bldg.	DKCA-7652089	45	2010	2009
Cummins/527	100DGBD	99	2014	2007
Kohler/385 CA Ave. Gate	100RE02J0	150	2008	2007
Cummins Onan/367	86DGDA	135	2007	2007
Bldg 2260	-	99	2016	2016

**SECTION H. Miscellaneous.**

Bldg 3253	-	145	2016	2016
Bldg 3322 Fuel Station	-	99	2013	2013
Bldg 5333 Fire Pump	4045TF290H	37	2022	2021
Cummins/Bldg. 3311	DSGAC	324	2017	2016
Cummins/Bldg. 4341	C80D6C	176	2017	2016
Bldg 370 West Side Fire Pump	4045HFC28A	110	2020	2020

40 CFR Part 60, Subpart IIII Affected Sources

The following emergency engines are subject to Subpart IIII:

Engine /Bldg No.	Model #	HP	Date Commenced Construction	Date Engine Manufactured
Kohler/3 North-Eng3	2000REOZDB	2,937	2009	2007
Kohler/3 North-Eng4	2000REOZDB	2,937	2009	2007
Cummins Onan/360	DFEK-1067039	755	2009	2009
Cummins Onan/Radio Tower Bldg.	DKCA-7652089	45	2010	2009
Kohler/385 CA Ave. Gate	100RE02J0	150	2008	2007
Bldg 2260	-	99	2016	2016
Bldg 3253	-	145	2016	2016
Bldg 3322 Fuel Station	-	99	2013	2013
Bldg 5333 Fire Pump	4045TF290H	37	2022	2021
Kohler/3260 Reserves	KD900	1367	2021	2021
Cummins/Bldg. 3311	DSGAC	324	2017	2016
Cummins/Bldg. 4341	C80D6C	176	2017	2016
Bldg 370 West Side Fire Pump	4045HFC28A	110	2020	2020

Source ID 419, Cold Cleaning Machines consists of the following sources:

- (1) Unit in Bldg. #37
- (1) Unit in Bldg. #57
- (1) Unit in Bldg. #350
- (1) Unit in Bldg. #370

The following miscellaneous sources do not require any work practice standards, testing, monitoring, reporting and recordkeeping requirements:

Welding Operations

- (1) Welding Shop in Bldg. #350
- (1) Welding Shop in Bldg #370

Abrasive Blasting and Sanding Booths (All vent indoors)

- Abrasive blaster booth #R6185, #S3239, #R4982, and #S0212 in Bldg. #37
- Abrasive blaster booths #S0233, #R6094, #S0770, #R5925, and #U2440 in Bldg. #57
- Abrasive blaster booth #D4833, #D4834, #R1005, #V0708, #U8108, and #U8136 in Bldg. #350
- Abrasive blaster booths #S1944, #S2455, #V1517, #S0203, and #1162 in Bldg. #370
- Abrasive blaster booth in Bldg. 3382 (LEMC)
- Sanding booth #U8169A-B in Bldg. #37
- Sanding booth #U8168A-C in Bldg. #57
- Sanding booths #S2659, #S2661, and #U8167A-D in Bldg. #320
- Sanding booths #S1848 and #S1849 in Bldg. #350
- Sanding room in Bldg #370

**SECTION H. Miscellaneous.**

Additional Miscellaneous Sources

Pesticide and Herbicide Applications used throughout the facility
Propane Storage Tanks at various locations throughout the facility
Miscellaneous Chemical Usage
Groundwater Treatment Operations
Diesel Fuel Storage
No.2 Fuel Oil Storage
SCS Precisioncoat conformal spray coating system

Combustion Unit / Combustion Source Listing Referenced in Group 020 – VOC PAL Requirements

031 Johnson Boiler Bldg 1
032 Johnson Boiler Bldg 1
036 Johnson Boiler Bldg 3
037 Johnson Boiler Bldg 3
041 Smith Boiler Bldg 12
042 Smith Boiler Bldg 12
046A C-B Boiler Bldg 37SW
051 Smith Boiler Bldg 51
052 York-Shipley Boiler Bldg 57
053 York-Shipley Boiler Bldg 57
083 Smith Boiler Bldg 5316
086 Boiler 2.5 MMBtu/Hr. or Less
087 Boilers >2.5 and <50 MMBtu/Hr
088 Propane/Natural Gas Heaters

Coating Booth Source Listing Referenced in Group 020 – VOC PAL Requirements

102B Building 57, Paint Booth
103B Building 57, Paint Booth
106 Bldg #350, Paint Booth #59
107 Bldg #350, Paint Booth #60
108 Bldg #350, Paint Booth #61
109A Bldg #350, Paint Booth #58
111 Bldg #320, Paint Booth #3886
112 Bldg #320, Paint Booth #3880
113 Bldg #320, Paint Booth #3882
114 Bldg #320, Paint Booth #3885
121 Bldg #320, Paint Booth #3881
122 Bldg #320, Paint Booth #4378
123 Bldg #370, Paint Booth #200
125 Bldg #370, Paint Booth #2813
126 Bldg #370, Paint Booth #4298
128 Bldg #37, Paint Booth #4226
131 Bldg #37, Paint Booth #6744
132 Bldg #320, Paint Booth #3884
137 Bldg #37, Paint Booth #8052
140 Ammo paint booths
142 Bldg #320, Paint Booth #3883
200 Bldg #370, Paint Booth #4757
202 Bldg #1N, Paint Booth #S3599
203 Bldg #5807, Paint Booth #3155
204 Building #350-1, Paint Booth
205 Bldg. 320 IR Drying/Coating Booth
300 Painting outside booths

**SECTION H. Miscellaneous.**

This permit is Revision No. 2 of the facility's Title V Permit issued on August 9, 2023. This revision completes the project authorized by Plan Approval 28-05002Q.



***** End of Report *****
